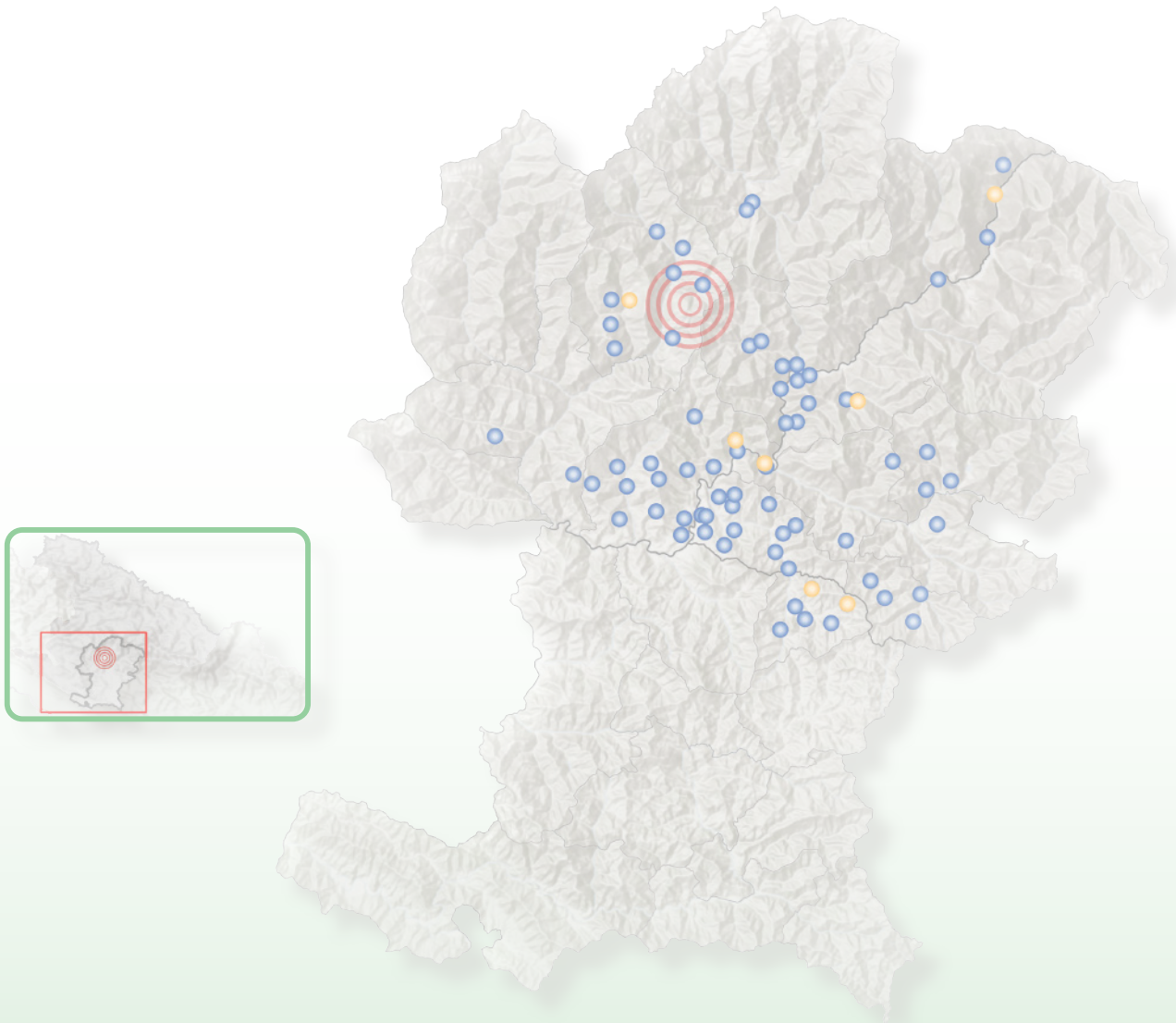




HeRAMS Nepal

Post-Jarjarkot earthquake report
April 2024



General clinical and trauma care services

A comprehensive mapping of availability of essential services and barriers to their provision



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Post-Jarjarkot earthquake report

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General clinical and trauma care services

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Government of Nepal
Ministry of Health and Population



HeRAMS
Health Resources and services
Availability Monitoring system



World Health
Organization



USAID
FROM THE AMERICAN PEOPLE



ACRONYMS

BHSC Basic Health Service Center

HeRAMS Health Resources and Services Availability Monitoring System

HP Health Post

HSDU Health Service Delivery Unit

PHC Primary Health Center

UHC Urban Health Centre

WHO World Health Organization



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DISCLAIMER

Disruptions to health systems can impede provision of and access to essential health services. Communities' vulnerability to increased morbidity and mortality substantially increases when a lack of reliable information prevents sound decision-making, especially in rapidly changing environments that require continued assessment. The Health Resources and Services Availability Monitoring System (HeRAMS) aims to provide decision-makers and health stakeholders at large with vital and up-to-date information on the availability of essential health resources and services, help them identify gaps and determine priorities for intervention.

HeRAMS draws on the wealth of experience and knowledge gathered by the World Health Organization (WHO) and health sector actors, including nongovernmental organizations, donors, academic institutions and other technical bodies. It builds on a collaborative approach involving health service providers at large and integrating what is methodologically sound and feasible in highly constrained, low-resourced and rapidly changing environments such as humanitarian emergencies. Rapidly deployable and scalable to support emergency response and fragile states, HeRAMS can also be expanded to - or directly implemented as - an essential component of routine health information systems. Its modularity and scalability make it an essential component of emergency preparedness and response, health systems strengthening, universal health coverage and the humanitarian development nexus.

HeRAMS has been deployed in Nepal since January 2024, allowing for the assessment of 80 health service delivery units (HSDUs), of which 5 were temporary structures, affected by the recent earthquake, which struck Jajarkot and neighboring districts on 3 November 2023. This analysis presented here is based on data collected up to 31 January for HSDUs in Jajarkot district and 8 April for HSDUs in Rukum West and Salyan districts.

It is important to note that the deployment of HeRAMS is ongoing, including data verification and validation. Hence, this analysis is not final and was produced solely for the purpose of informing operations. Furthermore, the analysis was restricted to HSDUs directly affected by the earthquake. Thus, this report does not provide an exhaustive analysis of the operational status and the availability of health services and resources in the affected districts.

This is the second report of the **HeRAMS Nepal post-Jarjarkot earthquake report April 2024** series, focusing on the availability of general clinical and trauma care services. It is a continuation of the first report on the operational status of the health system¹ and should always be interpreted in conjunction with results presented in the first report. Additional reports are available covering essential child health and nutrition services², communicable disease services³, sexual and reproductive health services⁴, and non-communicable disease and mental health services⁵.

Caution must be taken when interpreting the results presented in this report. Differences between information products published by WHO, national public health authorities, and other sources using different inclusion criteria and different data cut-off times are to be expected. While steps are taken to ensure accuracy and reliability, all data are subject to continuous verification and change.

For additional information, please see <https://www.who.int/initiatives/herams> or contact herams@who.int

¹ HeRAMS Nepal post-Jarjarkot earthquake report April 2024 - operational status of the health system: a comprehensive mapping of the operational status of health service delivery units, <https://www.who.int/publications/m/item/herams-nepal-post-jarjarkot-earthquake-report-2024-04-operational-status-of-the-health-system>.

² HeRAMS Nepal post-Jarjarkot earthquake report April 2024 - Child health and nutrition services: A comprehensive mapping of availability of essential services barriers to their provision, <https://www.who.int/publications/m/item/herams-nepal-post-jarjarkot-earthquake-report-2024-04-child-health-and-nutrition-services>.

³ HeRAMS Nepal post-Jarjarkot earthquake report April 2024 - Communicable disease services: A comprehensive mapping of availability of essential services and barriers to their provision, <https://www.who.int/publications/m/item/herams-nepal-post-jarjarkot-earthquake-report-2024-04-communicable-disease-services>.

⁴ HeRAMS Nepal post-Jarjarkot earthquake report April 2024 - Sexual and reproductive health services: A comprehensive mapping of availability of essential services and barriers to their provision, <https://www.who.int/publications/m/item/herams-nepal-post-jarjarkot-earthquake-report-2024-04-sexual-and-reproductive-health-services>.

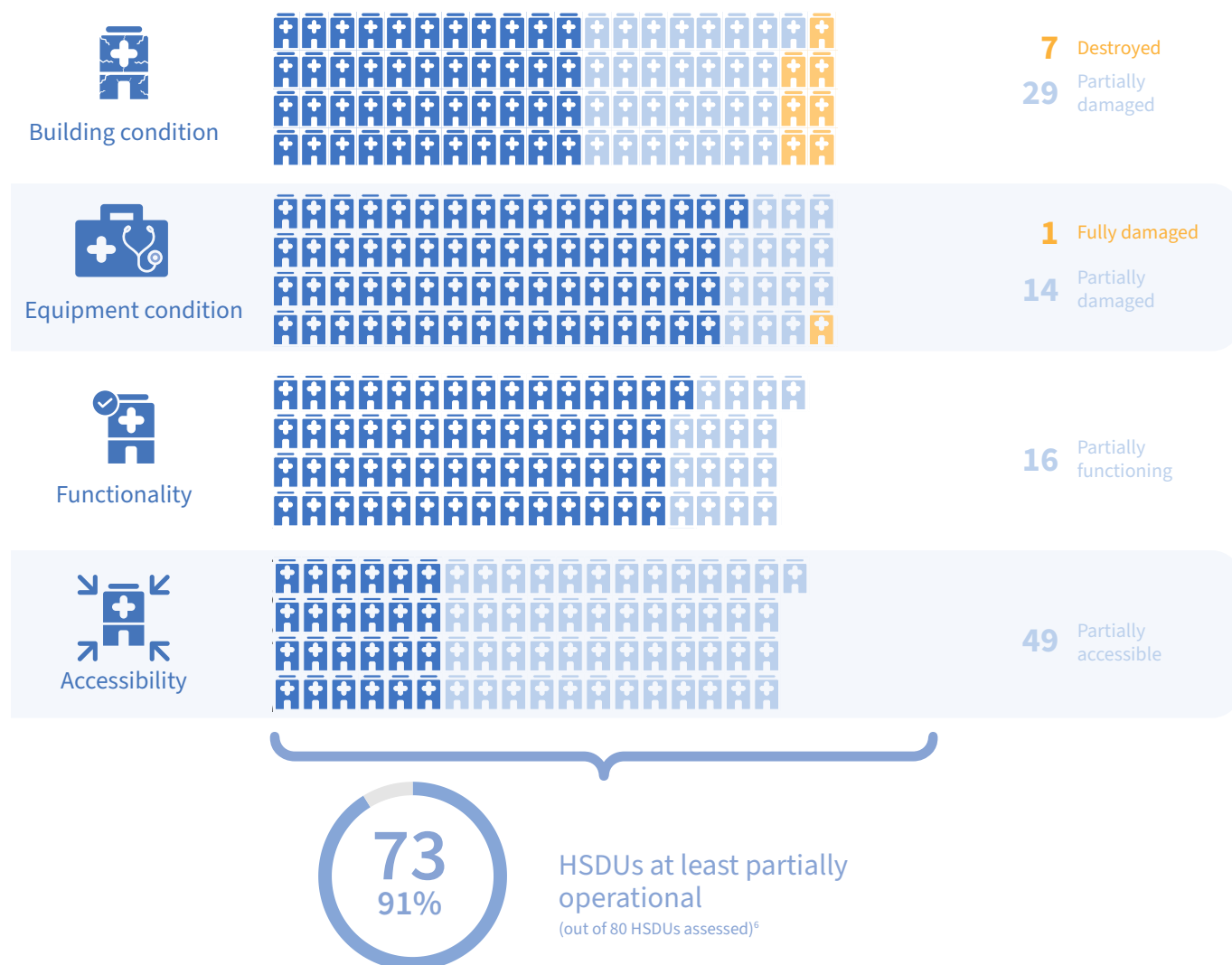
⁵ HeRAMS Nepal post-Jarjarkot earthquake report April 2024 - Noncommunicable disease and mental health services: A comprehensive mapping of availability of essential services and barriers to their provision. <https://www.who.int/publications/m/item/herams-nepal-post-jarjarkot-earthquake-report-2024-04-ncd-and-mental-health-services>.



OVERVIEW OF HSDUs EVALUATED

Data collection summary

80 HSDUs assessed*



* Five of the assessed facilities were temporary structures.

⁶ HSDUs (Health Service Delivery Units) reported as destroyed, non-functioning, or inaccessible are deemed unable to provide any health services, hence categorized as non-operational. Consequently, reporting ends upon confirmation of an HSDU's non-operational status.



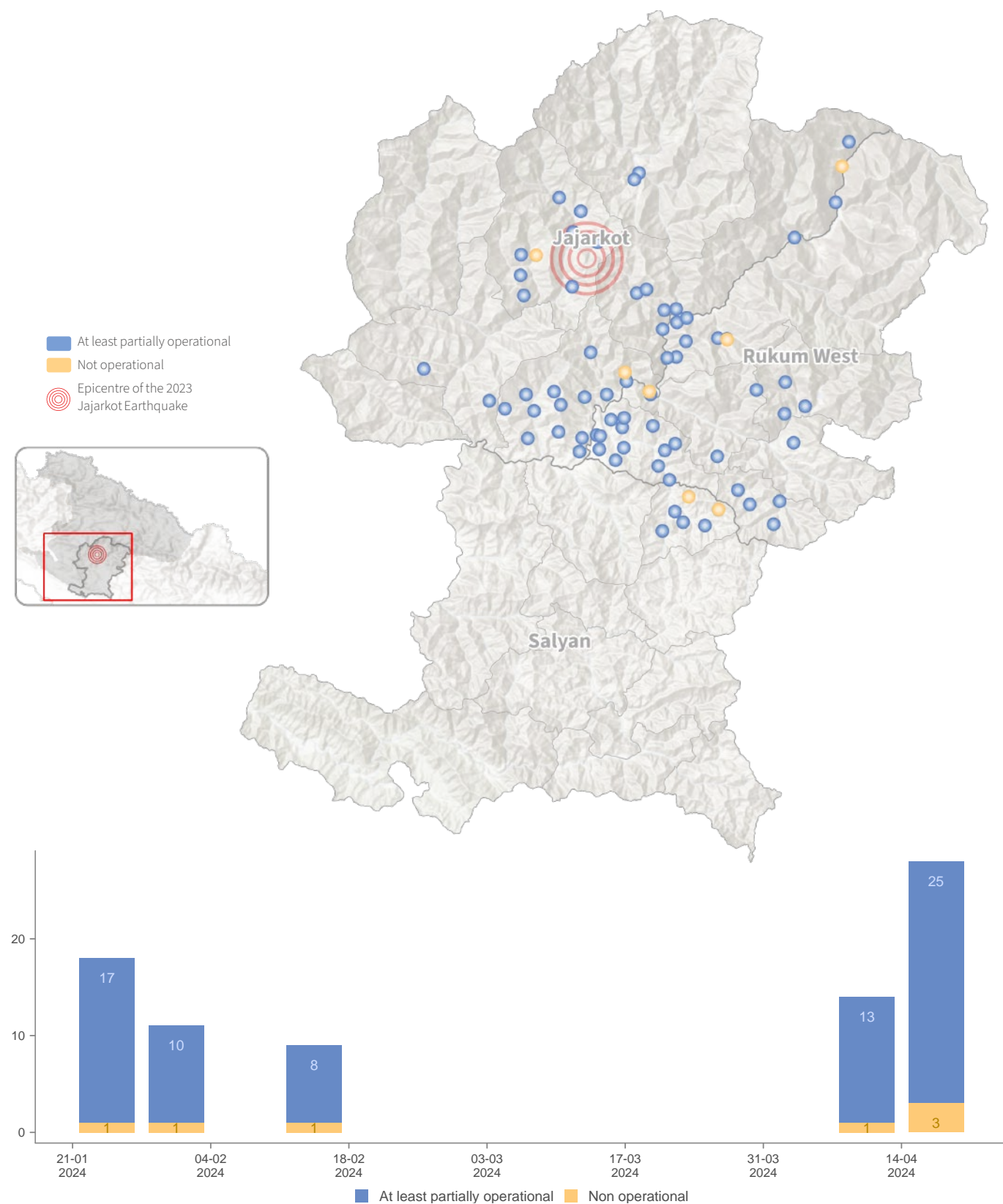
Reporting frequency and operational status by municipality

		Basic Health Service Centre		Community Health Unit		District Hospital		Health Post		Municipal/ Local level Hospital		Primary Healthcare Center		Urban Health Centre		Outreach Clinic		Total	
		0	N/O	0	N/O	0	N/O	0	N/O	0	N/O	0	N/O	0	N/O	0	N/O	0	N/O
JAJARKOT	BAREKOT RURAL	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	3	-
	BHERI	7	-	-	-	1	-	5	-	-	-	-	-	-	-	-	1	13	1
	CHHEDAGAD	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2	-
	KUSHE RURAL	4	-	-	-	-	-	5	1	-	-	-	-	-	-	-	-	9	1
	NALAGAD	1	-	1	1	-	-	5	-	1	-	-	-	-	-	-	-	8	1
	TOTAL	13	-	1	1	1	-	17	1	1	-	2	-	-	-	-	1	35	3
RUKUM WEST	AATHBISKOT	2	1	1	-	-	-	2	-	-	-	-	-	3	-	-	-	8	1
	BANPHIKOT RURAL	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	3	-
	CHAURJAHARI	8	-	-	-	-	-	3	-	1	-	1	-	-	-	-	-	13	-
	MUSIKOT	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
	SANI BHERI RURAL	-	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-	3	1
	TRIVENI RURAL	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	4	-
	TOTAL	10	1	1	-	1	-	15	1	1	-	1	-	3	-	-	-	32	2
SALYAN	DARMA RURAL	2	-	1	1	-	-	3	1	-	-	-	-	-	-	-	-	6	2
	TOTAL	2	-	1	1	-	-	3	1	-	-	-	-	-	-	-	-	6	2
GRAND TOTAL		25	1	3	2	2	-	35	3	2	-	3	-	3	-	-	1	73	7

0 = At least partially operational - N/O = Not operational



Geographic distribution of HSDUs



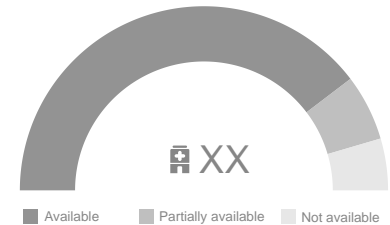
* This analysis is based on the assessment and data collection between 20 – 30 Jan 2024 in Jajarkot district and between 1 - 8 April 2024 in Rukum West and Salyan districts.



INTERPRETATION GUIDE

Service status

Arc charts provide an overview of the overall availability of a health service. The total number of HSDUs included in the analysis of a service is shown inside the arc chart. It should be noted that analysis of individual services was limited to operational HSDUs ([see page 4 for details](#)). There are two numbers separated by a bar (“|”) inside the arc of the chart: on the left is the percentage of HSDUs, and on the right of the bar is the number falling into that category.



For further insights, donut charts break down service availability by HSDU type or district. To improve readability, labels indicating the availability level for each category are provided either beside or below the chart. Additionally, to highlight the percentage of HSDUs where an service is available up to standard, the number may also be prominently placed inside the chart. Information on the total number of HSDUs included is clearly indicated above or below the respective donut.

Column charts offer a breakdown of availability by municipality. By default, these charts exclude HSDUs where an service was not applicable or the HSDU did not report on it. The total number of HSDUs included in each municipality is indicated to the right of the bar.



In contrast to charts, and to highlight areas not reporting, as well as the impact of non-operational HSDUs, **maps** depict all HSDUs targeted with HeRAMS. Each dot corresponds to an HSDU, with the colour indicating the availability level.

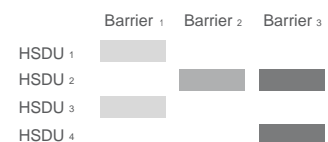
Barriers

To gain a more comprehensive understanding of the challenges faced by HSDUs, whenever an service was not or only partially available, main barriers impeding availability were recoded. Similarly, questions on building and equipment conditions, functionality and accessibility gather information on the underlying causes for non or partially operating HSDUs.



Each **donut chart** indicates the percentage of HSDUs having reported a specific barrier. The total number of HSDUs reporting at least one barrier is shown below the chart header.

Heat maps indicate the barriers that each HSDU listed face with a colored rectangle. When the rectangle is grey, the HSDU does not face this barrier.

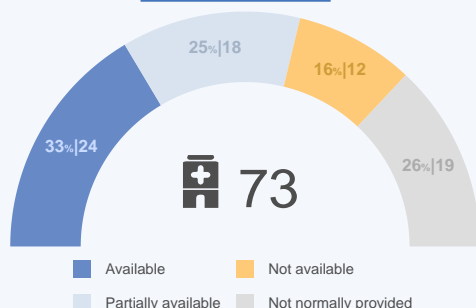


Important: The denominator for barrier charts excludes HSDUs where the service is fully available or not normally provided. It should further be noted that HSDUs can report up to three barriers for each service. Thus, the sum of all barriers may exceed 100%.



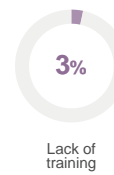
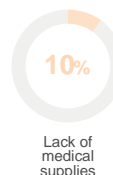
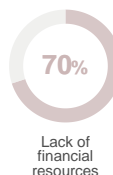
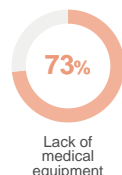
REQUEST FOR AMBULANCE SERVICES BY THE PATIENT

Service availability ⁷

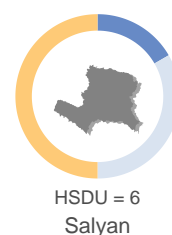
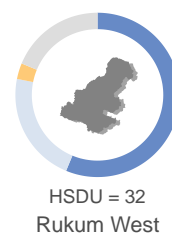
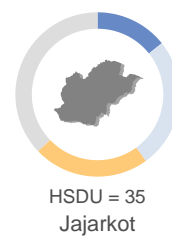
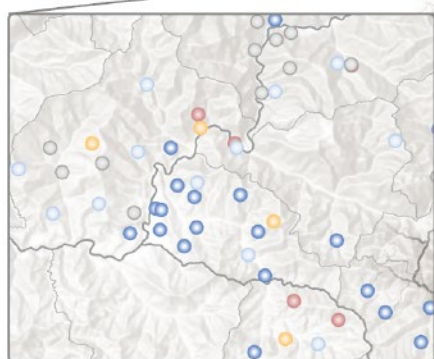


Main barriers impeding service delivery

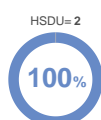
HSDU = 30



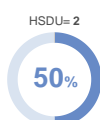
Service availability by district



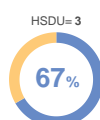
Service availability by HSDU type



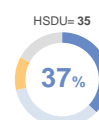
District Hospital



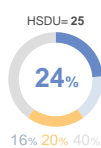
Municipal/Local level Hospital



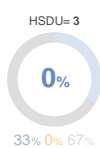
Primary Healthcare Center



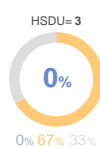
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

⁷ User-activated dispatch of basic ambulance services from district-level staging center (e.g., ambulance pool).

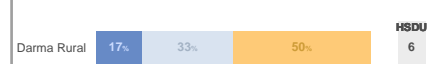
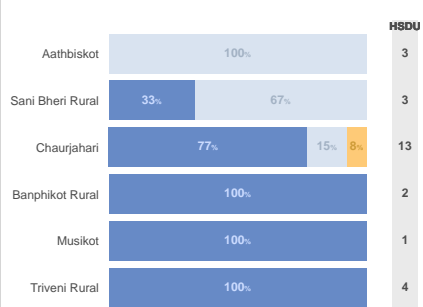
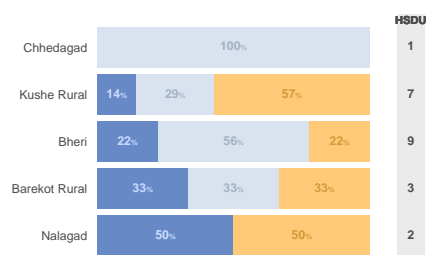


Jajarkot

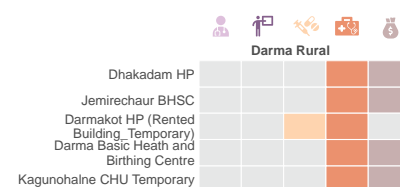
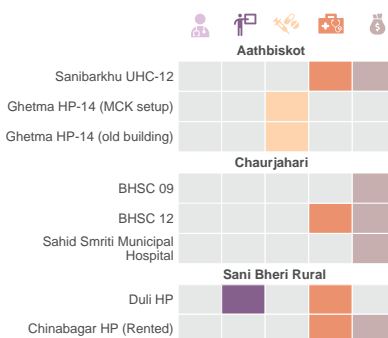
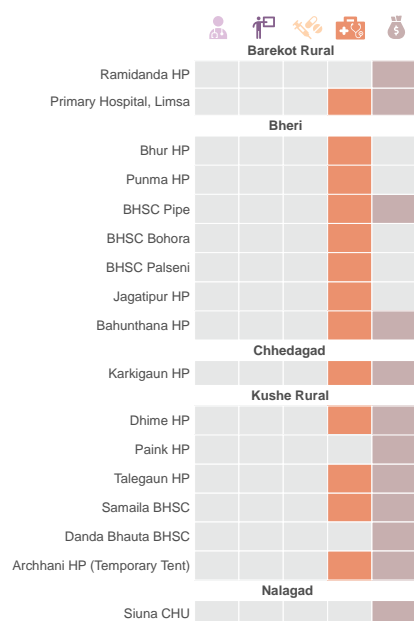
Rukum West

Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU



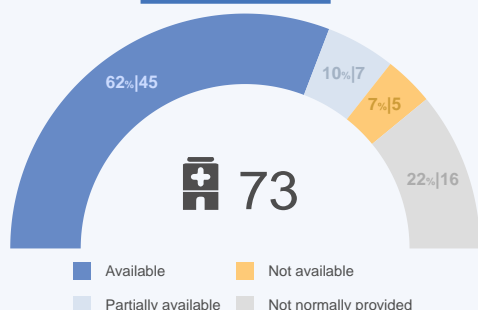
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.

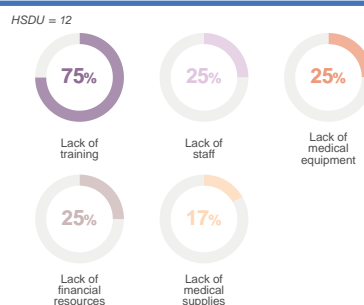


RECOGNITION OF DANGER SIGNS

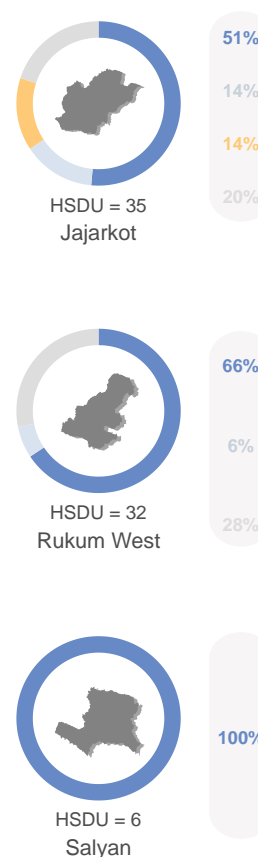
Service availability⁸



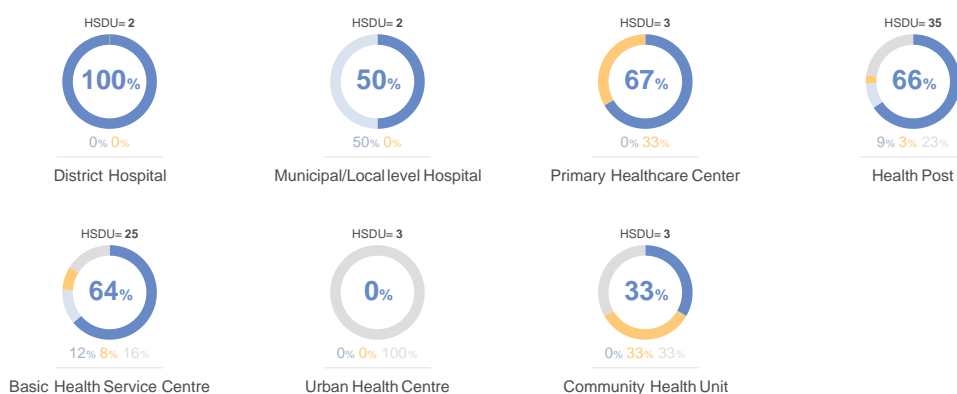
Main barriers impeding service delivery



Service availability by district



Service availability by HSDU type



⁸ Recognition of danger signs in neonates, children and adults, including early recognition of signs of serious infection, with timely referral to higher-level care.

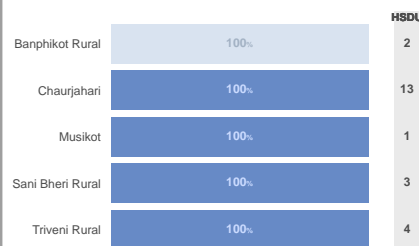
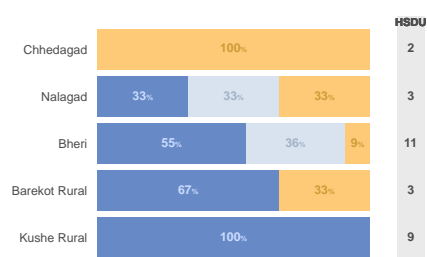


Jajarkot

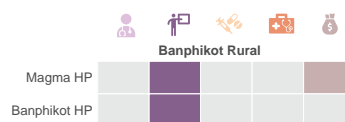
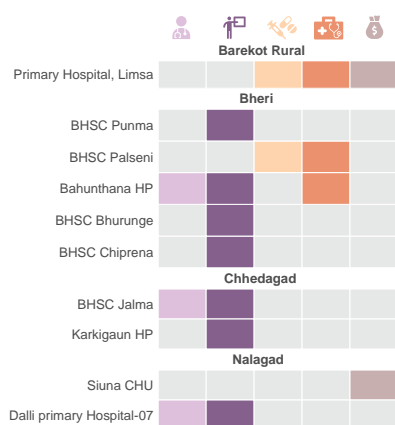
Rukum West

Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU



No barriers reported

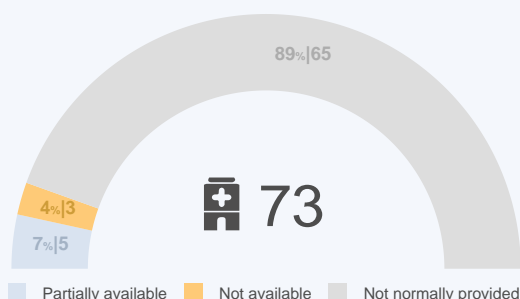
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- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.

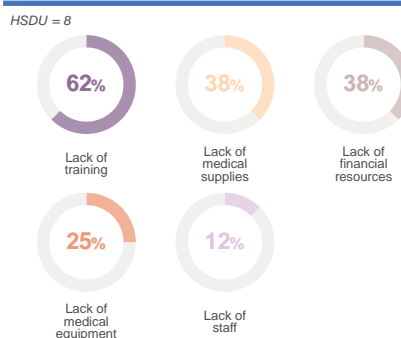


ACUITY-BASED FORMAL TRIAGE

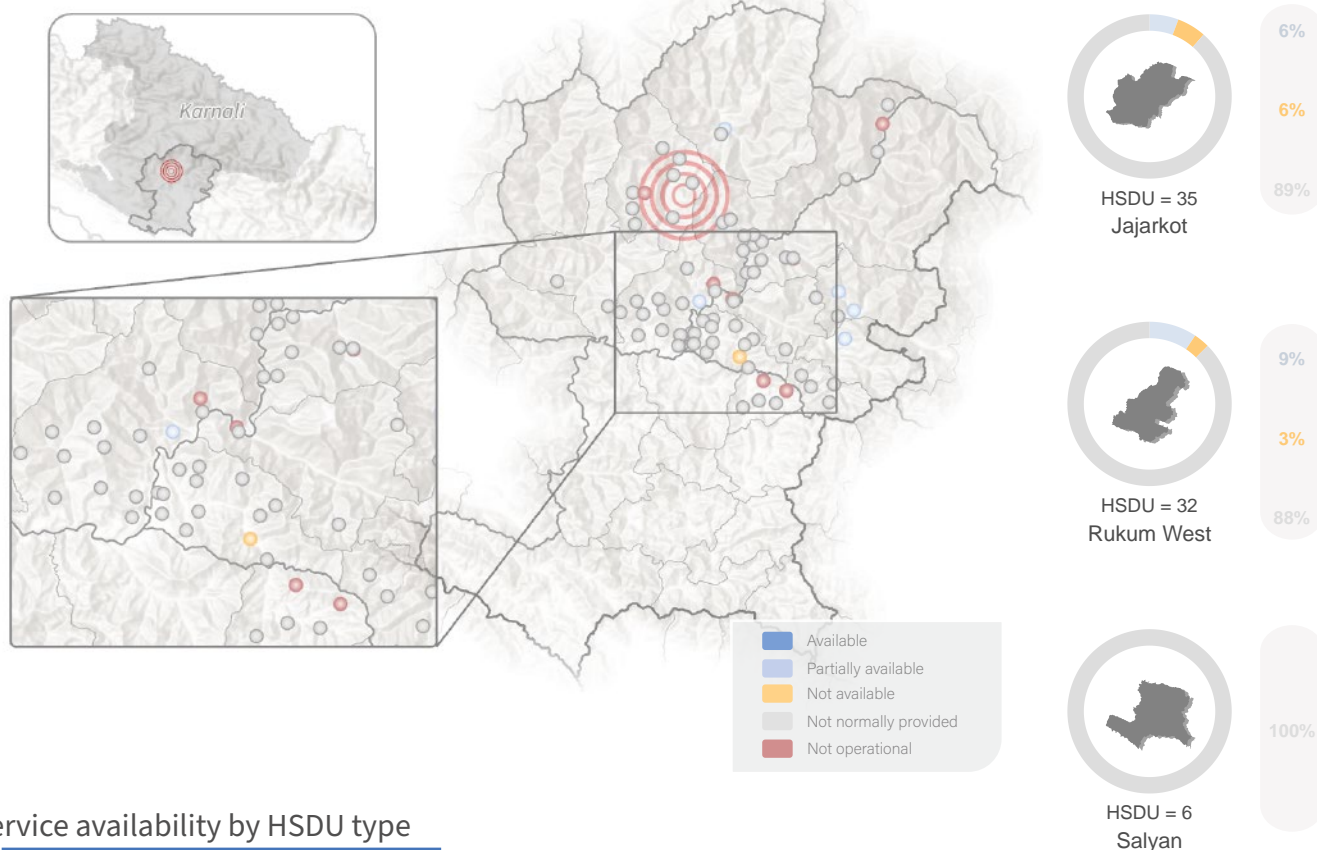
Service availability⁹



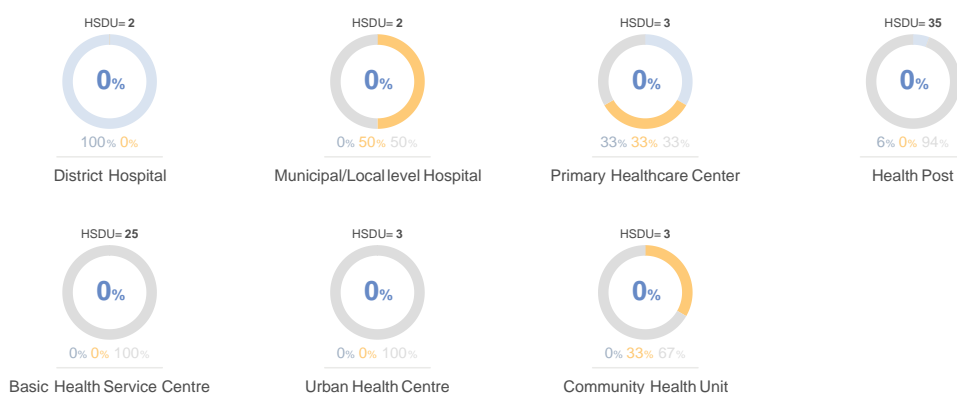
Main barriers impeding service delivery



Service availability by district



Service availability by HSDU type



⁹ Acuity-based formal triage of children and adults at first entry to the HSDU (with a validated instrument such as WHO/ICRC Interagency Triage Tool).



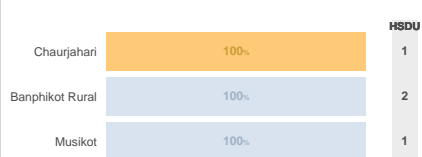
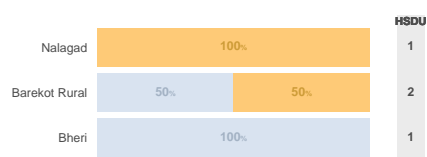
Jajarkot

Rukum West

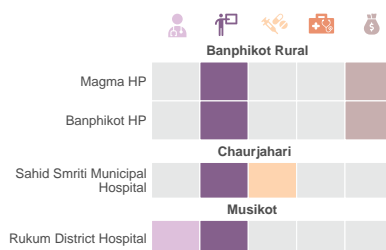
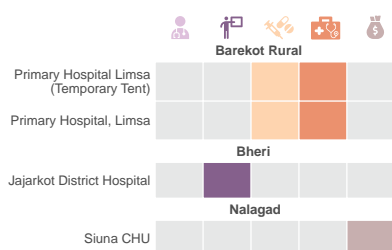
Salyan

Service availability by municipality*

No reporting HSDU



Main barriers impeding service delivery by municipality and HSDU



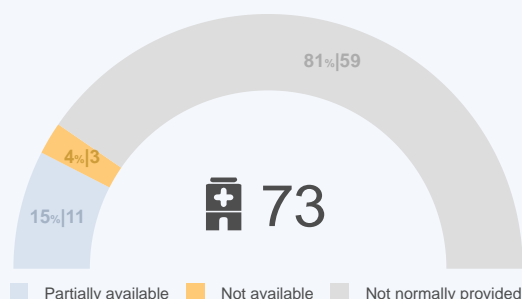
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



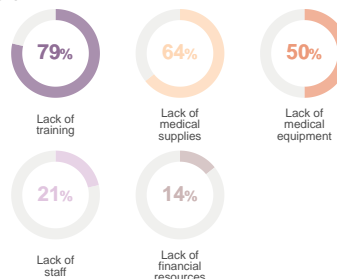
WHO BASIC EMERGENCY CARE BY PREHOSPITAL PROVIDER

Service availability¹⁰

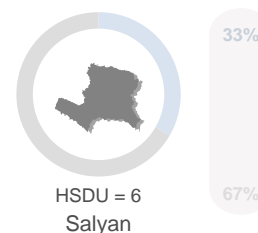
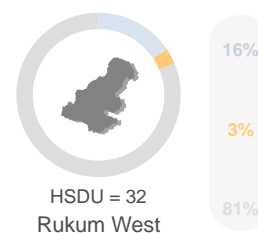
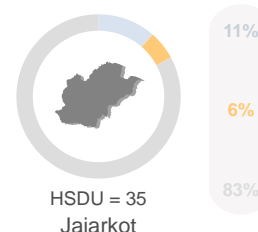
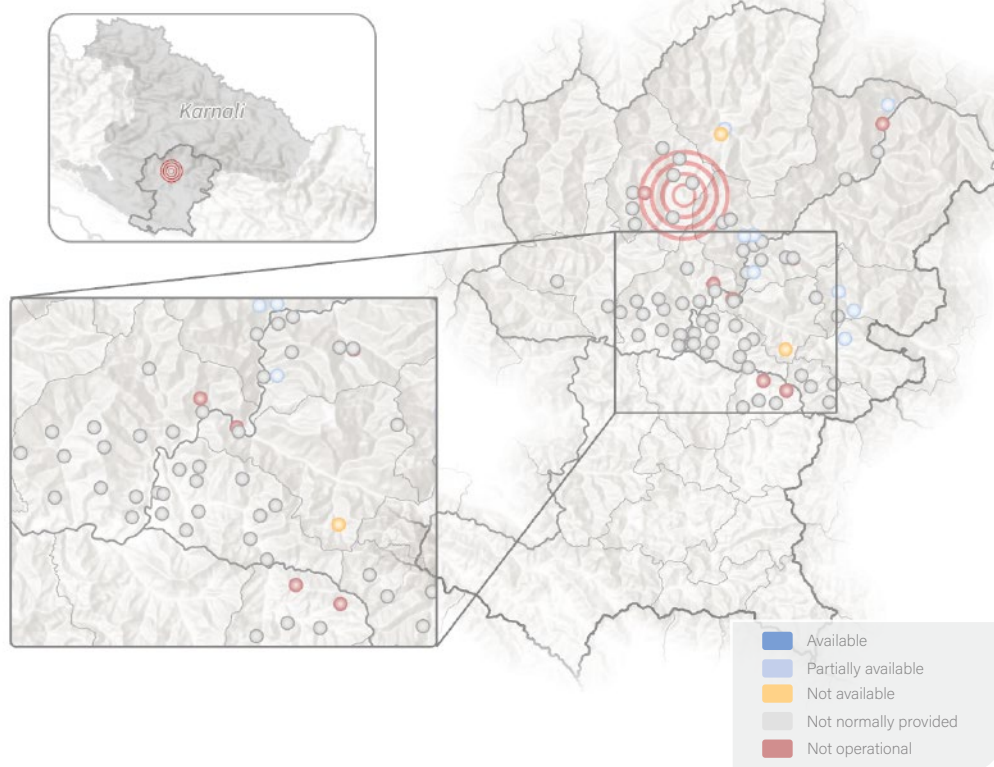


Main barriers impeding service delivery

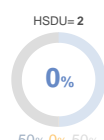
HSDU = 14



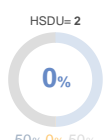
Service availability by district



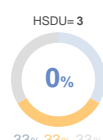
Service availability by HSDU type



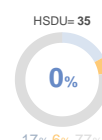
District Hospital



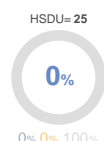
Municipal/Local level Hospital



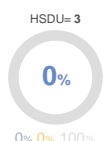
Primary Healthcare Center



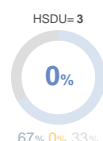
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

¹⁰ WHO Basic emergency care by prehospital provider: Initial syndrome-based management at scene by prehospital providers for difficulty breathing, shock, altered mental status, and polytrauma.

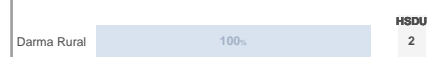
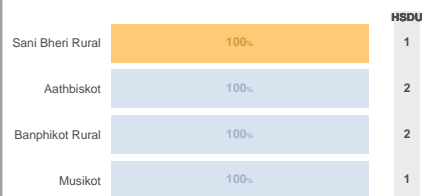
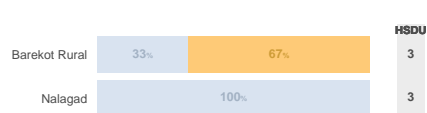


Jajarkot

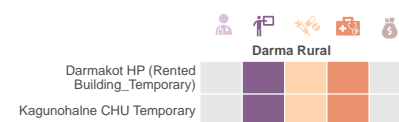
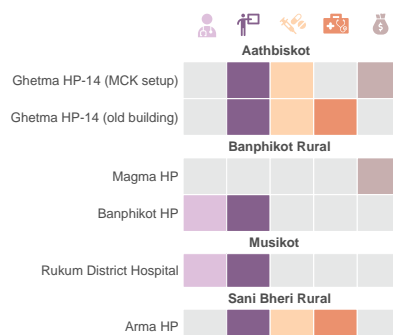
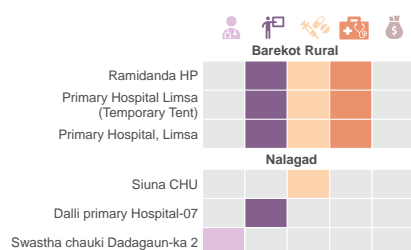
Rukum West

Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU



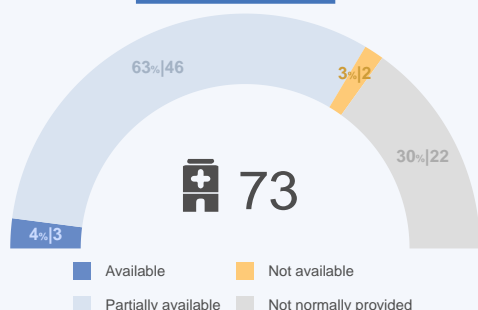
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.

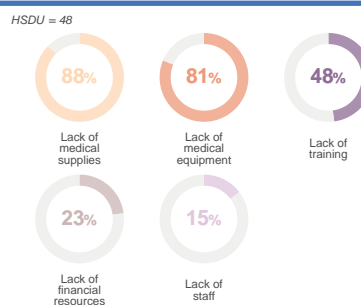


WHO BASIC EMERGENCY CARE

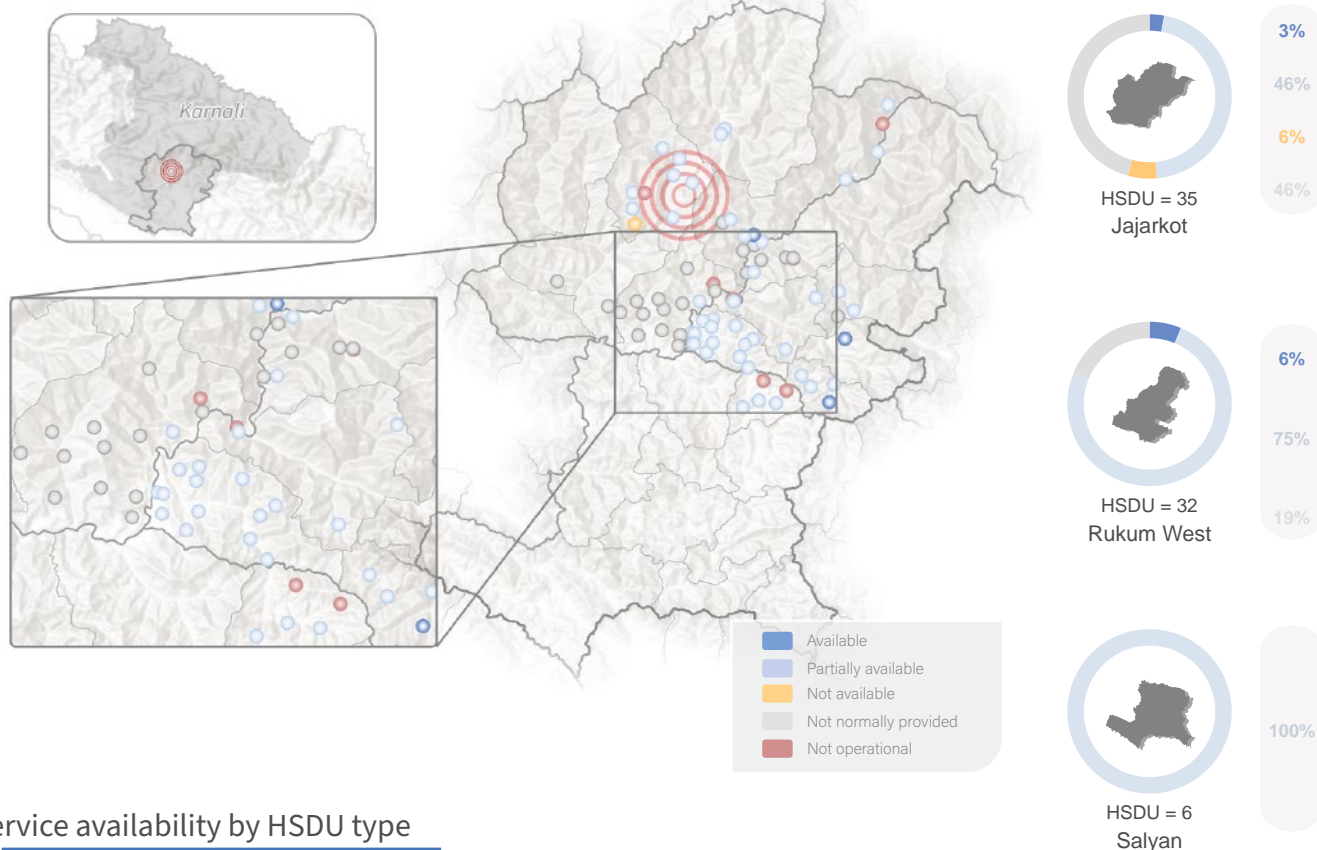
Service availability ¹¹



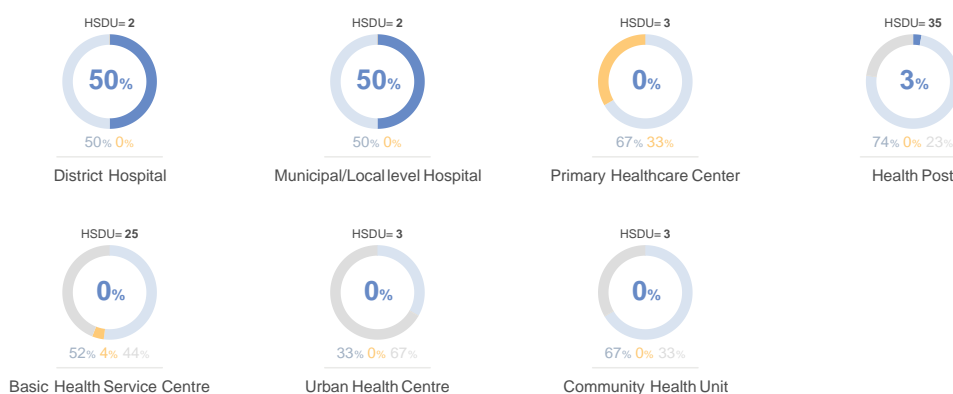
Main barriers impeding service delivery



Service availability by district



Service availability by HSDU type



¹¹ Basic syndrome-based management of difficulty breathing, shock, altered mental status, and polytrauma for neonates, children and adults.

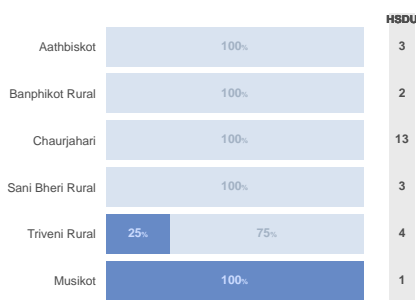
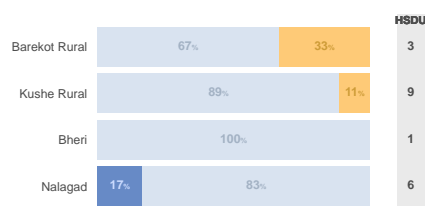


Jajarkot

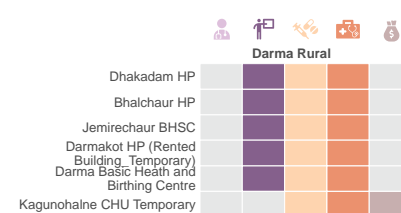
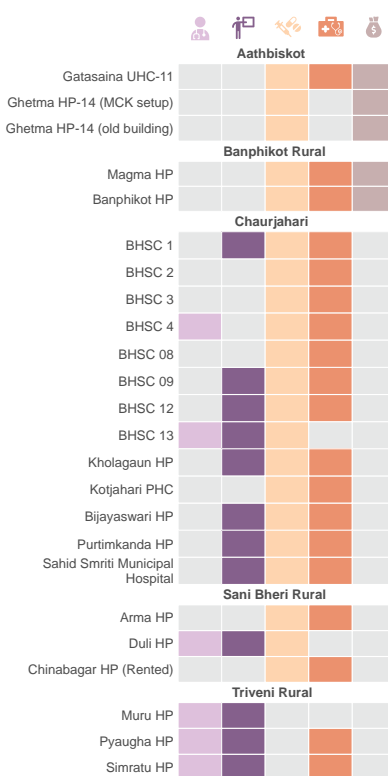
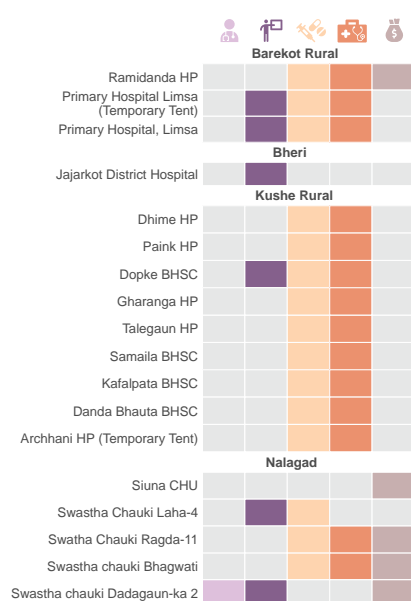
Rukum West

Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU



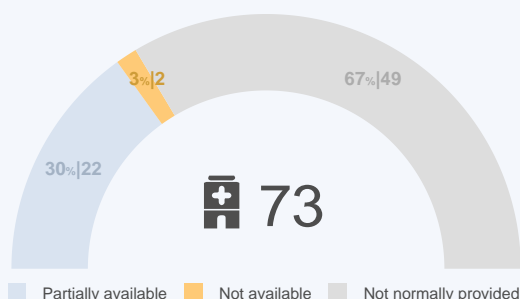
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



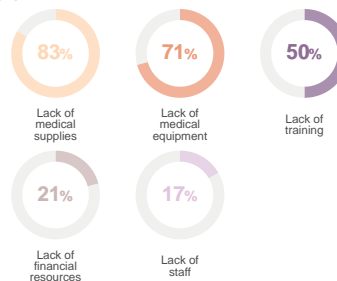
ADVANCED SYNDROME-BASED MANAGEMENT

Service availability ¹²

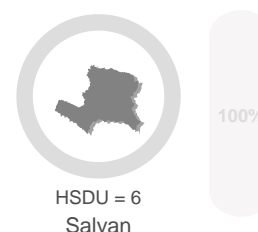
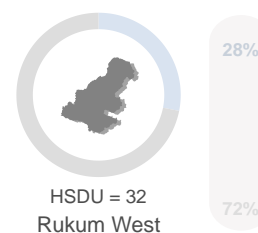
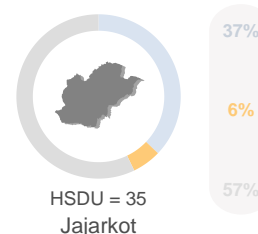
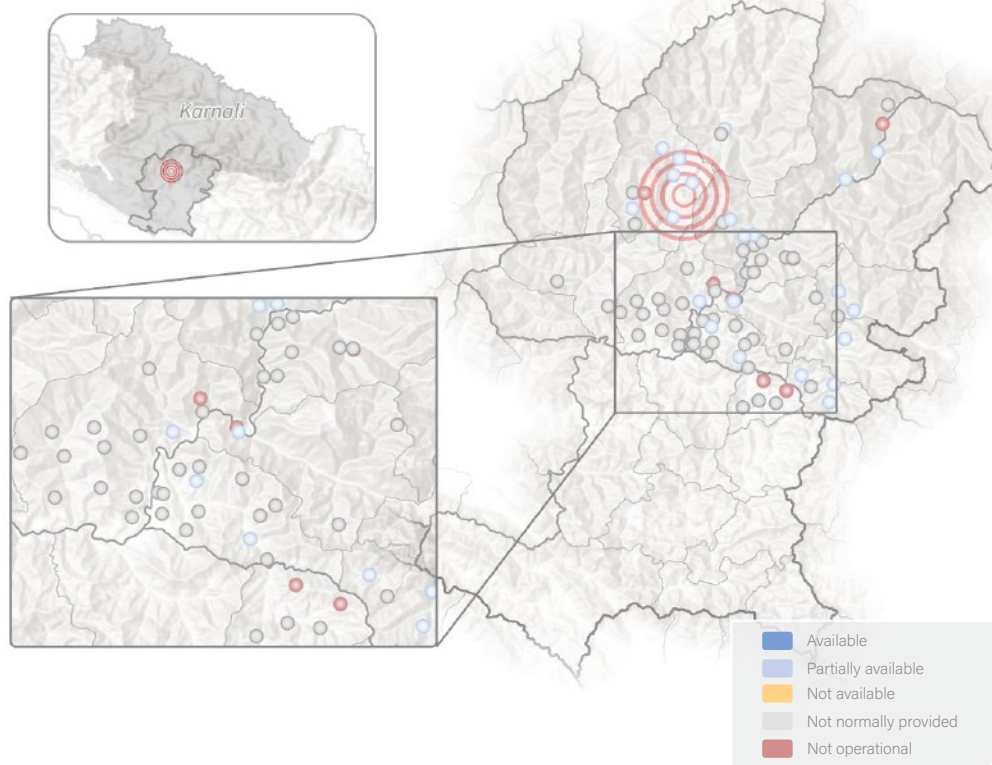


Main barriers impeding service delivery

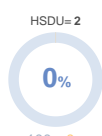
HSDU = 24



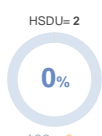
Service availability by district



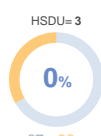
Service availability by HSDU type



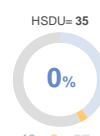
District Hospital



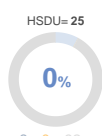
Municipal/Local level Hospital



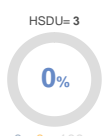
Primary Healthcare Center



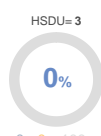
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

¹² Advanced Syndrome-based management of difficulty breathing, shock, altered mental status, and polytrauma in dedicated emergency unit, including for neonates, children and adults. Interventions include intubation, mechanical ventilation, surgical airway, and placement of chest drain, hemorrhage control, defibrillation, administration of IV fluids via peripheral and central venous line with adjustment for age and condition, including malnutrition; administration of essential emergency medications.

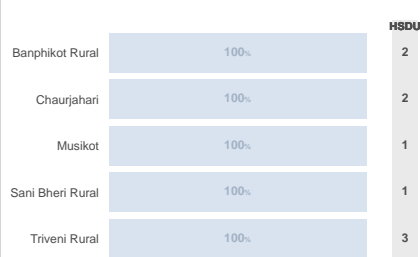
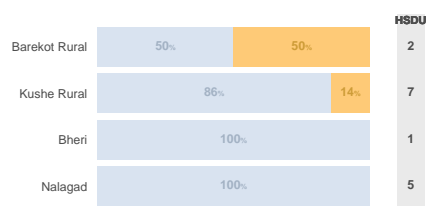


Jajarkot

Rukum West

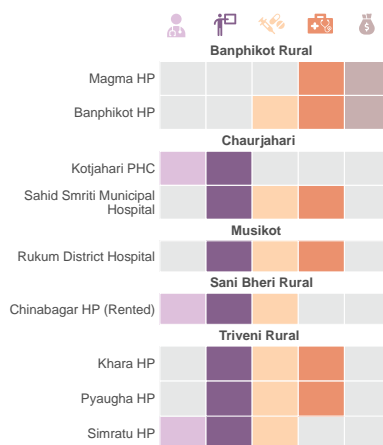
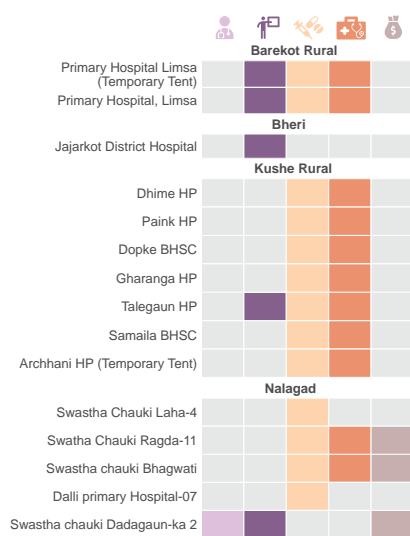
Salyan

Service availability by municipality*



No reporting HSDU

Main barriers impeding service delivery by municipality and HSDU



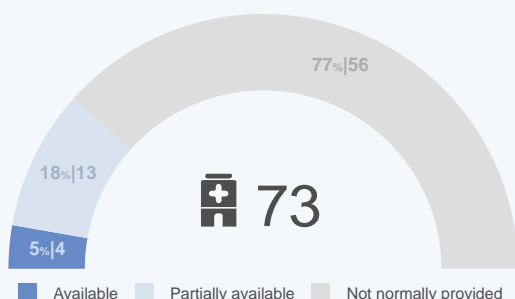
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



MONITORED REFERRAL

Service availability¹³

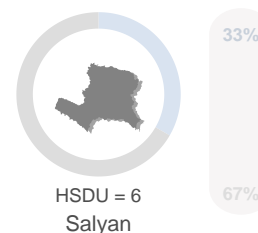
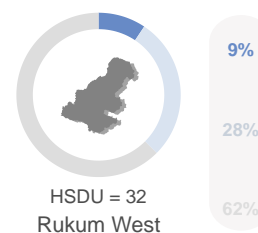
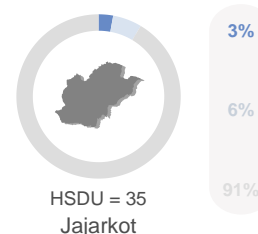
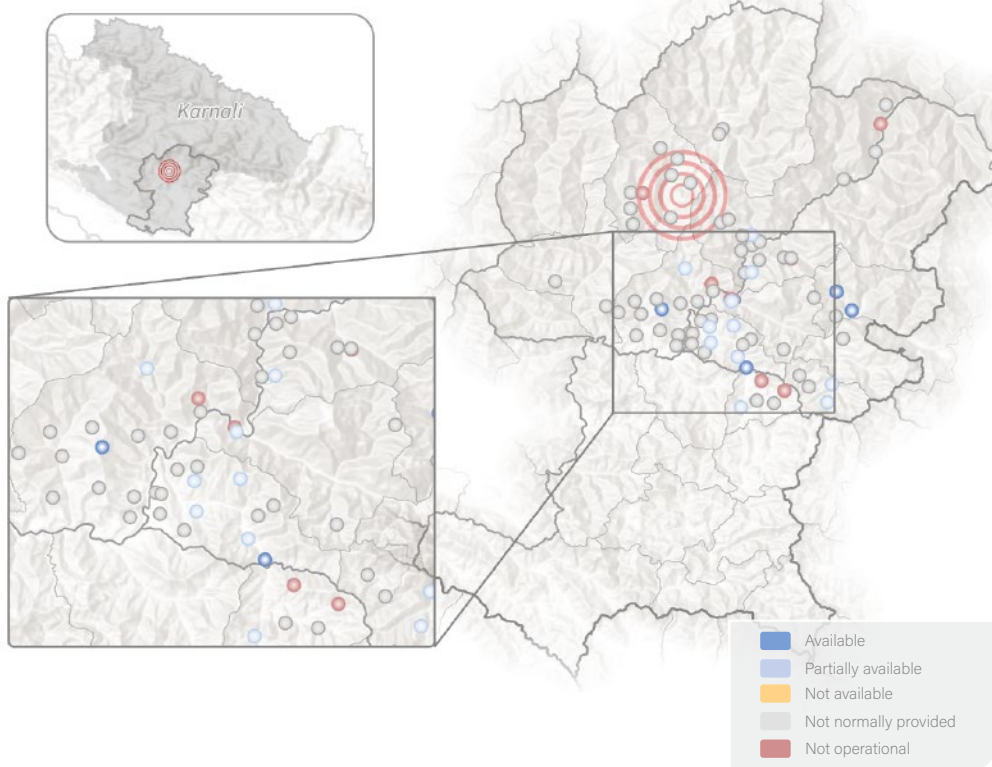


Main barriers impeding service delivery

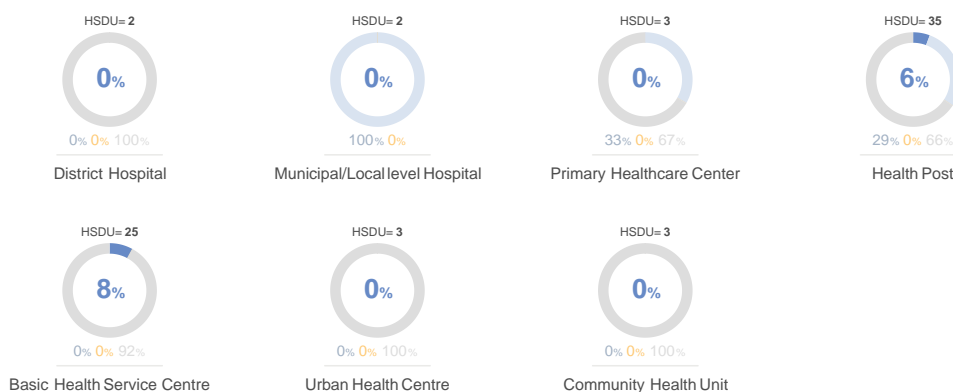
HSDU = 13



Service availability by district



Service availability by HSDU type



¹³ Direct provider monitoring during transport to appropriate healthcare facility and structured handover to facility personnel.

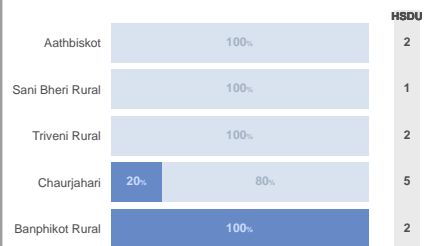
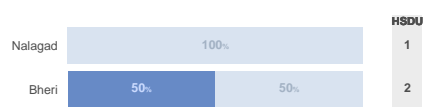


Jajarkot

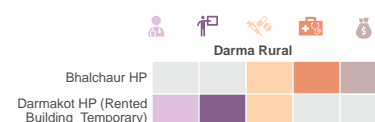
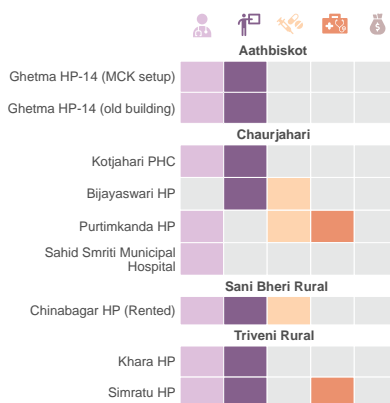
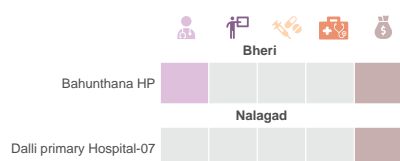
Rukum West

Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU



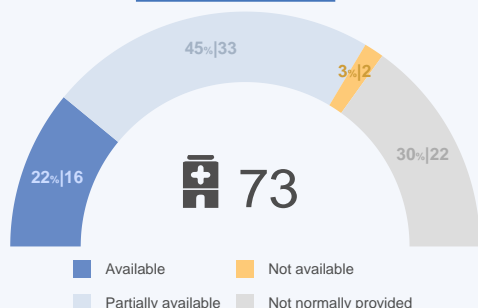
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



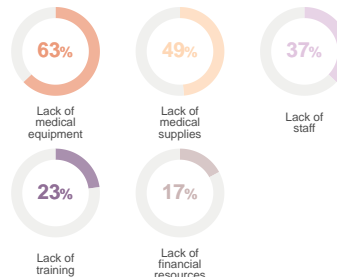
REFERRAL CAPACITY

Service availability¹⁴

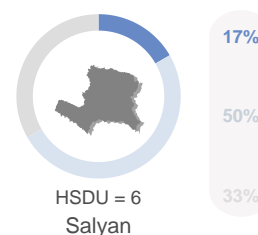
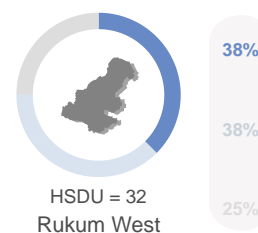
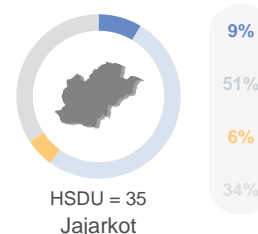
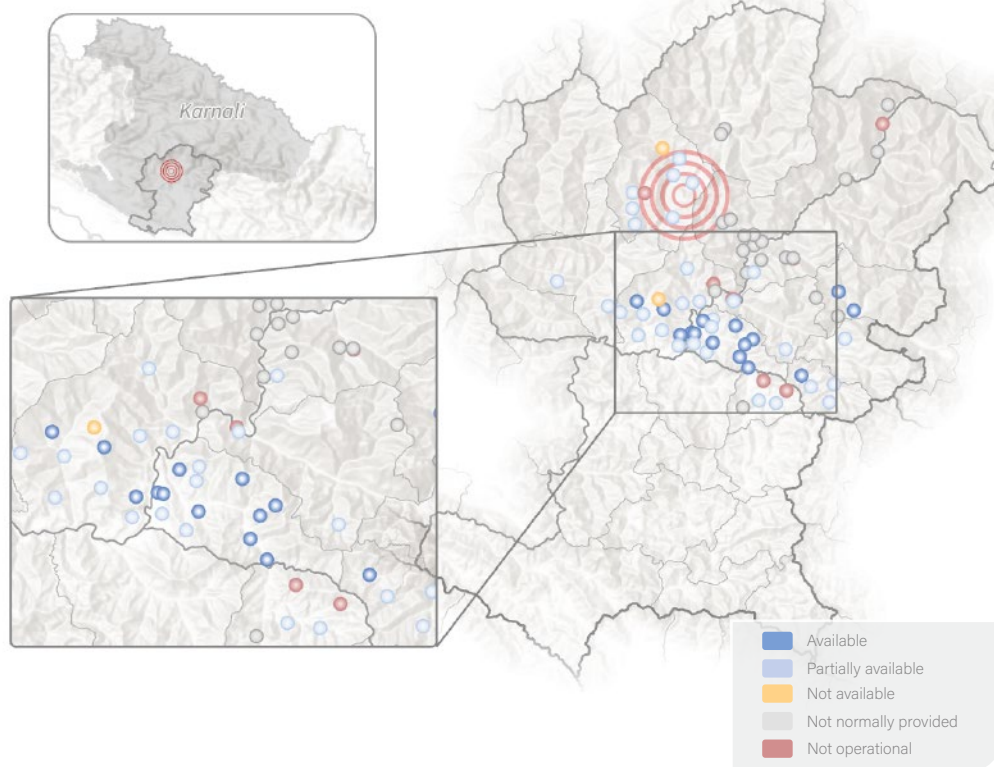


Main barriers impeding service delivery

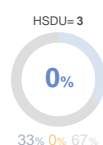
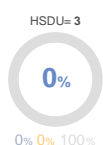
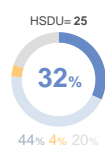
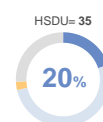
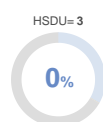
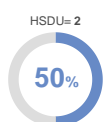
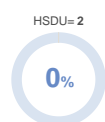
HSDU = 35



Service availability by district



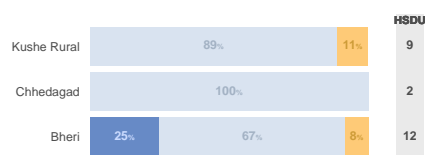
Service availability by HSDU type



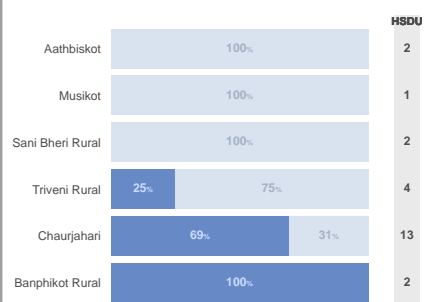
¹⁴ Referral procedures, means of communication, access to transportation.



Jajarkot



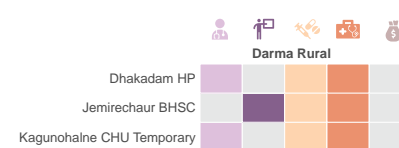
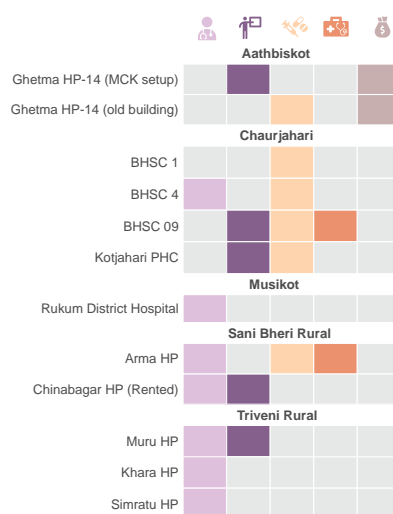
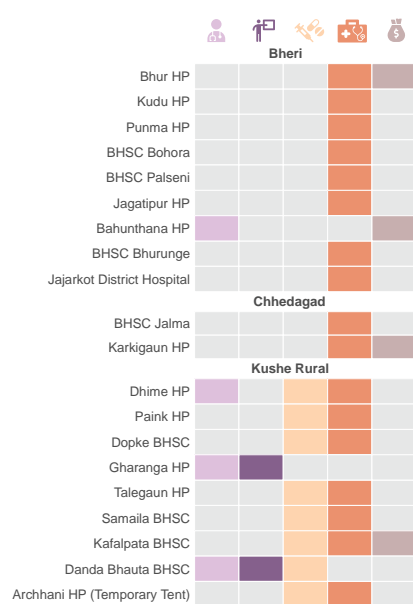
Rukum West



Salyan



Main barriers impeding service delivery by municipality and HSDU



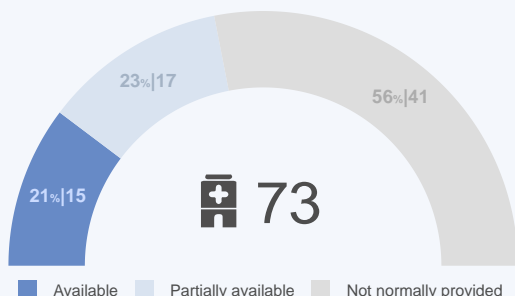
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.

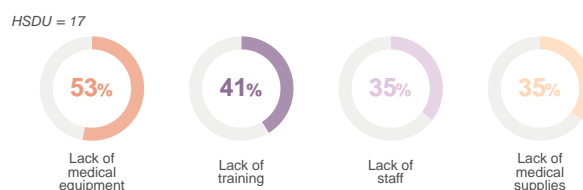


ACCEPTANCE OF REFERRALS

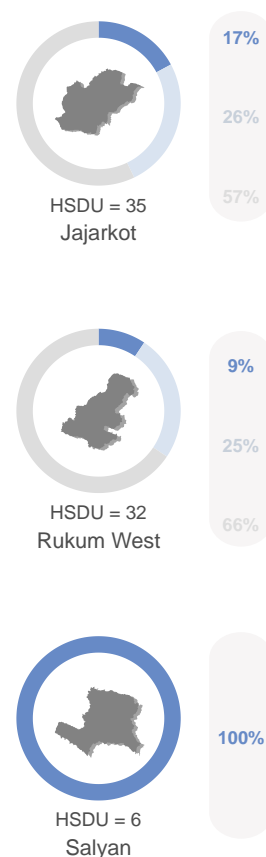
Service availability¹⁵



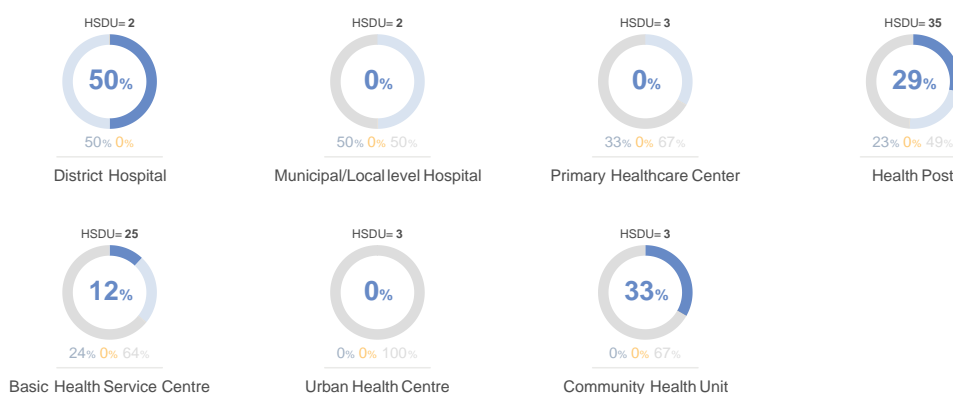
Main barriers impeding service delivery



Service availability by district



Service availability by HSDU type



¹⁵ Acceptance of referral with remote decision support for prehospital providers and primary-level facilities, and condition-specific protocol-based referral to higher levels.

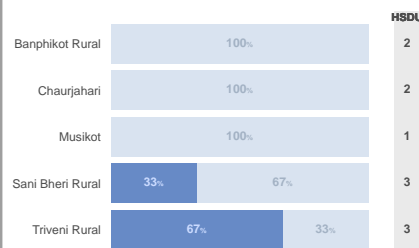
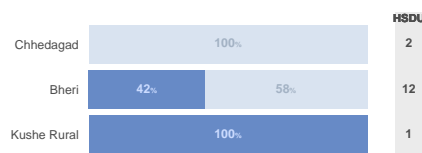


Jajarkot

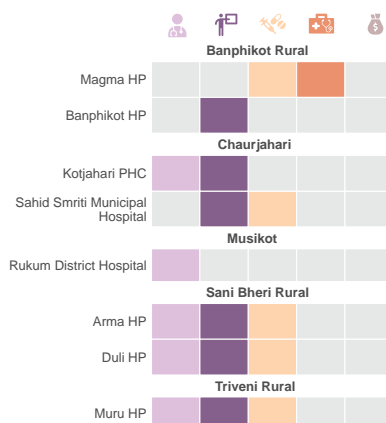
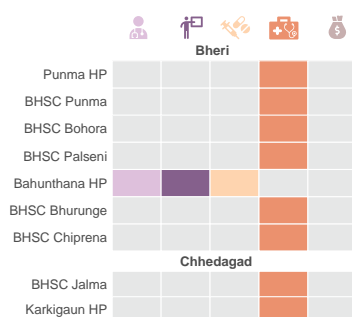
Rukum West

Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU



No barriers reported

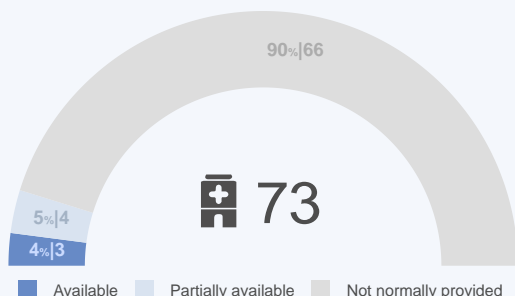
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



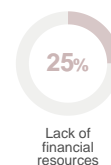
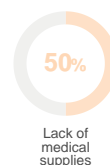
ACCEPTANCE OF COMPLEX REFERRALS

Service availability¹⁶

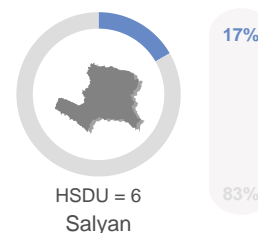
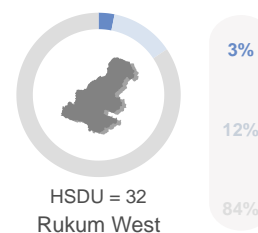
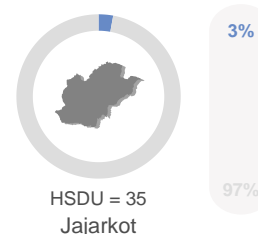
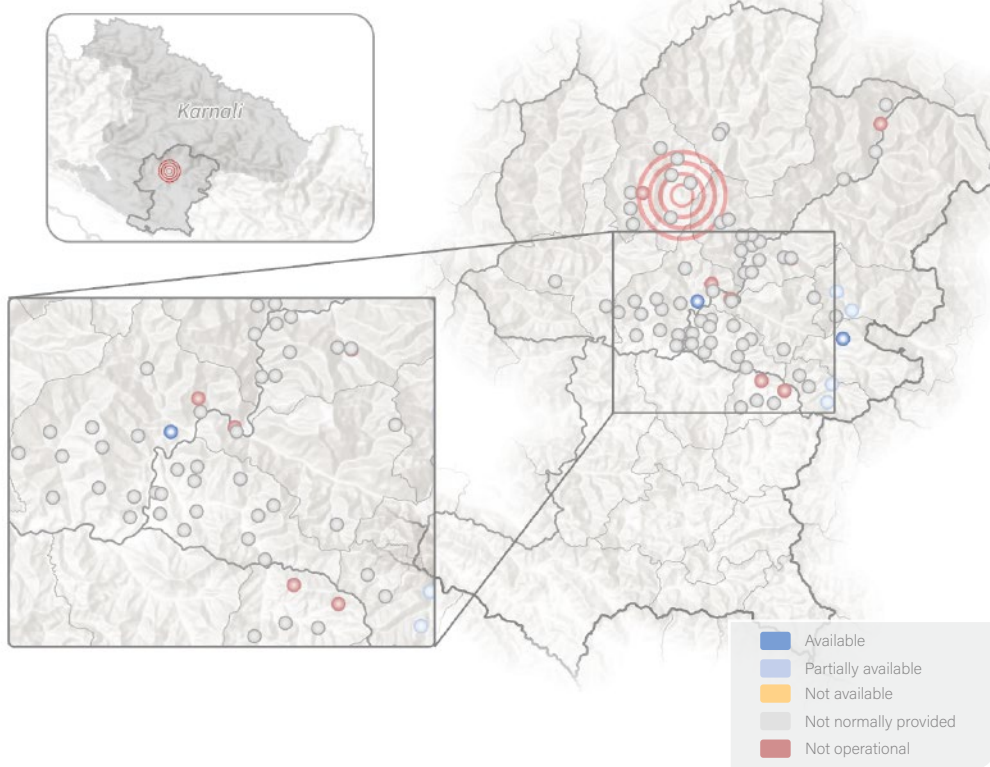


Main barriers impeding service delivery

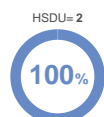
HSDU = 4



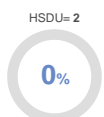
Service availability by district



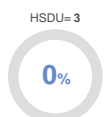
Service availability by HSDU type



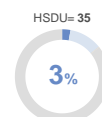
District Hospital



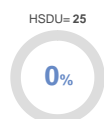
Municipal/Local level Hospital



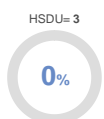
Primary Healthcare Center



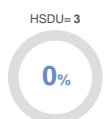
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

¹⁶ Acceptance of complex referrals with remote decision support for prehospital providers and lower-level facilities.

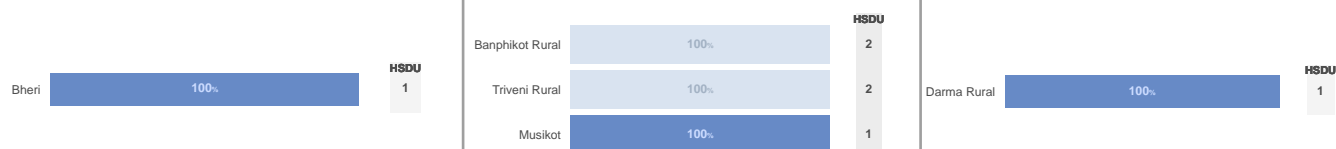


Jajarkot

Rukum West

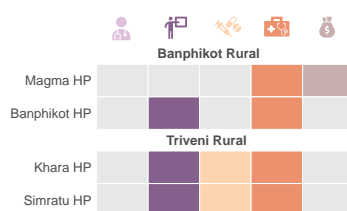
Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU

No barriers reported



No barriers reported

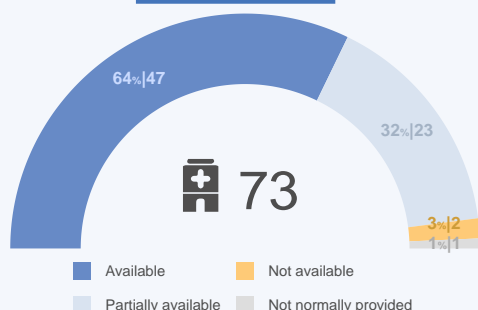
-  Lack of staff
-  Lack of training
-  Lack of medical supplies
-  Lack of medical equipment
-  Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



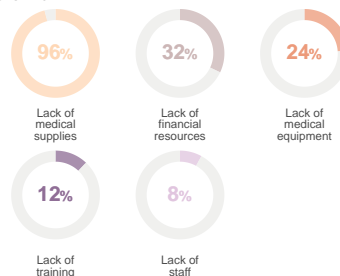
OUTPATIENT SERVICES FOR PRIMARY HEALTH CARE

Service availability¹⁷

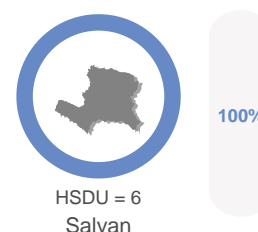
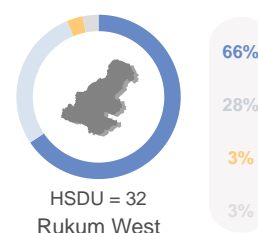
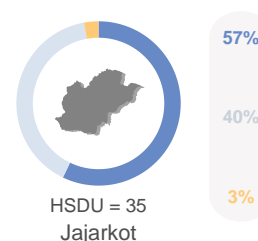


Main barriers impeding service delivery

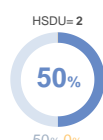
HSDU = 25



Service availability by district



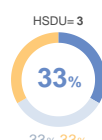
Service availability by HSDU type



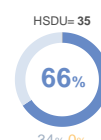
District Hospital



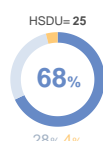
Municipal/Local level Hospital



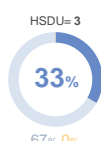
Primary Healthcare Center



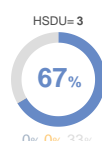
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

¹⁷ Outpatient services for primary care with availability of all essential drugs for primary care as per national guidelines.

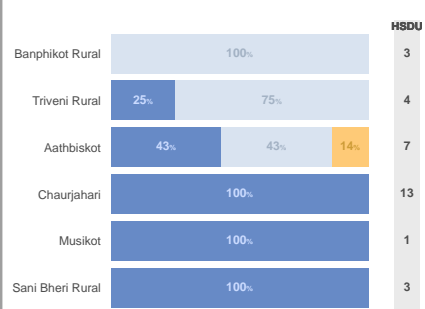
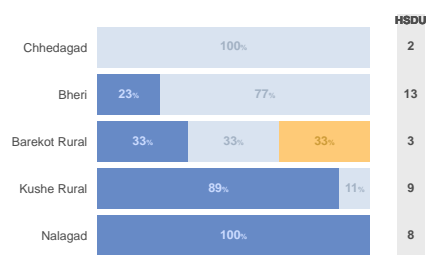


Jajarkot

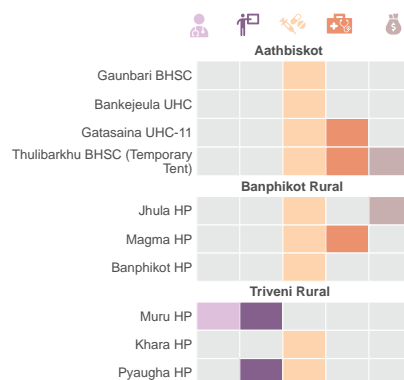
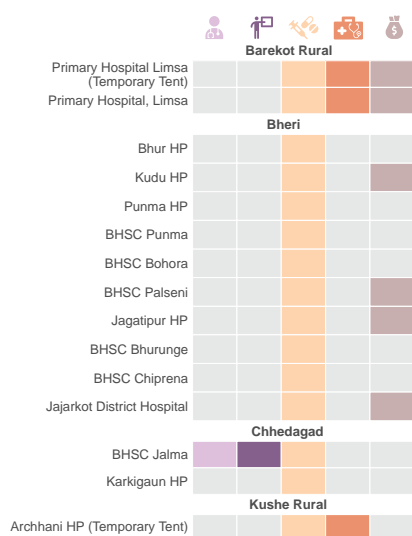
Rukum West

Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU



No barriers reported

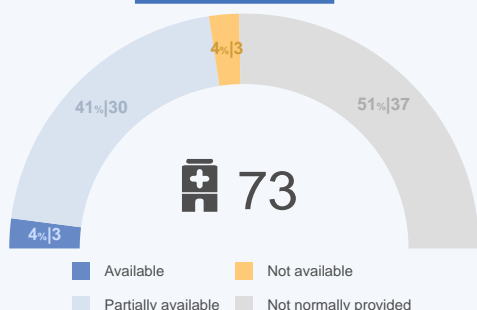
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



OUTPATIENT DEPARTMENT FOR SECONDARY CARE

Service availability¹⁸

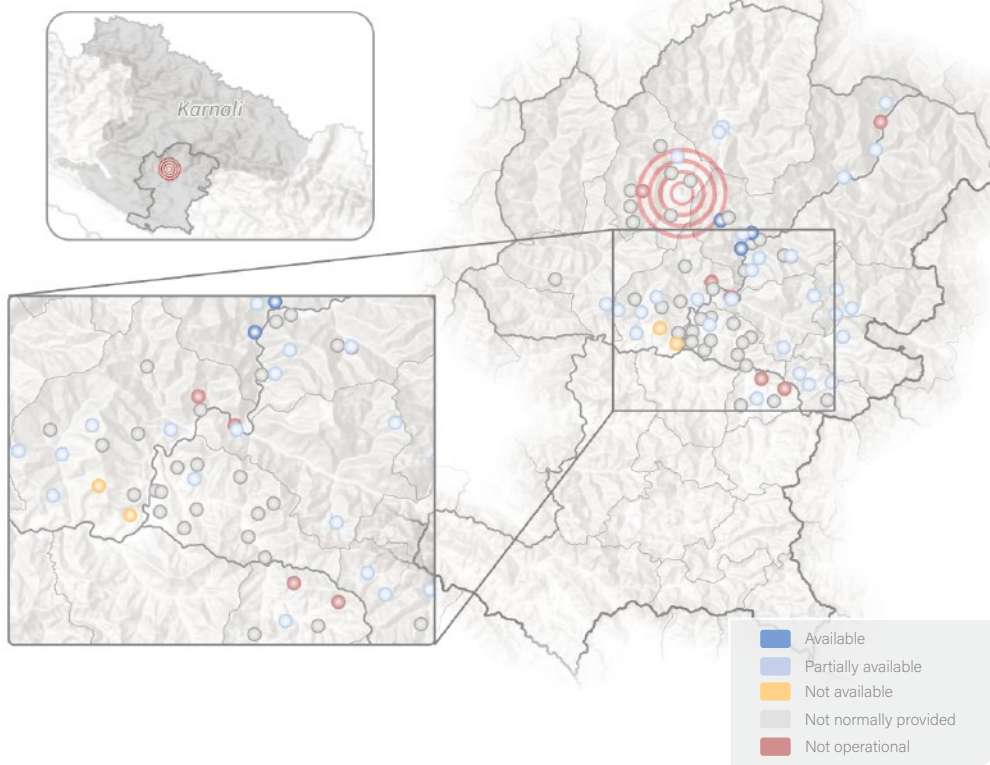
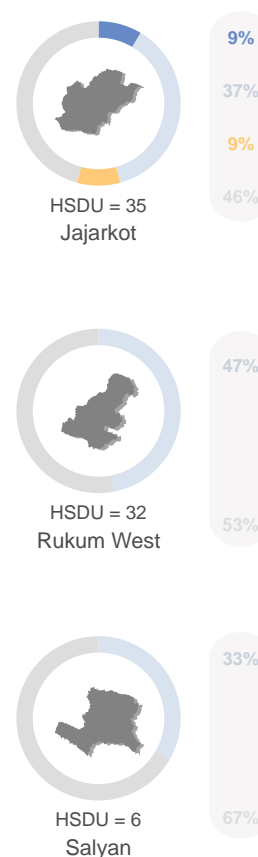


Main barriers impeding service delivery

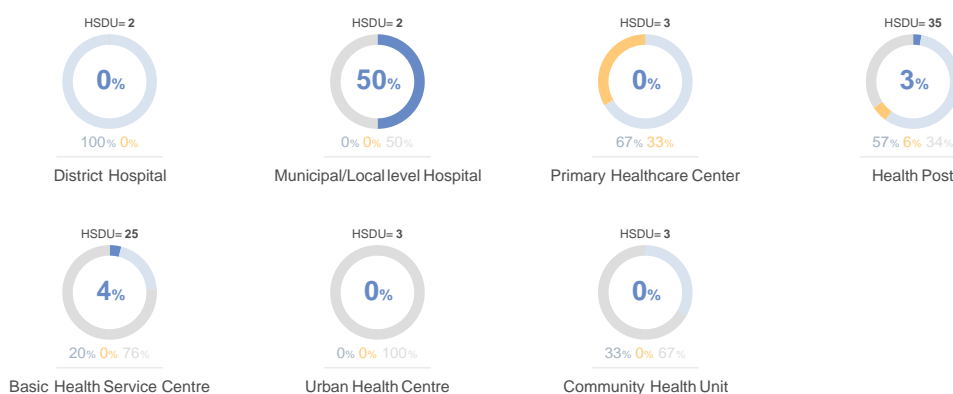
HSDU = 33



Service availability by district



Service availability by HSDU type



¹⁸ Outpatient department (OPD) for secondary care with availability of all essential drugs for secondary care as per national guidelines (including NCD and pain management), and at least one general practitioner.

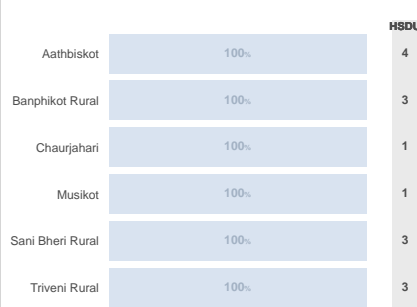
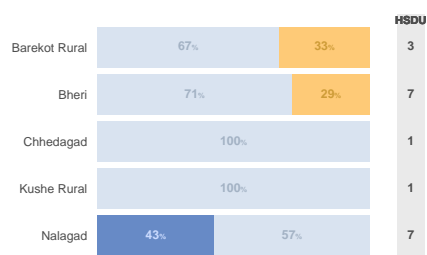


Jajarkot

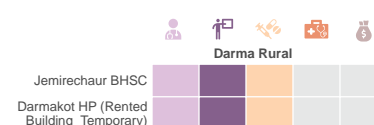
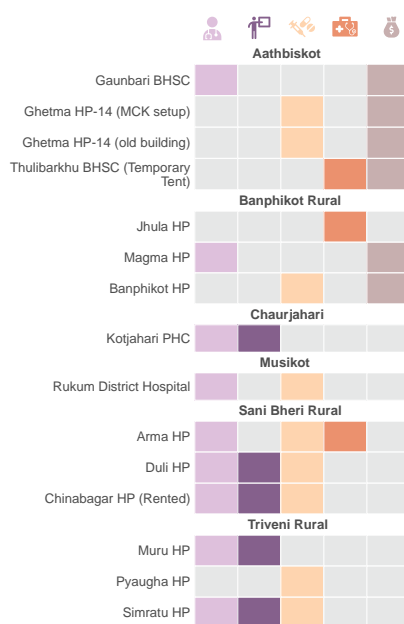
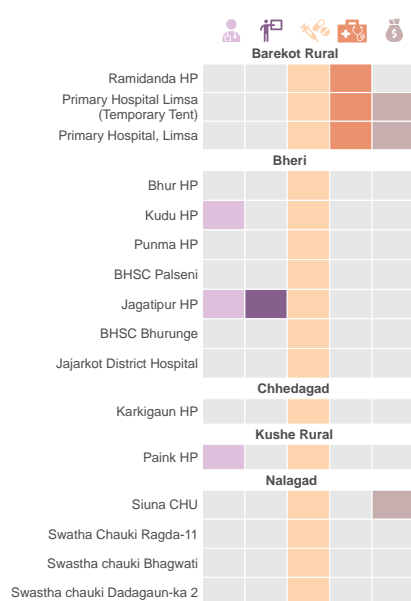
Rukum West

Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU



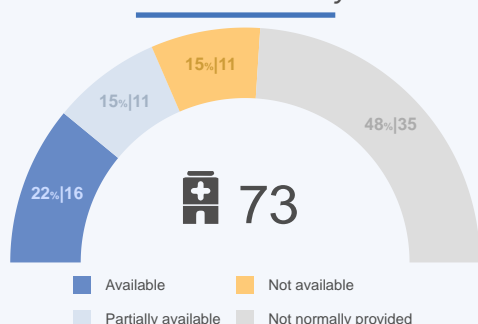
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



HOME VISITS

Service availability¹⁹

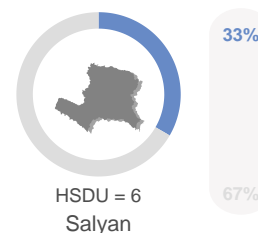
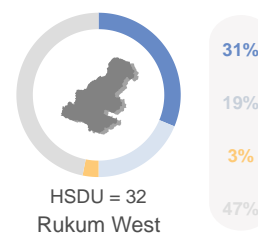
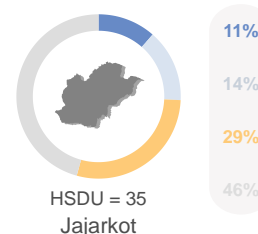
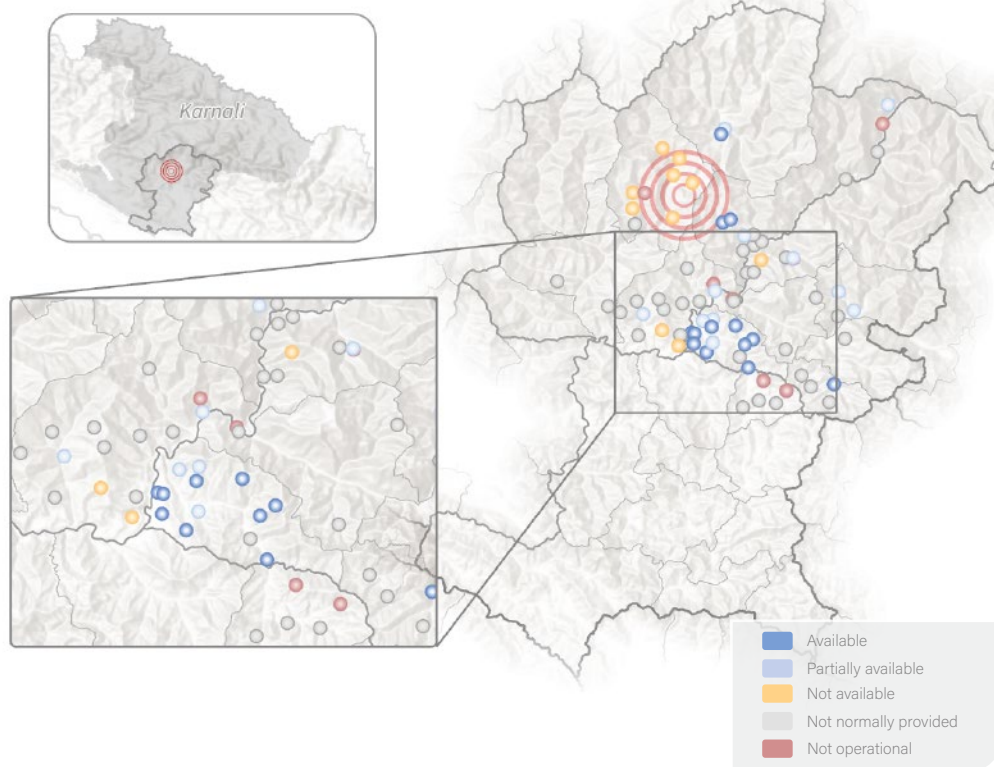


Main barriers impeding service delivery

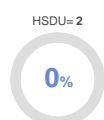
HSDU = 22



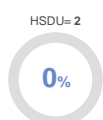
Service availability by district



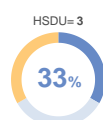
Service availability by HSDU type



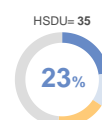
District Hospital



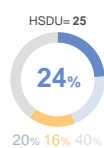
Municipal/Local level Hospital



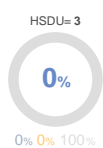
Primary Healthcare Center



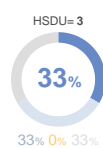
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

¹⁹ Home visits, including promotion of self-care practices, monitoring of noncommunicable diseases (NCD) medication compliance and palliative care.

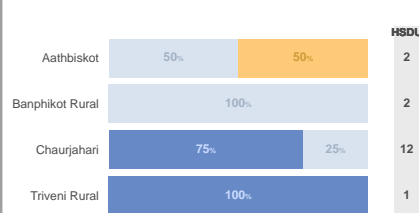
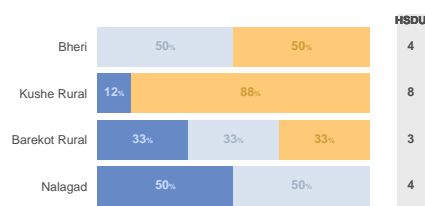


Jajarkot

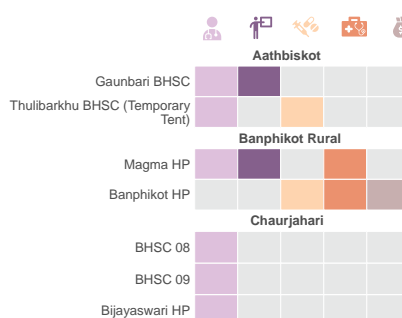
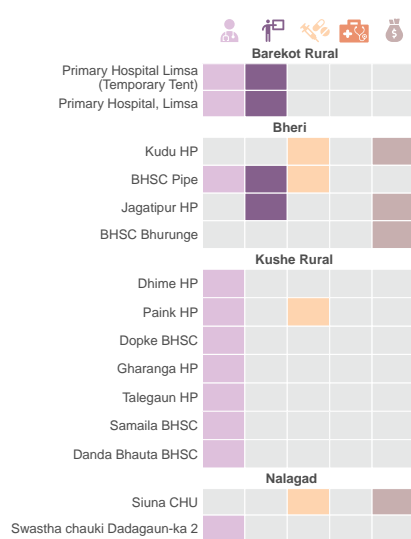
Rukum West

Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU



No barriers reported

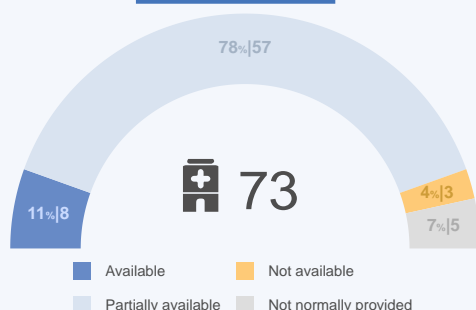
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



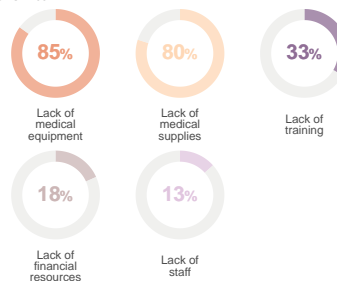
MINOR TRAUMA DEFINITIVE MANAGEMENT

Service availability²⁰

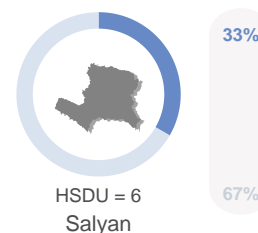
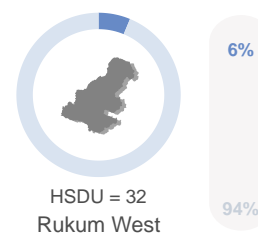
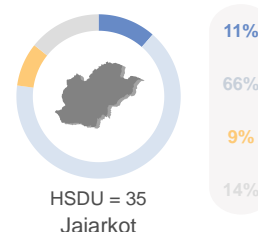
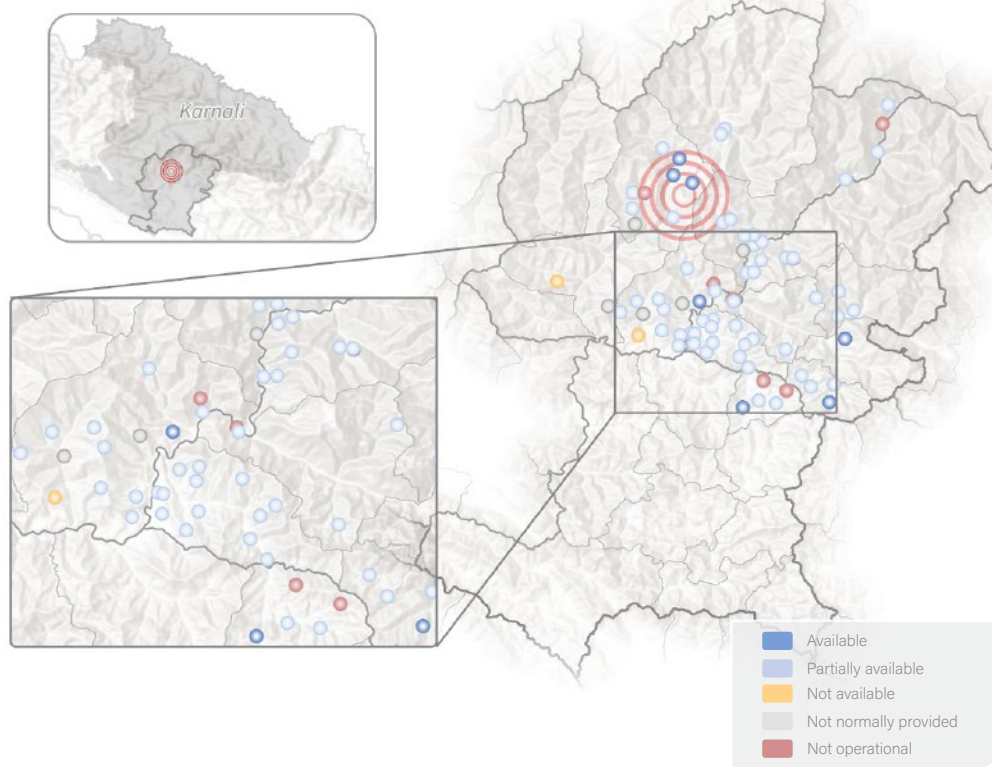


Main barriers impeding service delivery

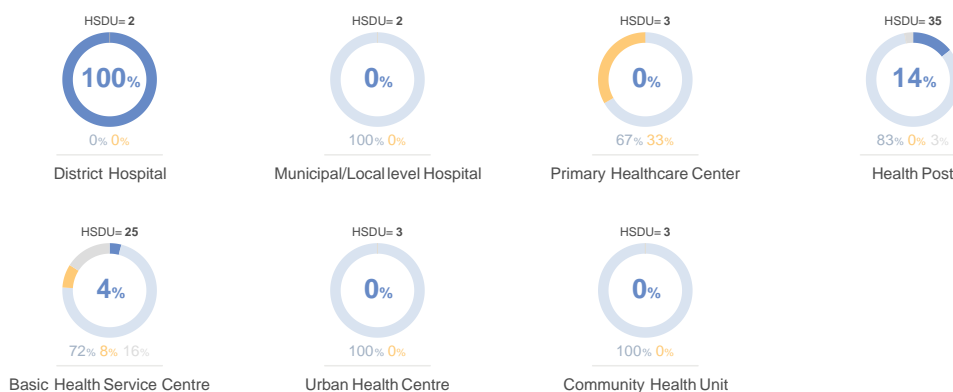
HSDU = 60



Service availability by district



Service availability by HSDU type



¹⁹ Pain management, tetanus toxoid and human antitoxin, minor surgery kits, suture absorbable/silk with needles, disinfectant solutions, bandages, gauzes, cotton wool.

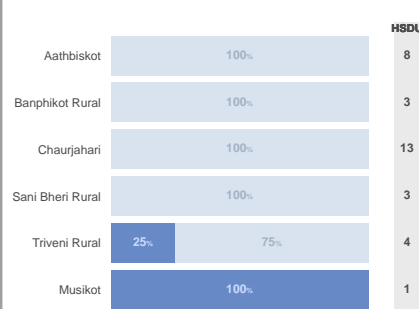
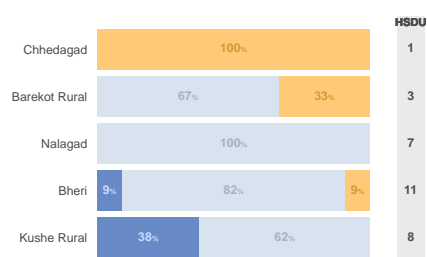


Jajarkot

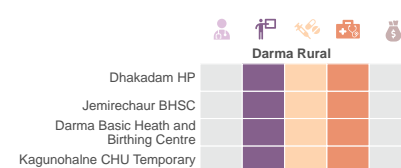
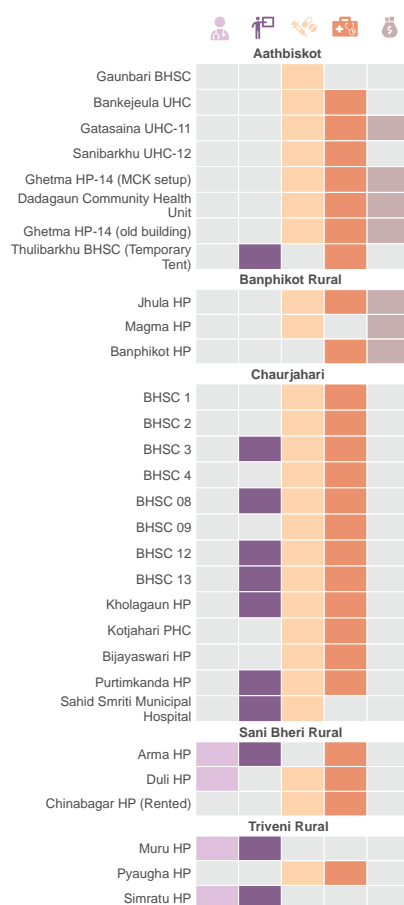
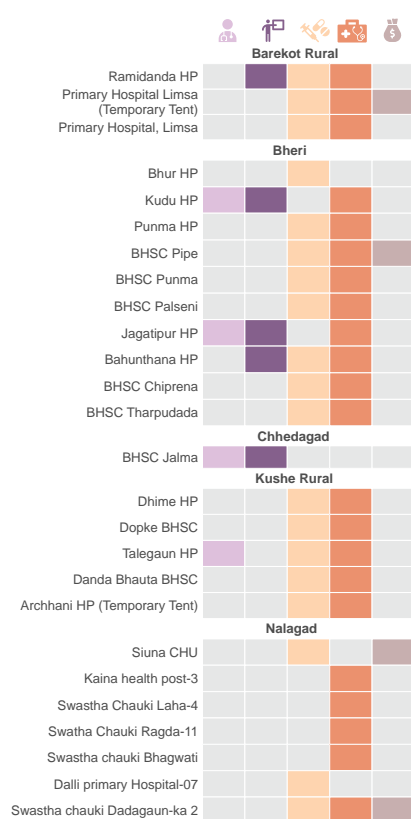
Rukum West

Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU



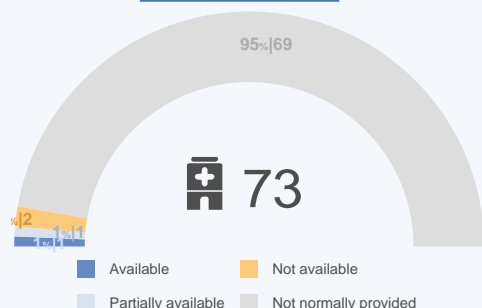
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



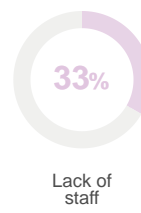
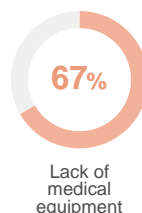
EMERGENCY AND ELECTIVE SURGERY

Service availability²⁰

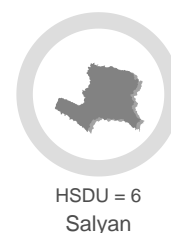
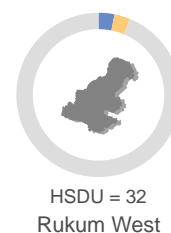
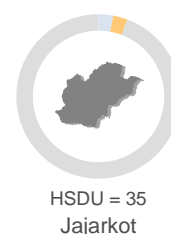
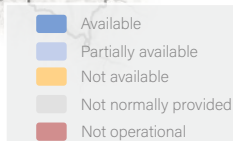
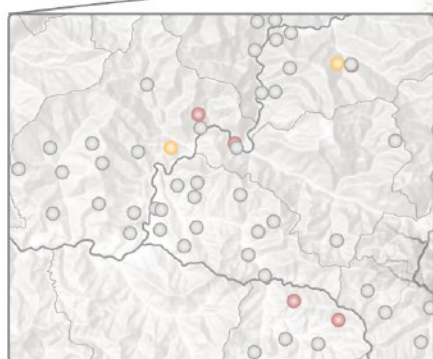


Main barriers impeding service delivery

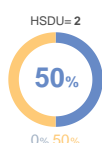
HSDU = 3



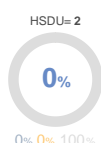
Service availability by district



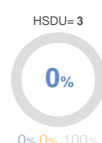
Service availability by HSDU type



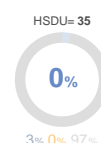
District Hospital



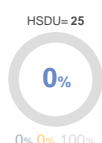
Municipal/Local level Hospital



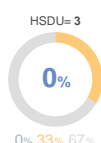
Primary Healthcare Center



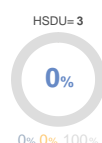
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

²⁰ Full surgical wound care, advanced fracture management through at least one operating theatre with basic general anesthesia (with or without gas).



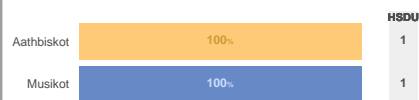
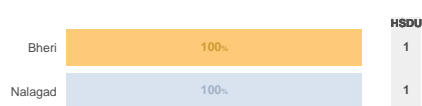
Jajarkot

Rukum West

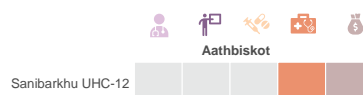
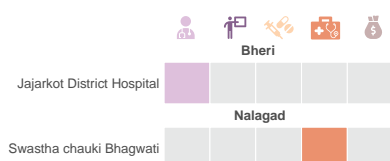
Salyan

Service availability by municipality*

No reporting HSDU



Main barriers impeding service delivery by municipality and HSDU



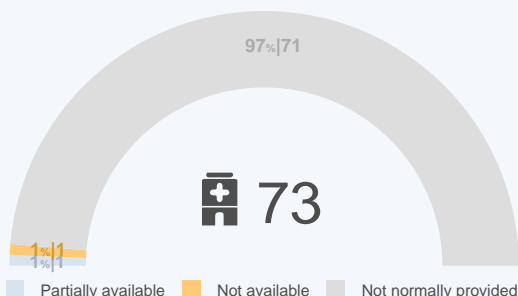
-  Lack of staff
-  Lack of training
-  Lack of medical supplies
-  Lack of medical equipment
-  Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



SURGERY WITH AT LEAST TWO OPERATING THEATRES

Service availability²¹

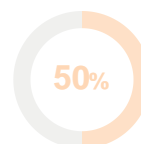


Main barriers impeding service delivery

HSDU = 2



Lack of staff

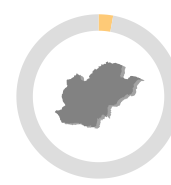
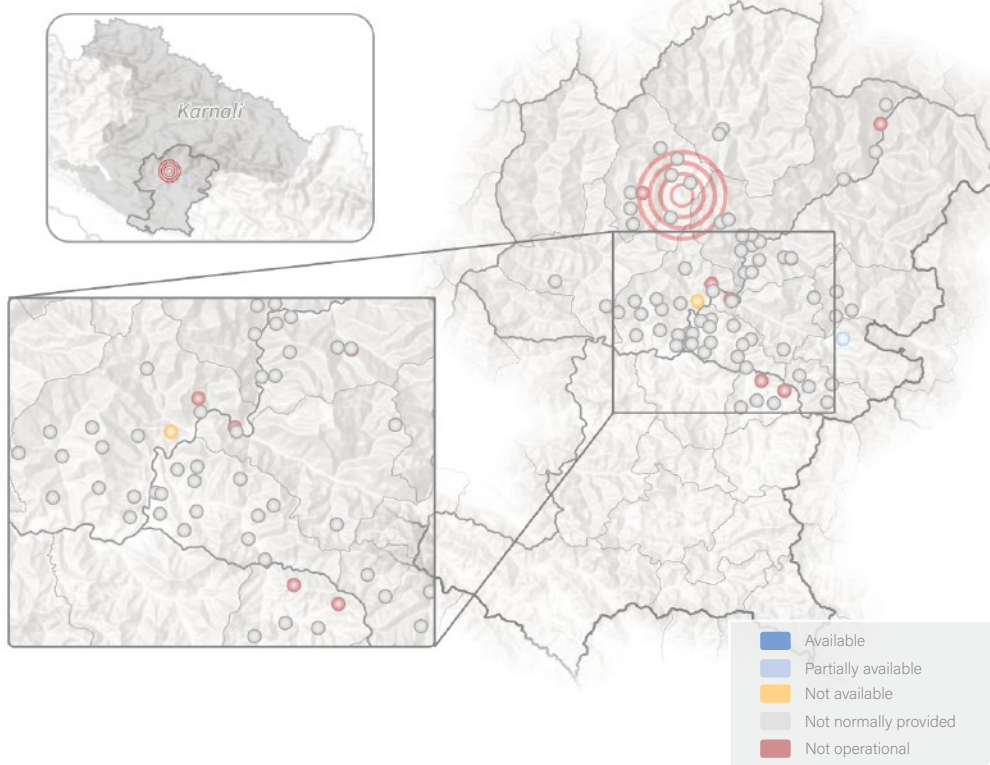


Lack of medical supplies

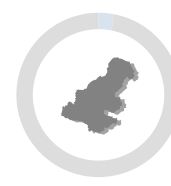


Lack of medical equipment

Service availability by district



HSDU = 35
Jajarkot

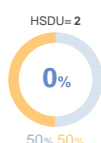


HSDU = 32
Rukum West

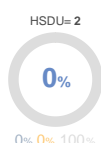


HSDU = 6
Salyan

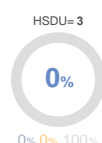
Service availability by HSDU type



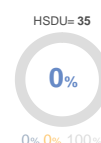
District Hospital



Municipal/Local level Hospital



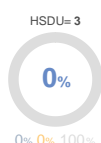
Primary Healthcare Center



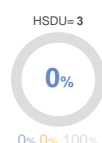
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

²¹ Emergency and elective surgery with at least two operating theatres with pediatric and adult gaseous anesthetic.



Jajarkot

Rukum West

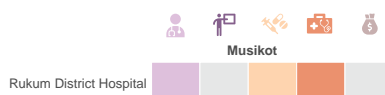
Salyan

Service availability by municipality*



No reporting HSDU

Main barriers impeding service delivery by municipality and HSDU



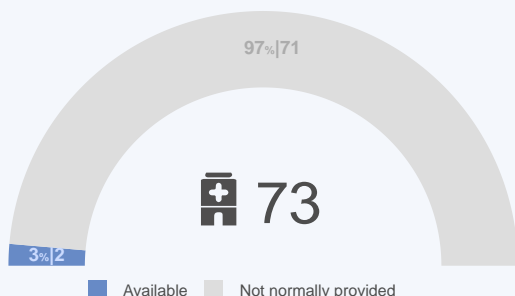
-  Lack of staff
-  Lack of training
-  Lack of medical supplies
-  Lack of medical equipment
-  Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.

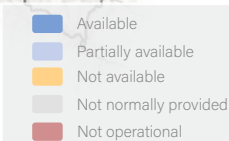
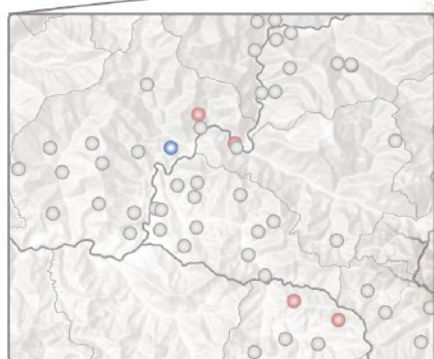


ORTHOPEDIC/TRAUMA WARD

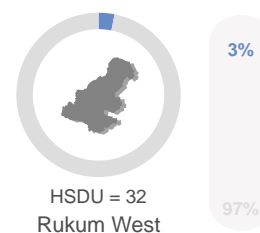
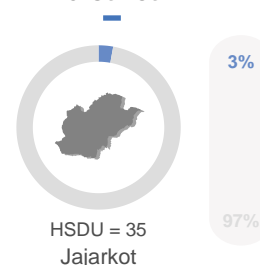
Service availability²²



No barriers reported



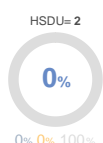
Service availability by district



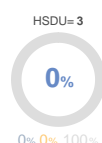
Service availability by HSDU type



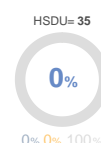
District Hospital



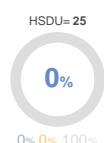
Municipal/Local level Hospital



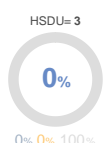
Primary Healthcare Center



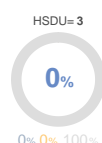
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

²² Orthopedic/trauma ward for advanced orthopedic and surgical care, including burn patient management.

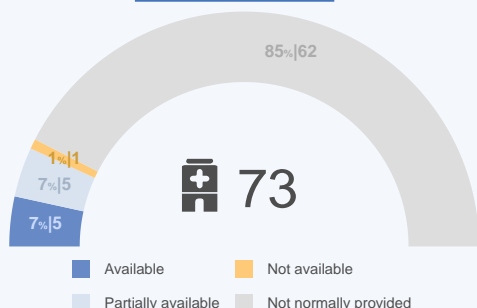


* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



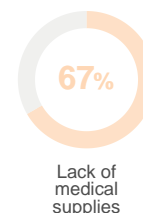
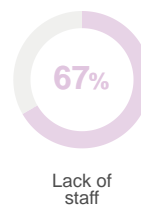
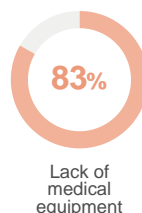
SHORT HOSPITALIZATION CAPACITY

Service availability²³

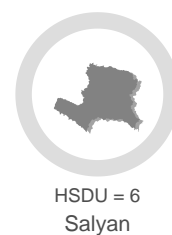
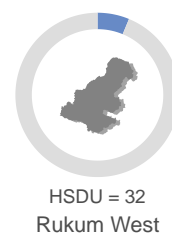
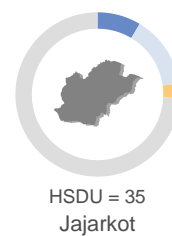
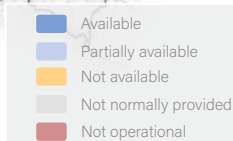
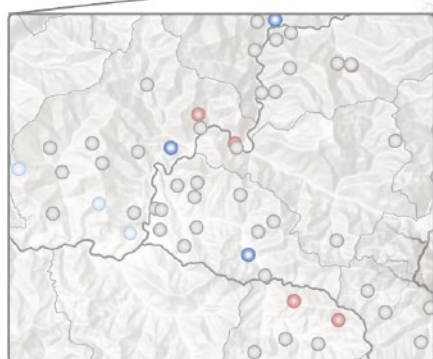


Main barriers impeding service delivery

HSDU = 6



Service availability by district



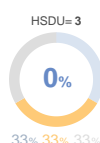
Service availability by HSDU type



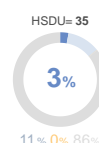
District Hospital



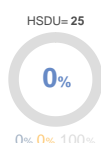
Municipal/Local level Hospital



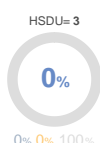
Primary Healthcare Center



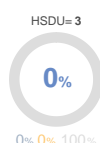
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

²³ Short hospitalization capacity (maximum 48 hours).

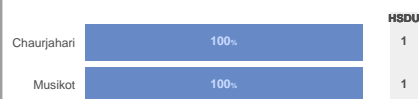
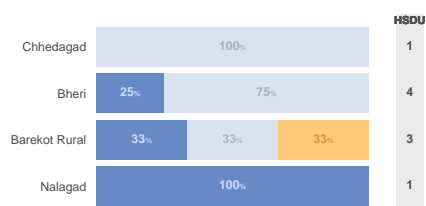


Jajarkot

Rukum West

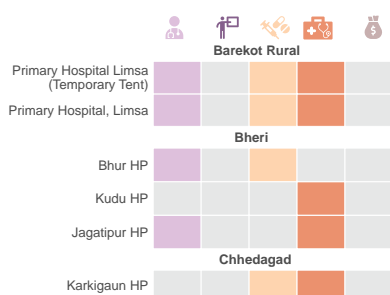
Salyan

Service availability by municipality*



No reporting HSDU

Main barriers impeding service delivery by municipality and HSDU



No barriers reported

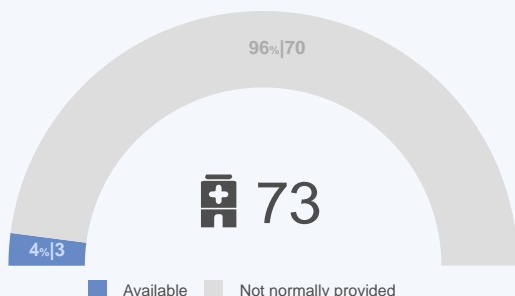
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.

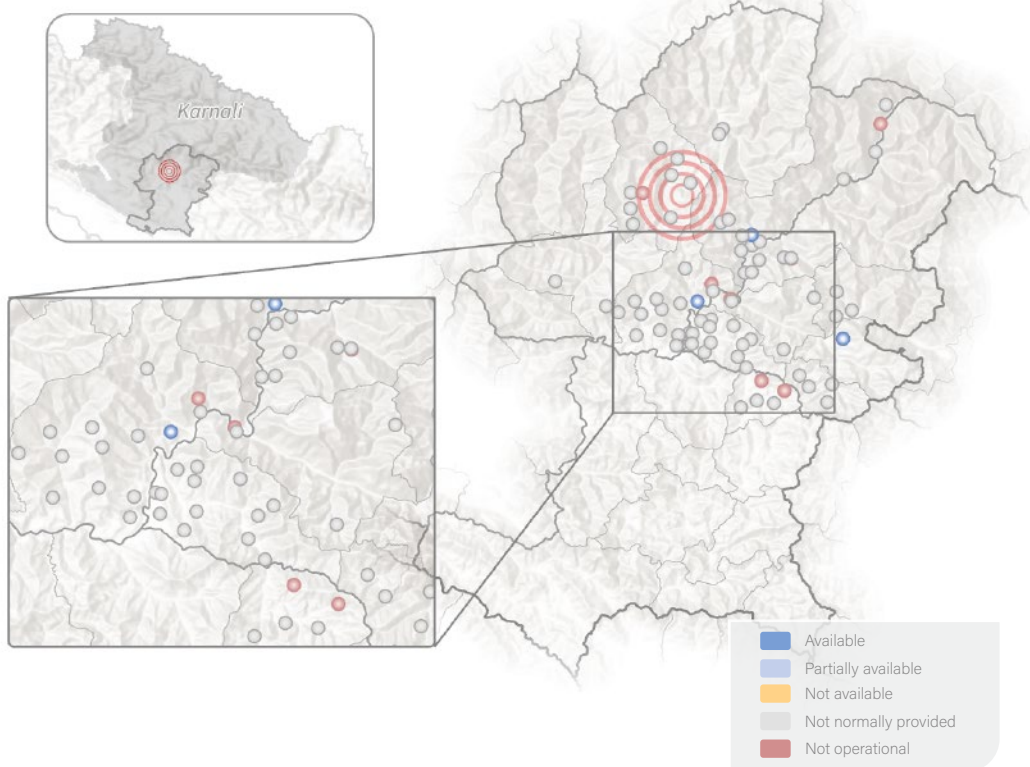


20 INPATIENT BED CAPACITY

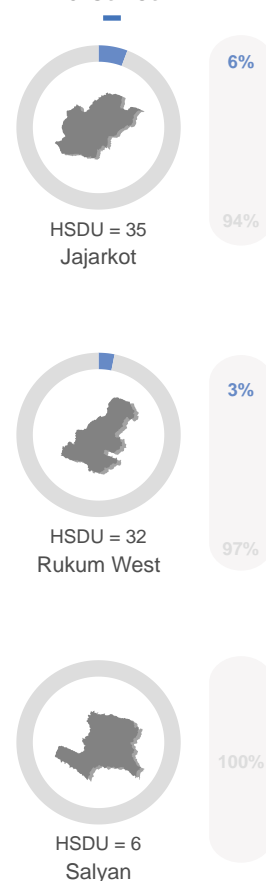
Service availability²⁴



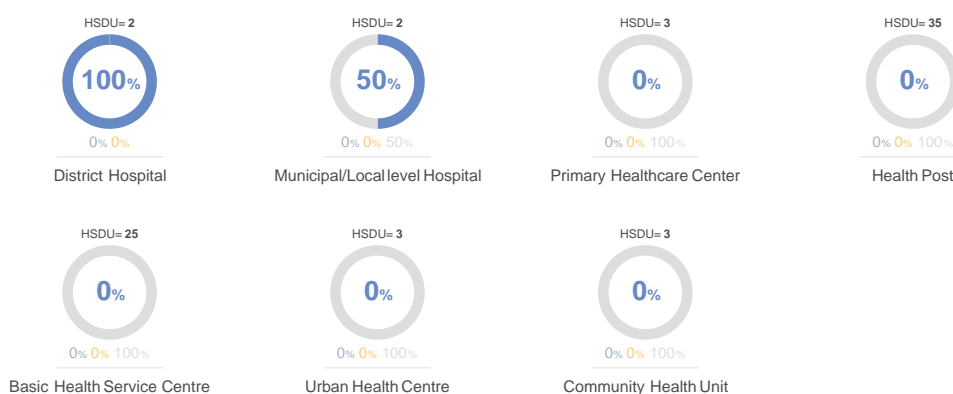
No barriers reported



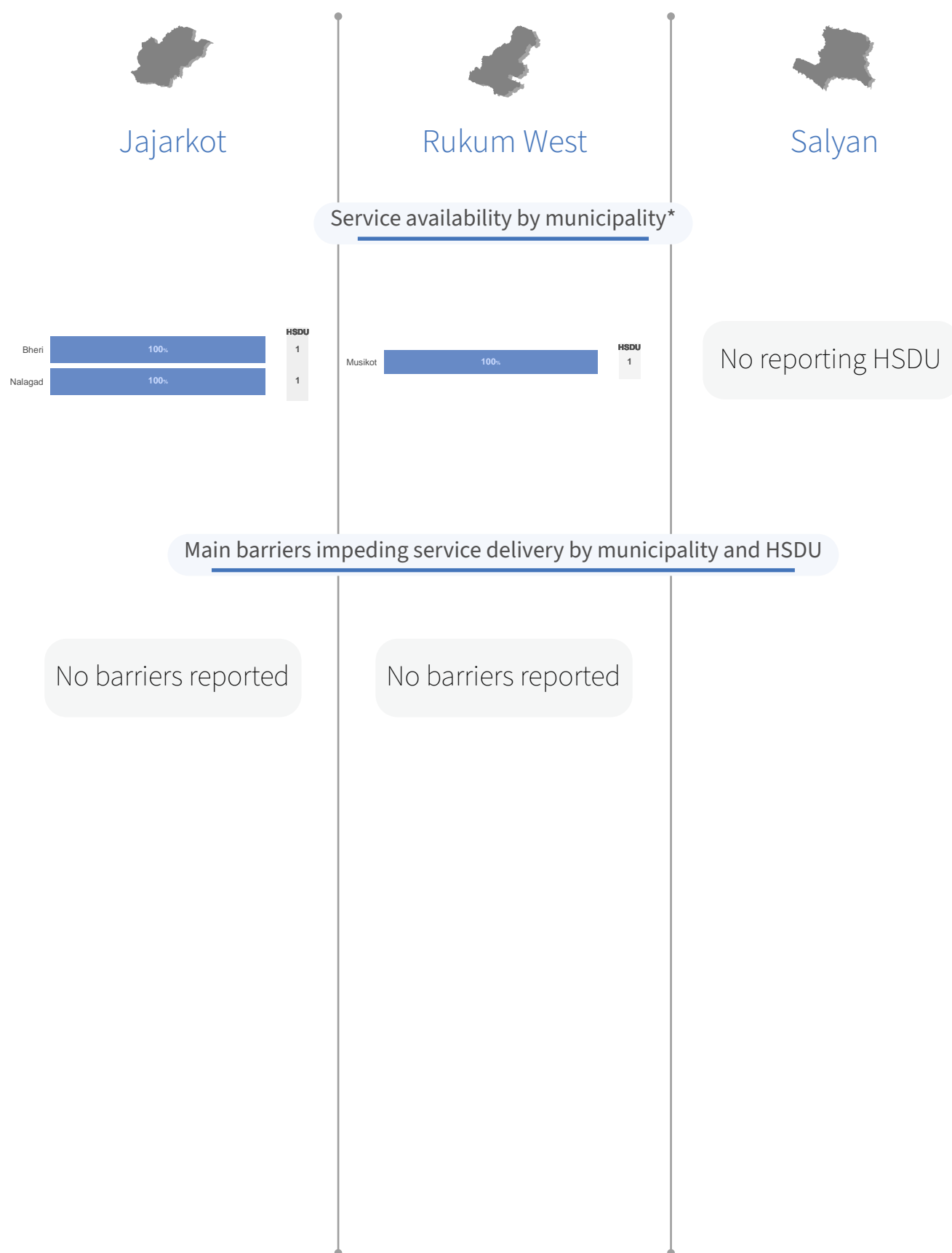
Service availability by district



Service availability by HSDU type



²⁴ At least 20 inpatient bed capacity with 24/7 availability of medical doctors (MD), nurses and midwives, and 4–5 beds for short observation before admission, or 24/48-hour hospitalization.

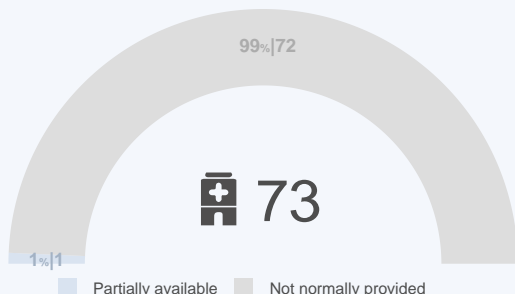


* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



50 INPATIENT BED CAPACITY

Service availability²⁵



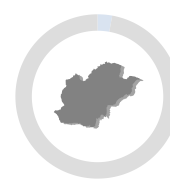
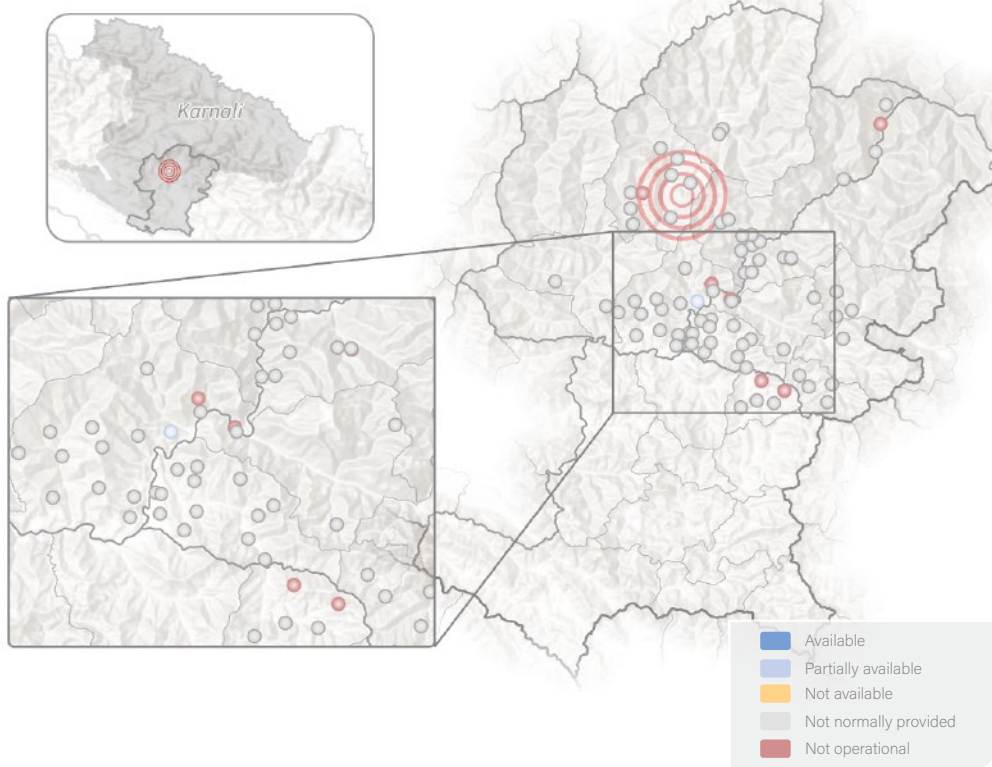
Main barriers impeding service delivery

HSDU = 1



Lack of staff

Service availability by district



HSDU = 35
Jajarkot

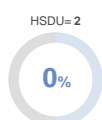


HSDU = 32
Rukum West



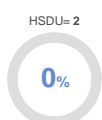
HSDU = 6
Salyan

Service availability by HSDU type



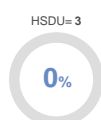
50% 0% 50%

District Hospital



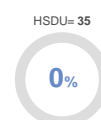
0% 0% 100%

Municipal/Local level Hospital



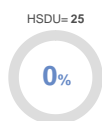
0% 0% 100%

Primary Healthcare Center

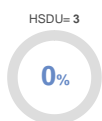


0% 0% 100%

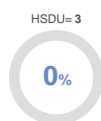
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

²⁵ 50 inpatient bed capacity with pediatric and ob-gyn wards with 24/7 availability of doctors and/or specialists (general surgeon, ob-gyn, pediatrician, others).

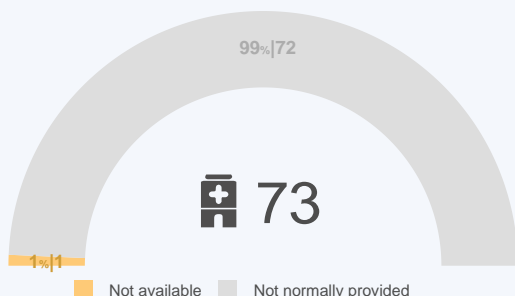


* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



INPATIENT CRITICAL CARE MANAGEMENT

Service availability²⁶



Main barriers impeding service delivery

HSDU = 1



Lack of training

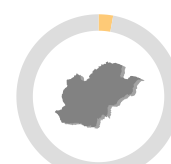
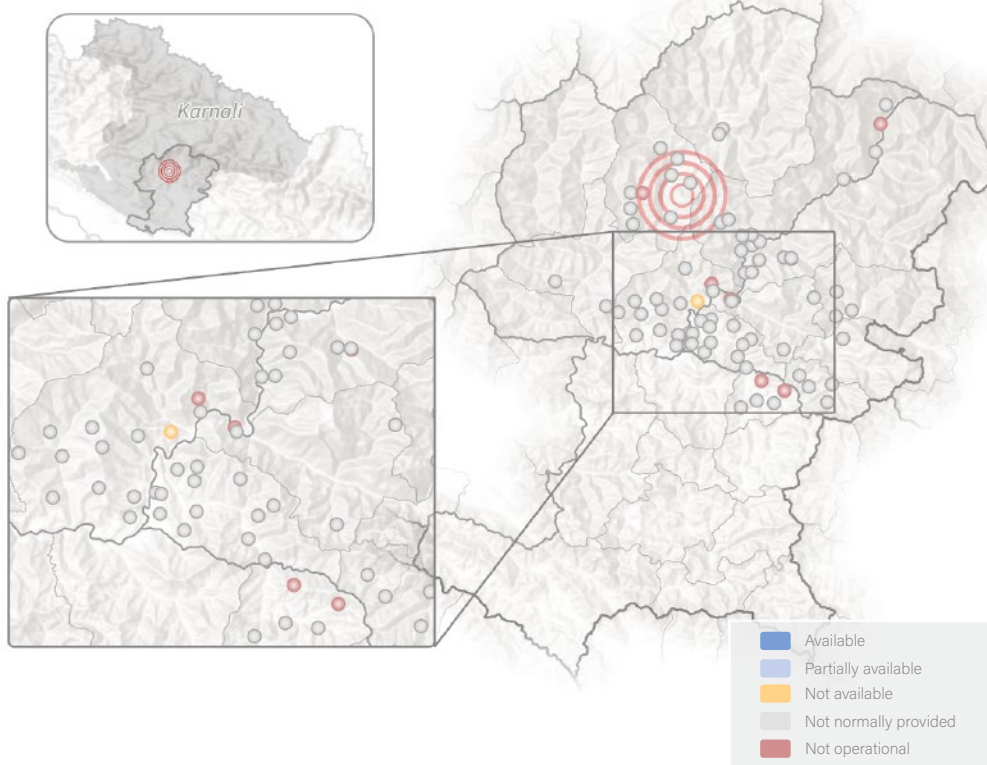


Lack of medical equipment



Lack of financial resources

Service availability by district



HSDU = 35
Jajarkot

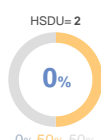


HSDU = 32
Rukum West

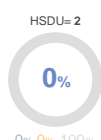


HSDU = 6
Salyan

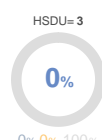
Service availability by HSDU type



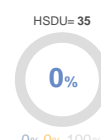
District Hospital



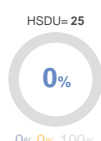
Municipal/Local level Hospital



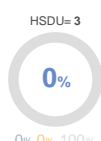
Primary Healthcare Center



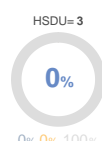
Health Post



Basic Health Service Centre

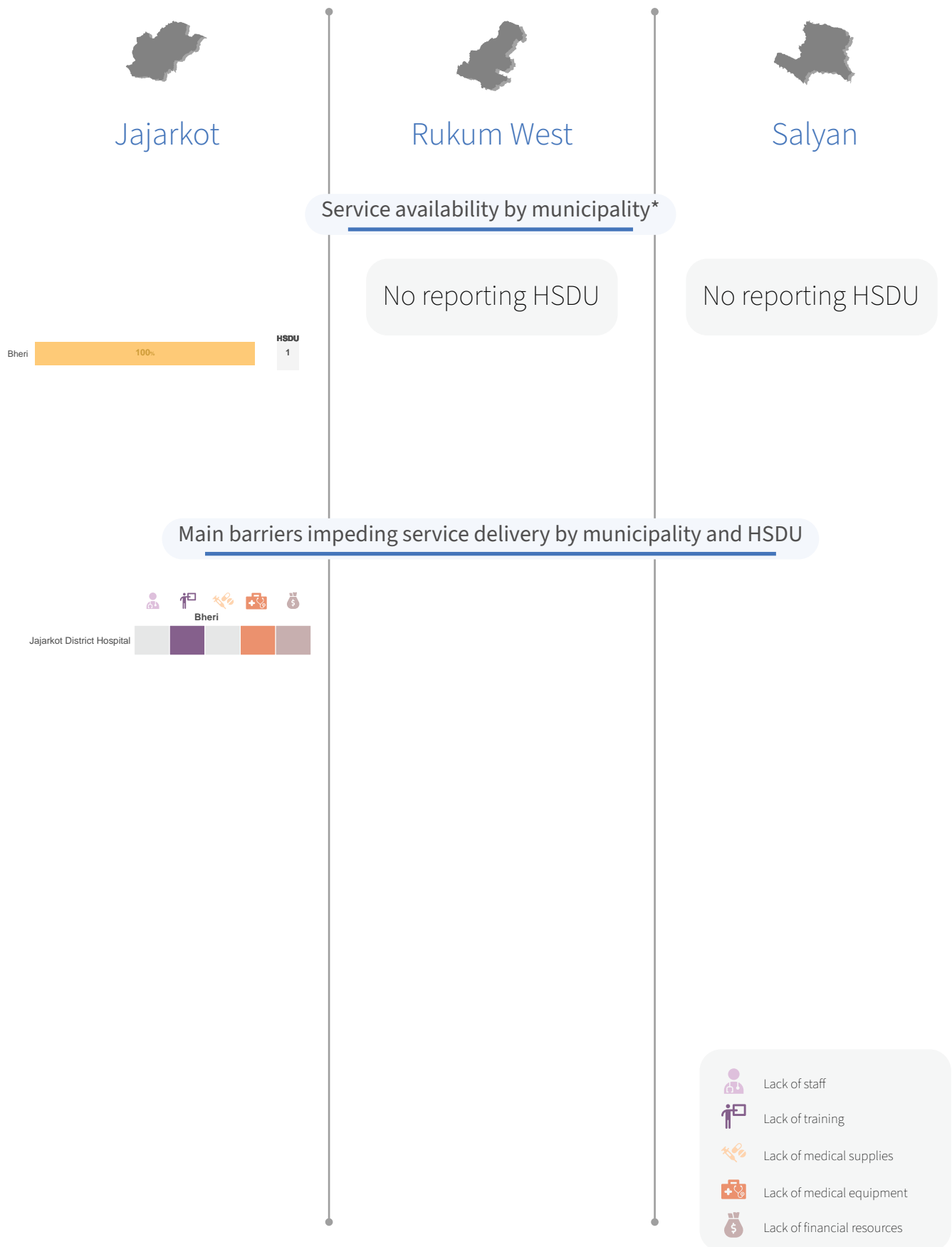


Urban Health Centre



Community Health Unit

²⁶ Inpatient critical care management with availability of mechanical ventilation, infusion pumps, and third-line emergency drugs.

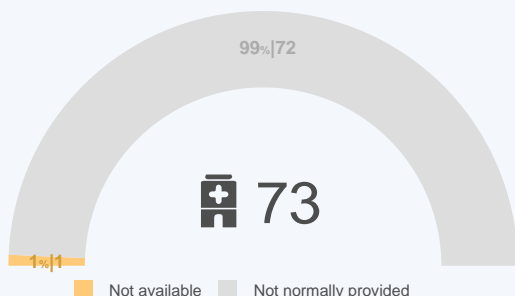


* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



INTENSIVE CARE UNIT

Service availability²⁷



Main barriers impeding service delivery

HSDU = 1



Lack of staff

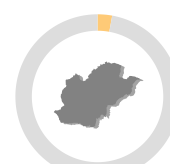
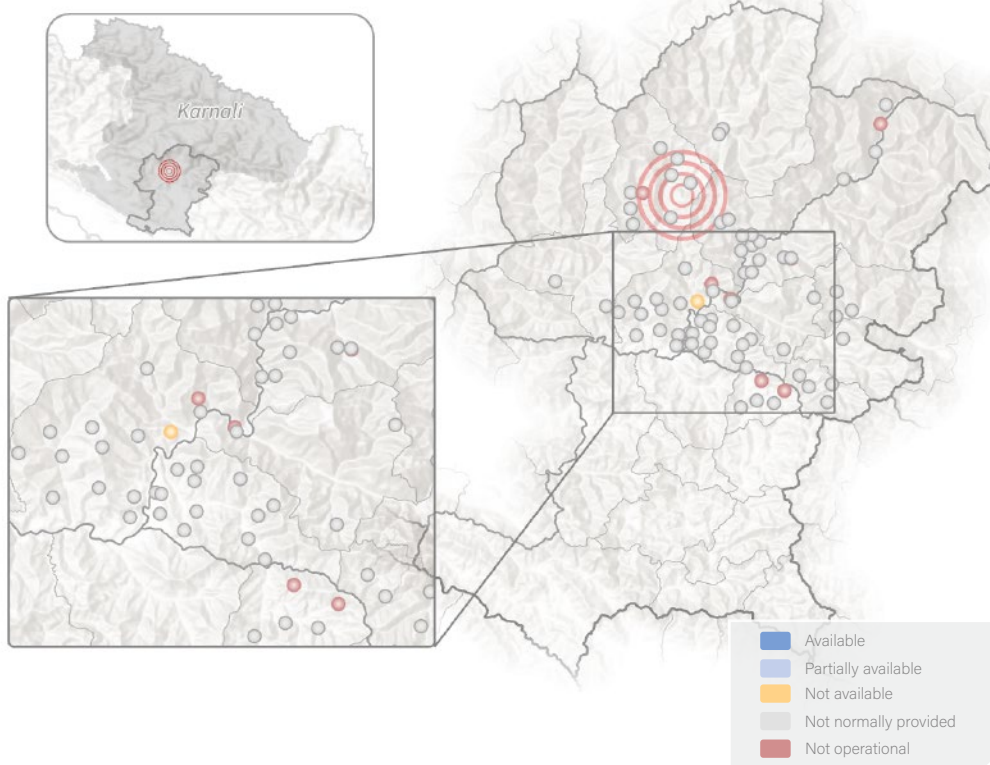


Lack of medical equipment



Lack of financial resources

Service availability by district



HSDU = 35
Jajarkot

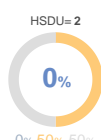


HSDU = 32
Rukum West

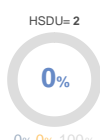


HSDU = 6
Salyan

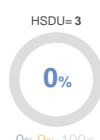
Service availability by HSDU type



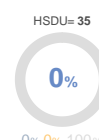
District Hospital



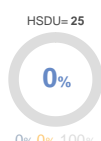
Municipal/Local level Hospital



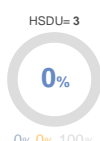
Primary Healthcare Center



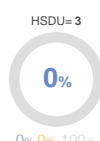
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

²⁷ Intensive care unit with at least 4 beds.

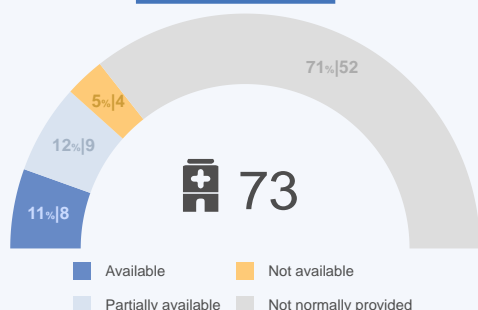


* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



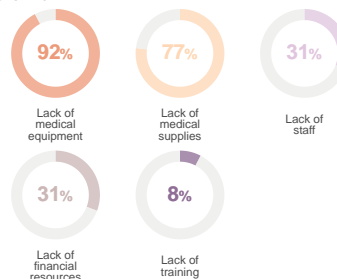
BASIC LABORATORY

Service availability²⁸

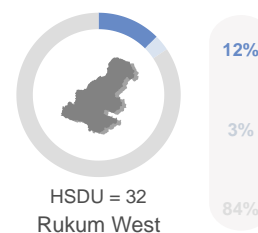
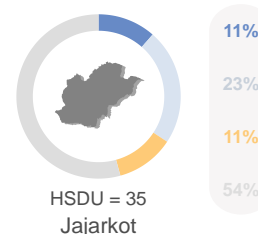
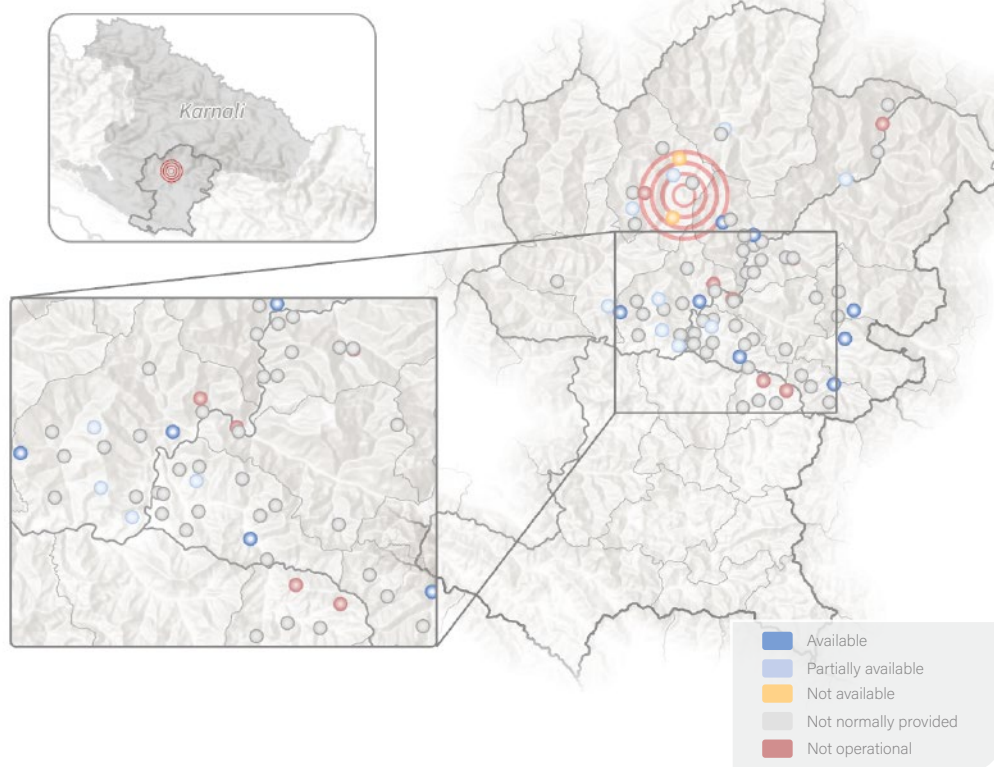


Main barriers impeding service delivery

HSDU = 13



Service availability by district



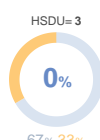
Service availability by HSDU type



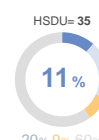
District Hospital



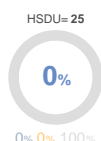
Municipal/Local level Hospital



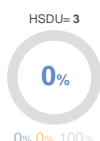
Primary Healthcare Center



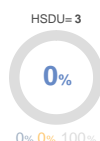
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

²⁸ Basic laboratory with general microscopy.

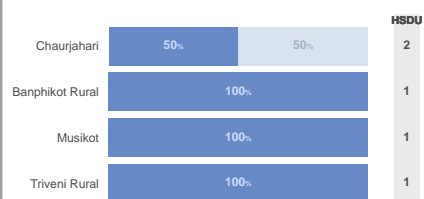
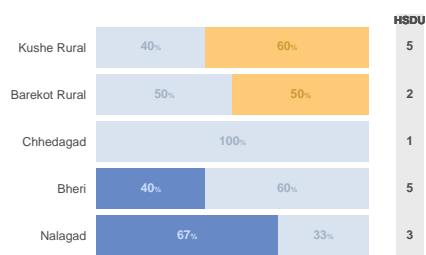


Jajarkot

Rukum West

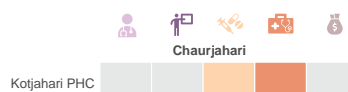
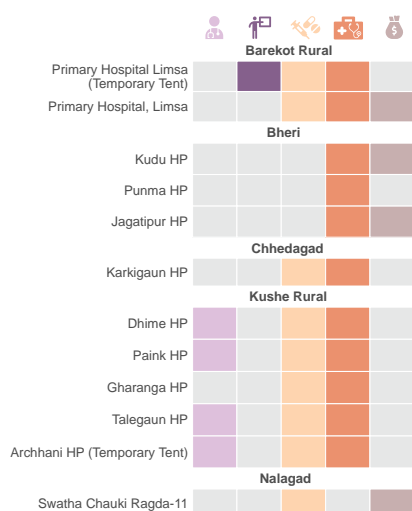
Salyan

Service availability by municipality*



No reporting HSDU

Main barriers impeding service delivery by municipality and HSDU



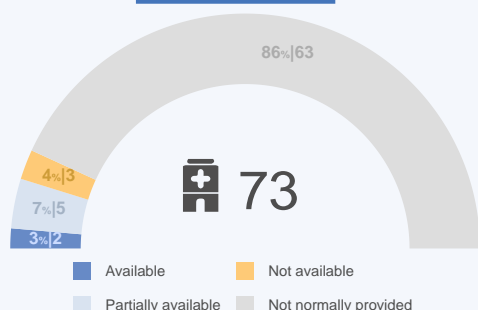
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



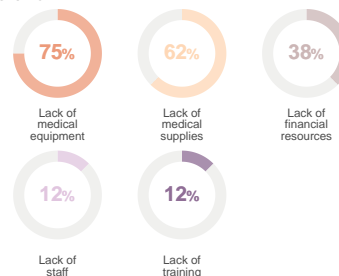
LABORATORY SERVICES SECONDARY LEVEL

Service availability²⁹

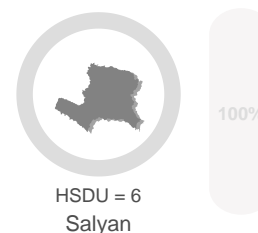
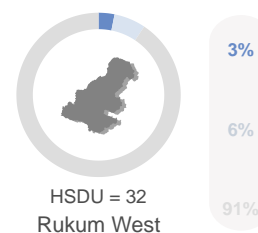
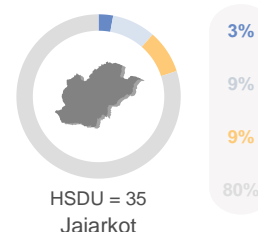
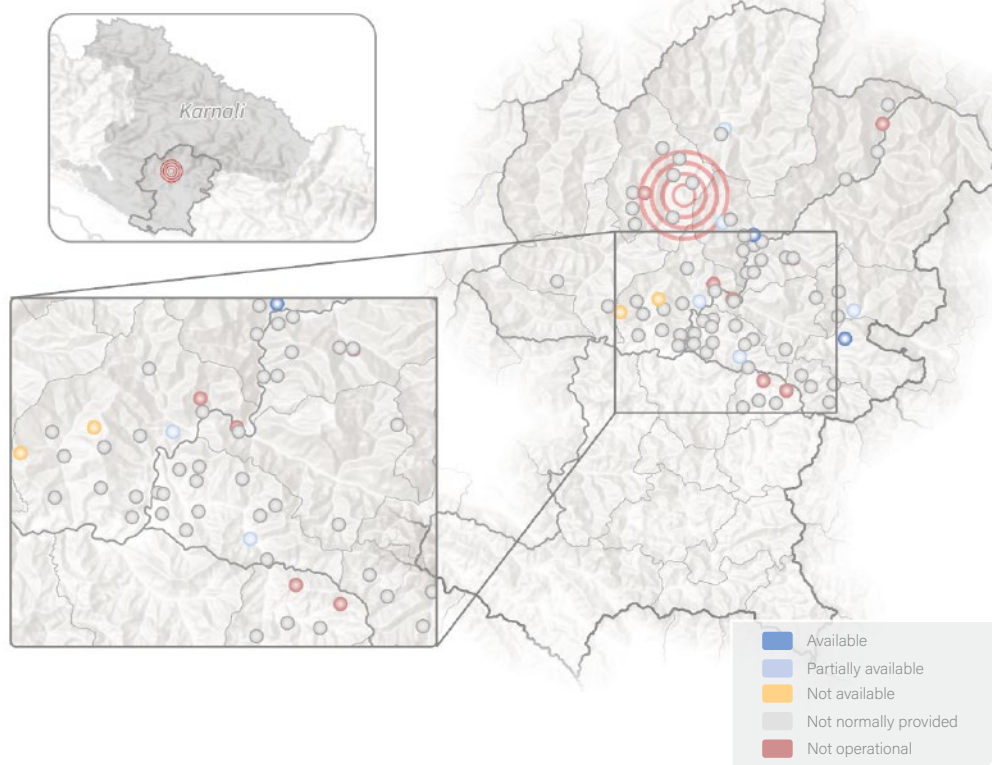


Main barriers impeding service delivery

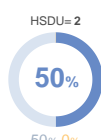
HSDU = 8



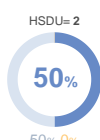
Service availability by district



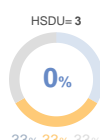
Service availability by HSDU type



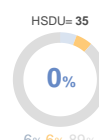
District Hospital



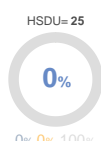
Municipal/Local level Hospital



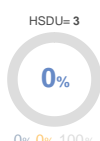
Primary Healthcare Center



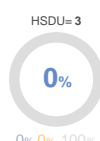
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

²⁹ Laboratory services secondary level.

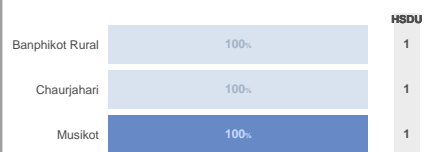
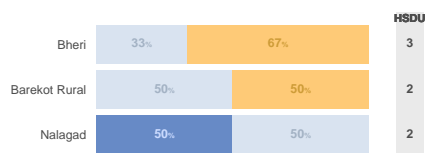


Jajarkot

Rukum West

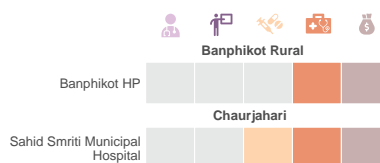
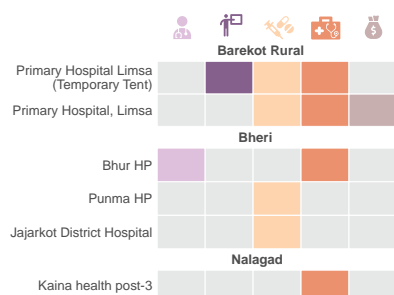
Salyan

Service availability by municipality*



No reporting HSDU

Main barriers impeding service delivery by municipality and HSDU



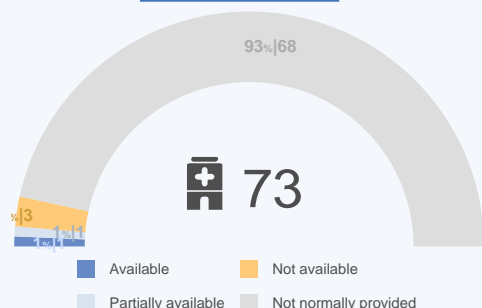
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



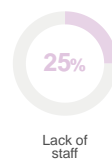
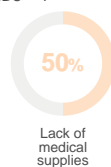
LABORATORY SERVICES TERTIARY LEVEL

Service availability³⁰

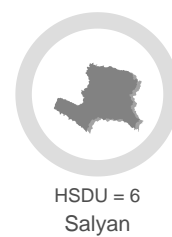
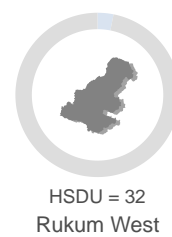
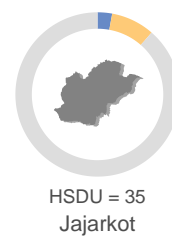
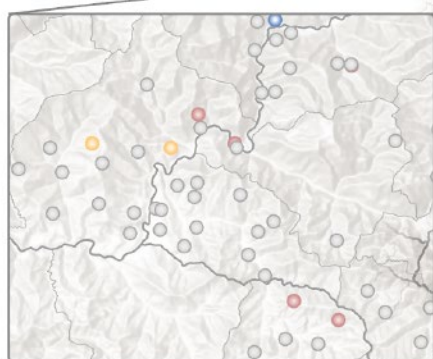


Main barriers impeding service delivery

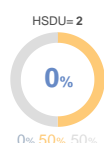
HSDU = 4



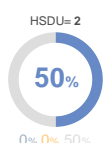
Service availability by district



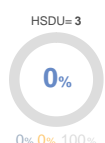
Service availability by HSDU type



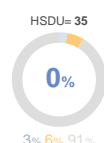
District Hospital



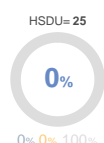
Municipal/Local level Hospital



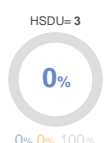
Primary Healthcare Center



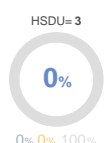
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

³⁰ Laboratory services tertiary level including electrolyte and blood gas concentrations, public health laboratory capacities.



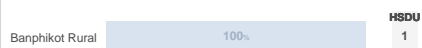
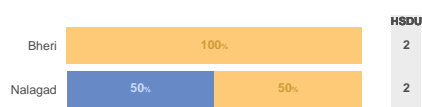
Jajarkot

Rukum West

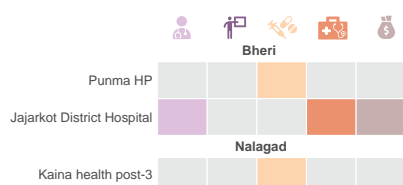
Salyan

Service availability by municipality*

No reporting HSDU



Main barriers impeding service delivery by municipality and HSDU



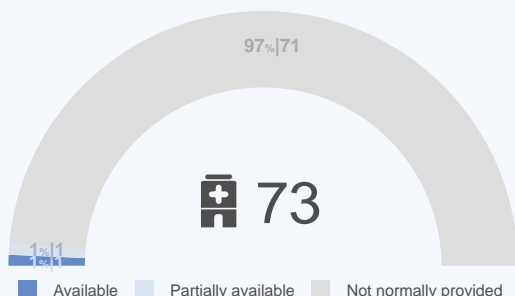
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



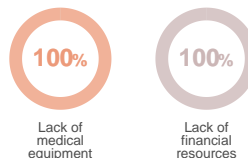
BLOOD BANK SERVICES

Service availability³¹

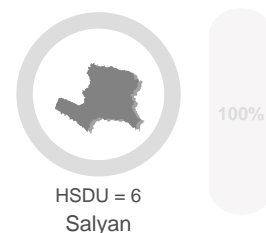
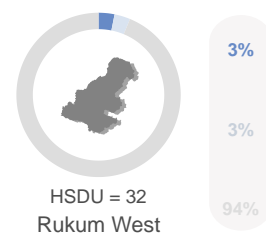
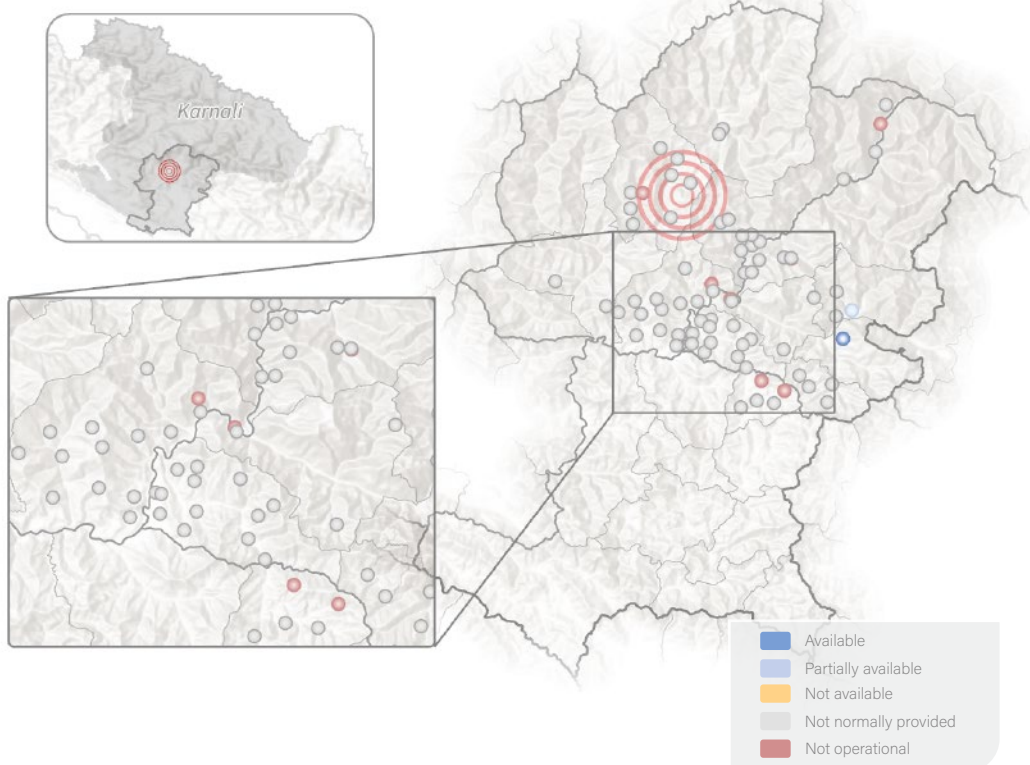


Main barriers impeding service delivery

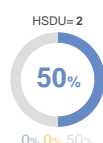
HSDU = 1



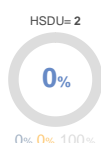
Service availability by district



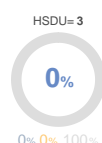
Service availability by HSDU type



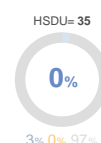
District Hospital



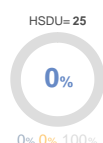
Municipal/Local level Hospital



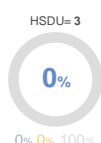
Primary Healthcare Center



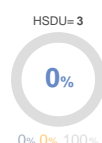
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

³¹ Blood bank services.



Jajarkot

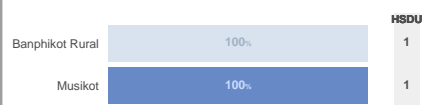
Rukum West

Salyan

Service availability by municipality*

No reporting HSDU

No reporting HSDU



Main barriers impeding service delivery by municipality and HSDU



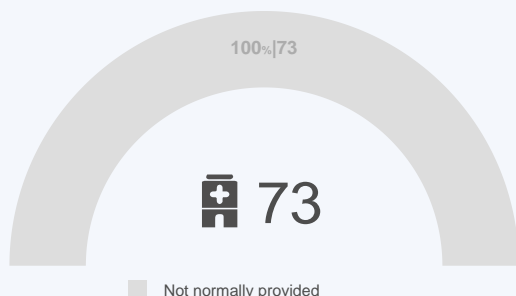
-  Lack of staff
-  Lack of training
-  Lack of medical supplies
-  Lack of medical equipment
-  Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



HEMODIALYSIS UNIT

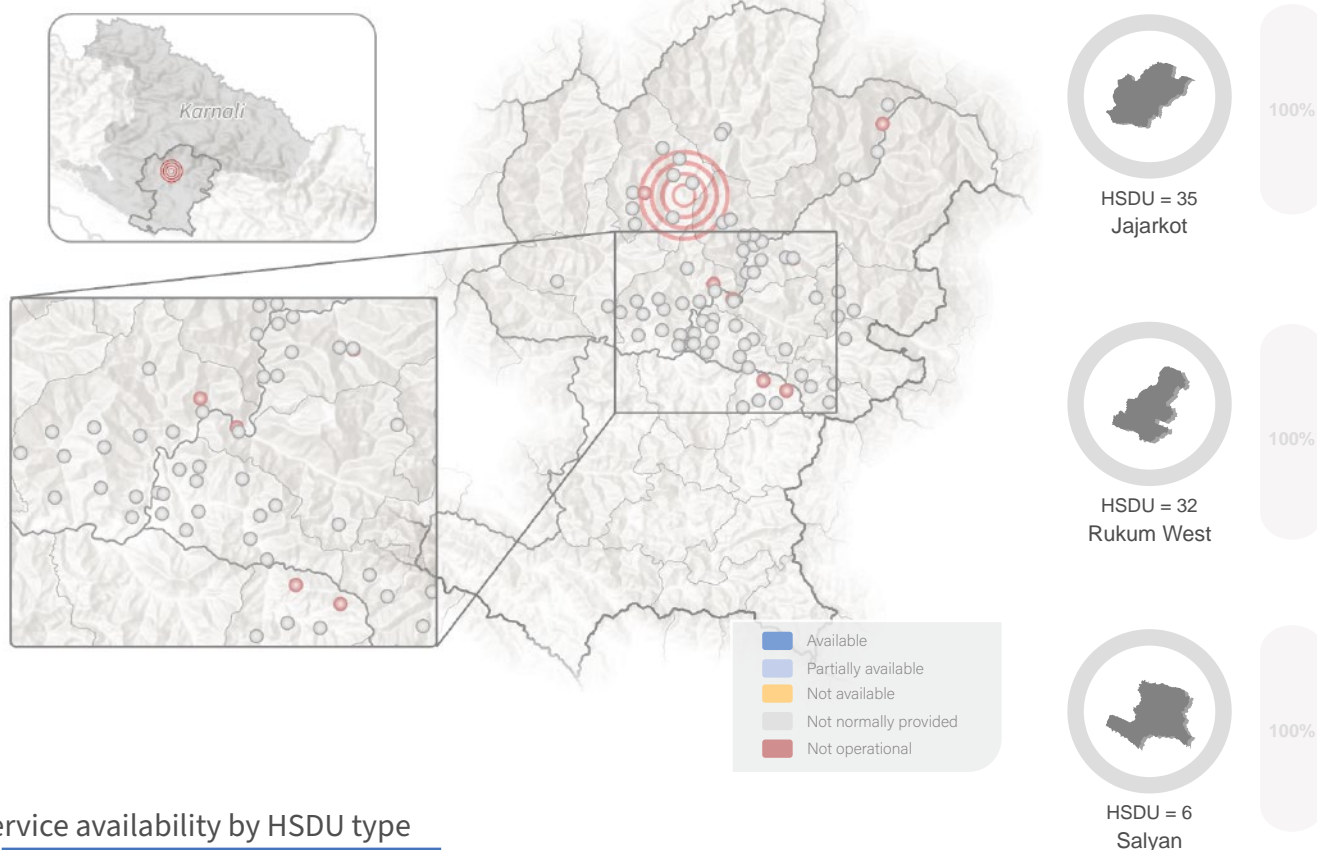
Service availability³²



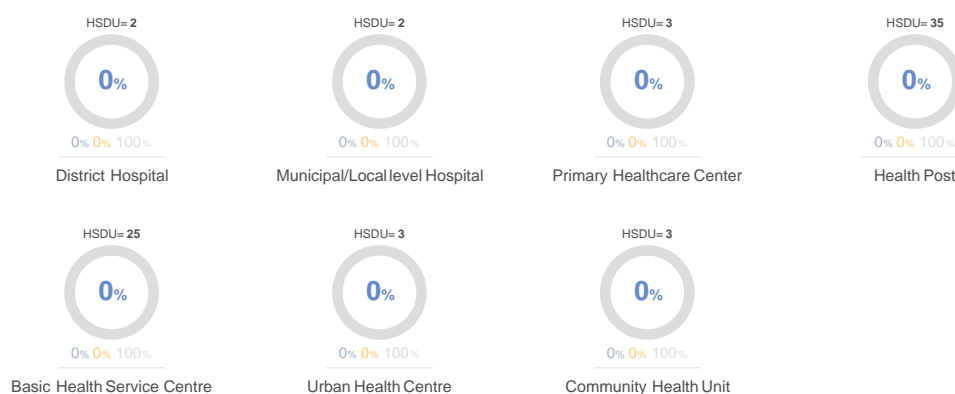
Main barriers impeding service delivery

No barriers reported

Service availability by district



Service availability by HSDU type



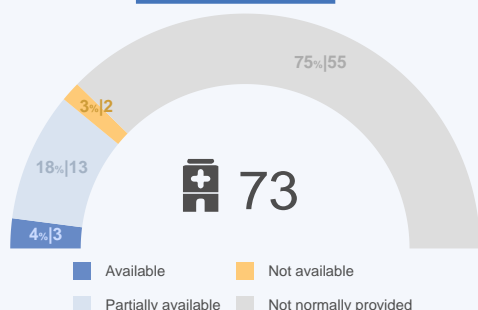
³² Hemodialysis unit.





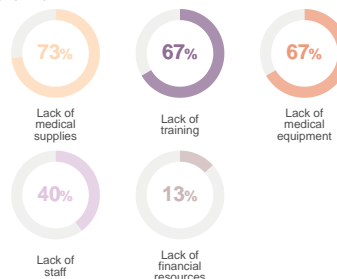
BASIC X-RAY SERVICE

Service availability³³

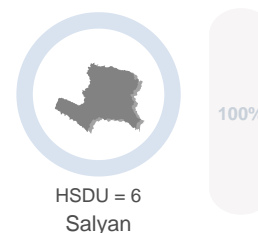
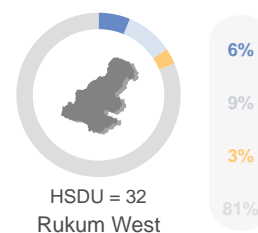
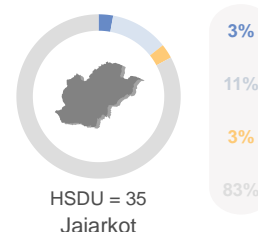
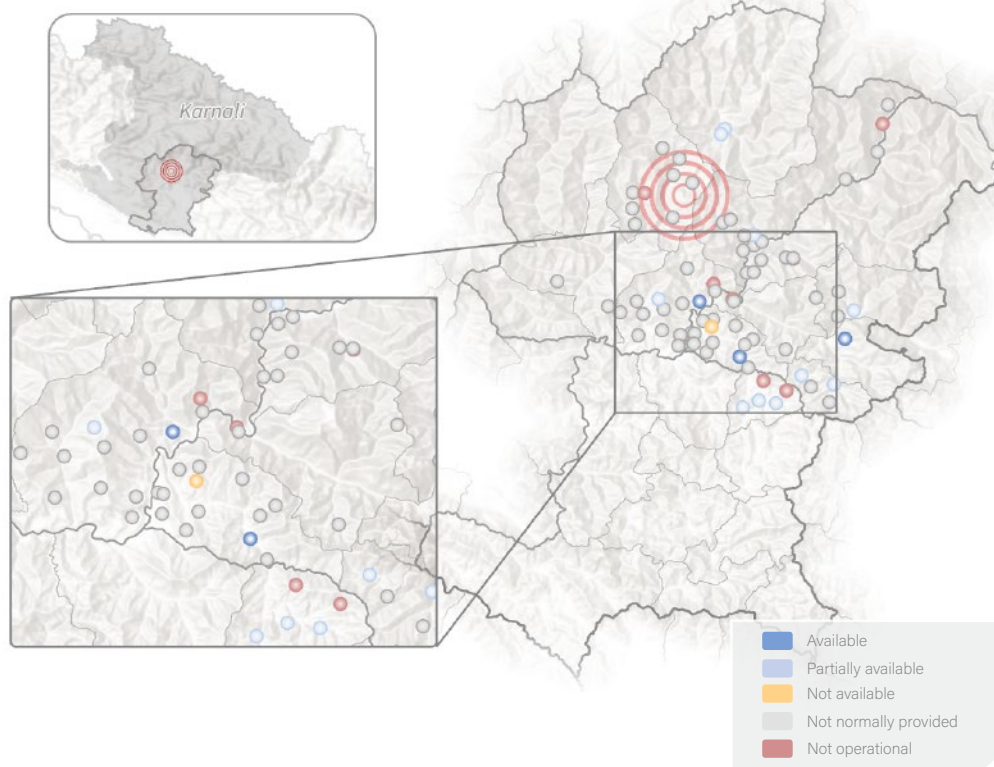


Main barriers impeding service delivery

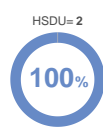
HSDU = 15



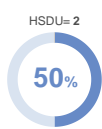
Service availability by district



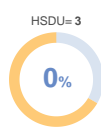
Service availability by HSDU type



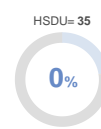
District Hospital



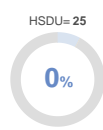
Municipal/Local level Hospital



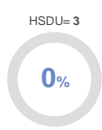
Primary Healthcare Center



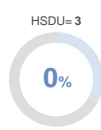
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

⁴⁸ X-ray service (basic radiological unit) and ultrasound.

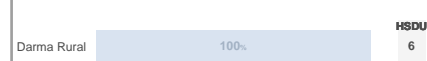
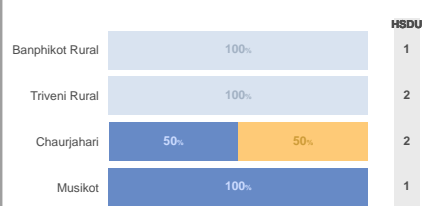
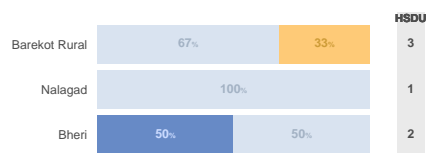


Jajarkot

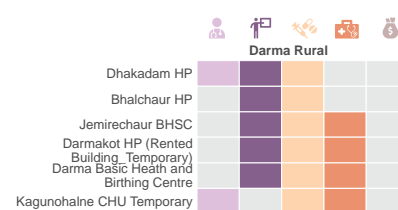
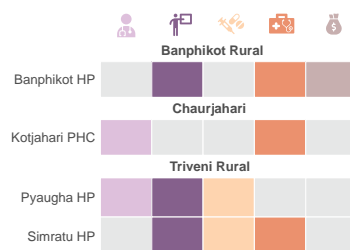
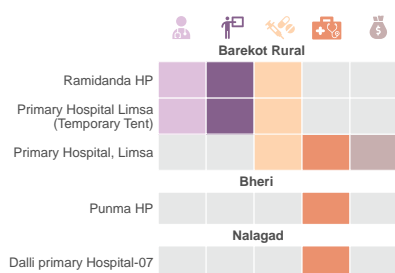
Rukum West

Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU



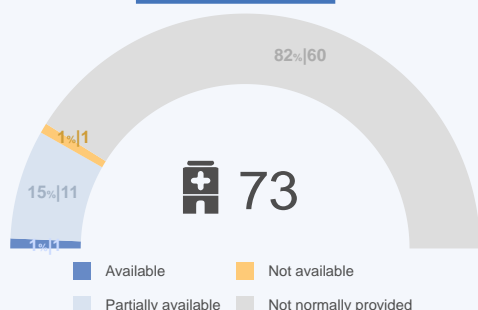
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



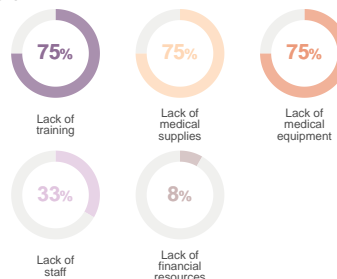
RADIOLOGY UNIT

Service availability³⁴

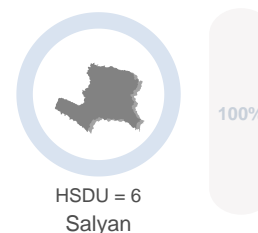
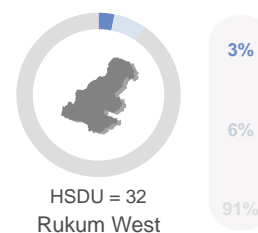
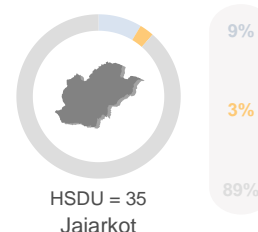
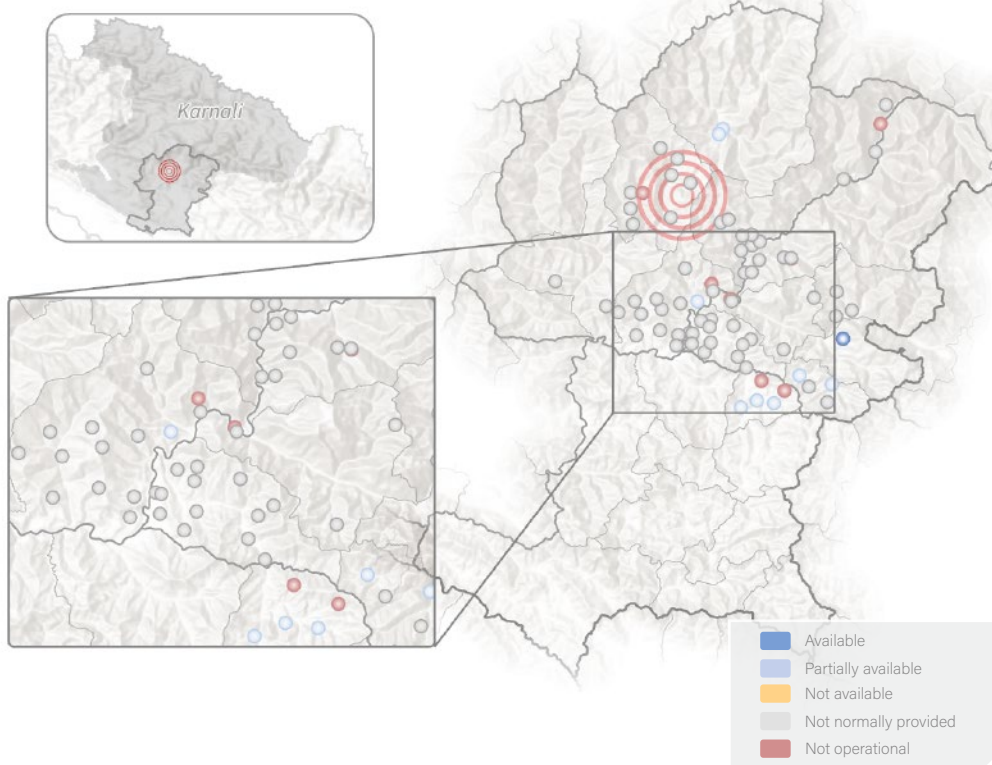


Main barriers impeding service delivery

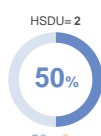
HSDU = 12



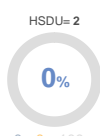
Service availability by district



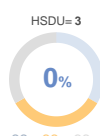
Service availability by HSDU type



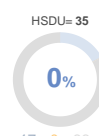
District Hospital



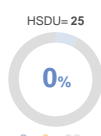
Municipal/Local level Hospital



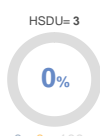
Primary Healthcare Center



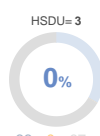
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

³⁴ Radiology unit with X-ray with stratigraphy, intraoperation X-ray intensifier, ultrasound, MRI and/or CT scan.

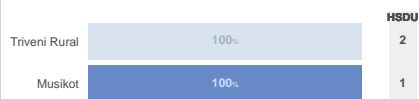
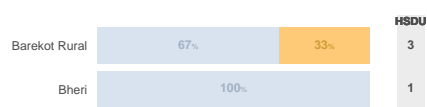


Jajarkot

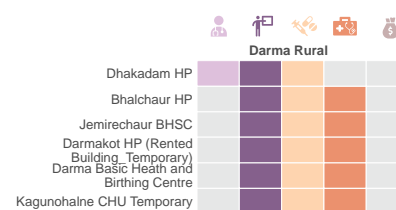
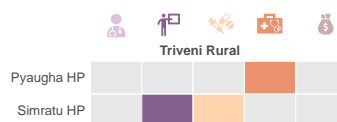
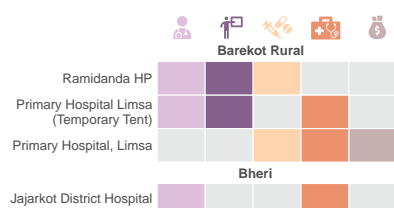
Rukum West

Salyan

Service availability by municipality*



Main barriers impeding service delivery by municipality and HSDU



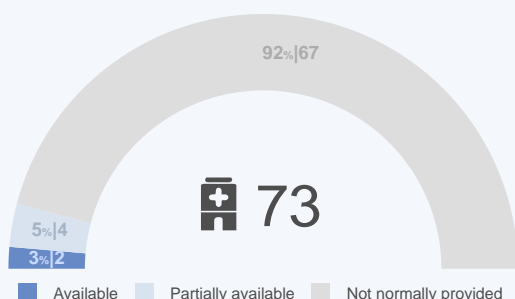
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



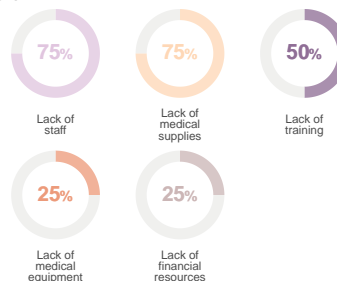
MEDICAL EVACUATION PROCEDURES

Service availability³⁵

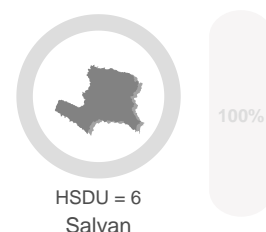
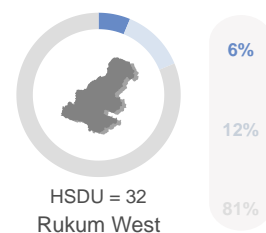
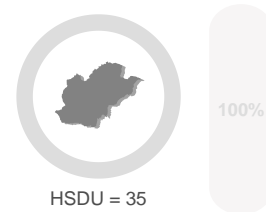
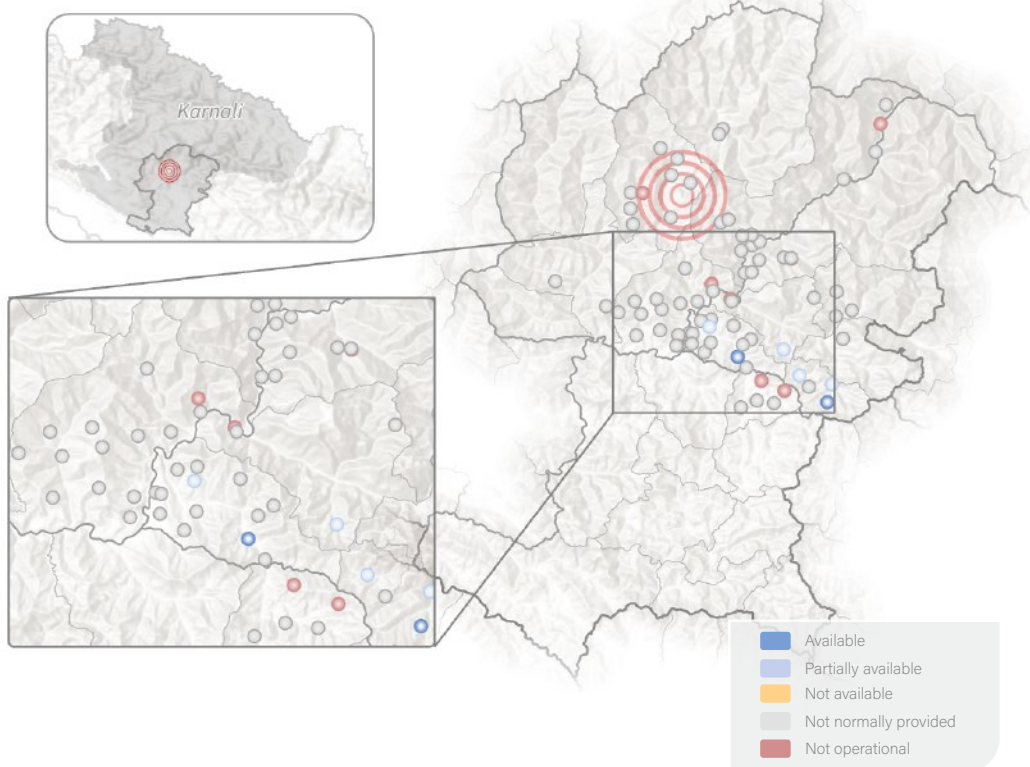


Main barriers impeding service delivery

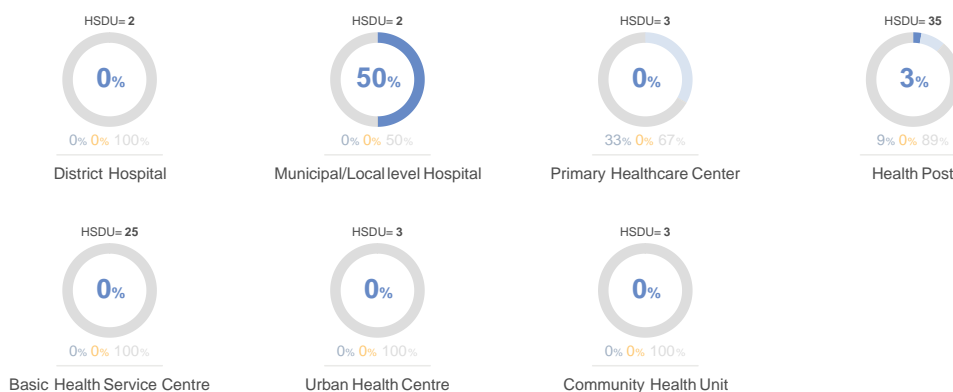
HSDU = 4



Service availability by district



Service availability by HSDU type



³⁵ Medical evacuation procedures (medevac) including means of transport and referral network for patients requiring highly specialized care.



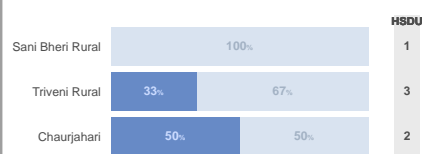
Jajarkot

Rukum West

Salyan

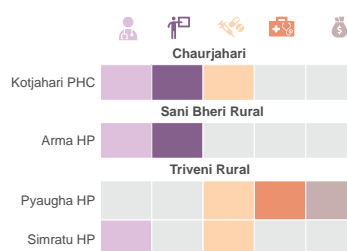
Service availability by municipality*

No reporting HSDU



No reporting HSDU

Main barriers impeding service delivery by municipality and HSDU



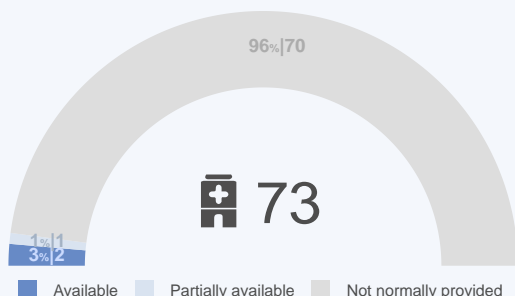
- Lack of staff
- Lack of training
- Lack of medical supplies
- Lack of medical equipment
- Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.



EARLY DISCHARGE IN MASS CASUALTY SCENARIOS

Service availability³⁶

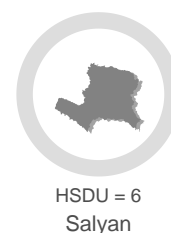
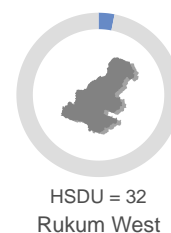
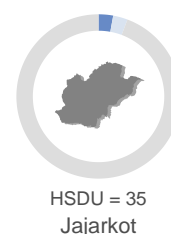
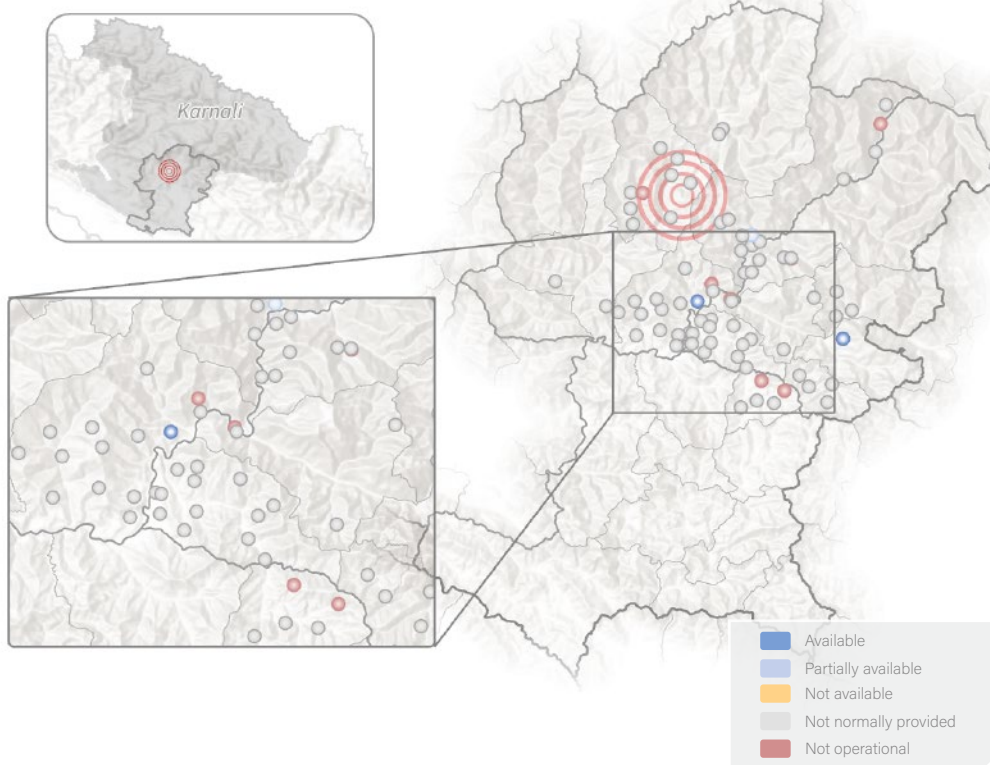


Main barriers impeding service delivery

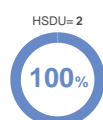
HSDU = 1



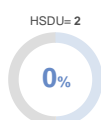
Service availability by district



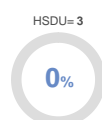
Service availability by HSDU type



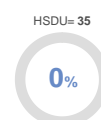
District Hospital



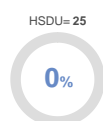
Municipal/Local level Hospital



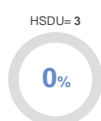
Primary Healthcare Center



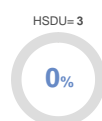
Health Post



Basic Health Service Centre



Urban Health Centre



Community Health Unit

³⁶ Procedures in place for early discharge of post-surgery patients through referral to secondary hospitals, in mass casualty scenario.

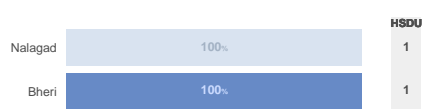


Jajarkot

Rukum West

Salyan

Service availability by municipality*



No reporting HSDU

Main barriers impeding service delivery by municipality and HSDU



No barriers reported

-  Lack of staff
-  Lack of training
-  Lack of medical supplies
-  Lack of medical equipment
-  Lack of financial resources

* HSDUs that did not report any data or that do not normally provide the service are excluded from the analysis.

