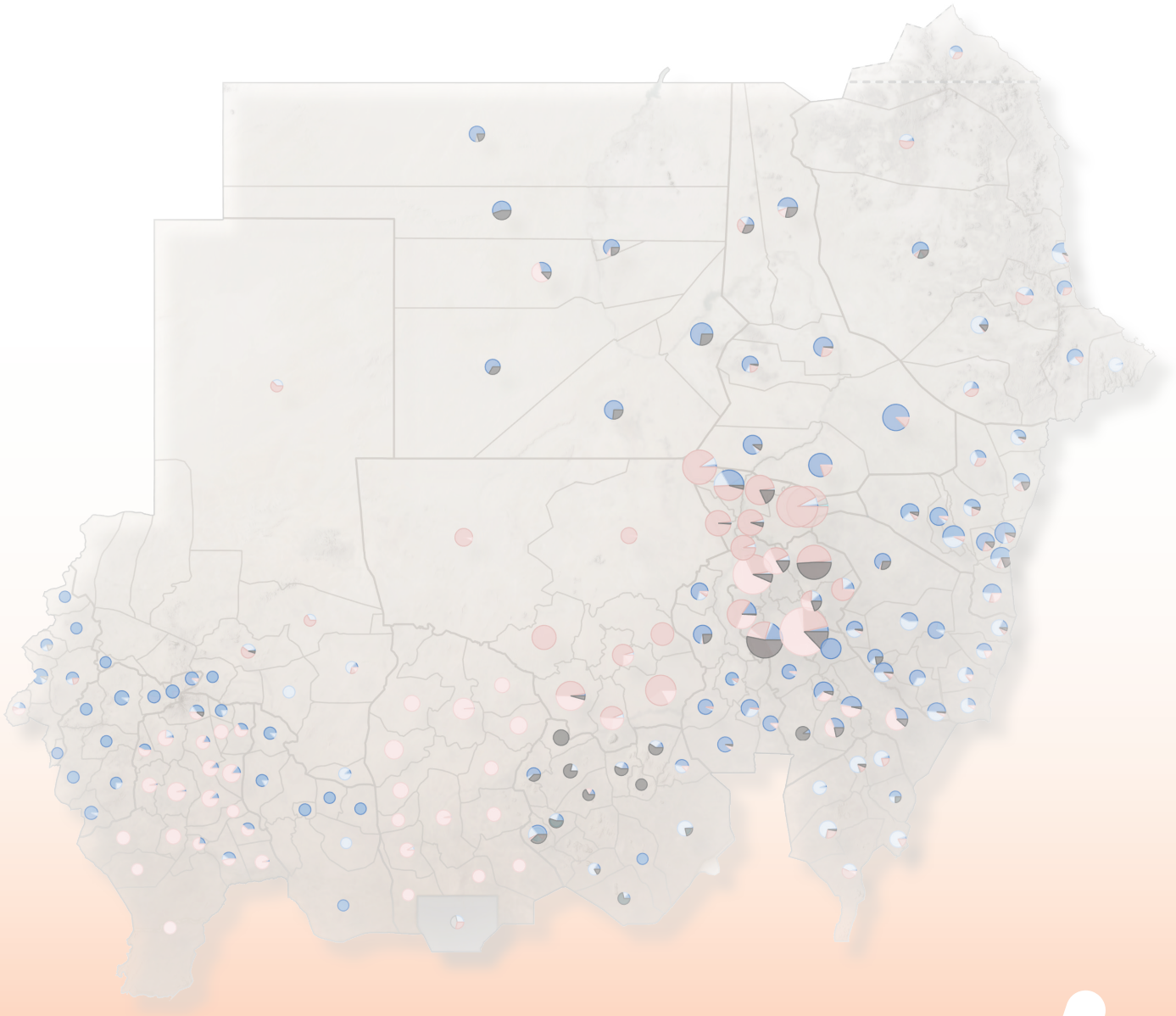
HeRAMS Sudan

Baseline report

2025



Communicable diseases

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

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HeRAMS Sudan
Baseline report
2025

Communicable diseases

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

وزارة الصحة الإتحادية

World Health Organization

HeRAMS
Health Resources and services Availability Monitoring system

ACRONYMS

HeRAMS	Health Resources and Services Availability Monitoring System
HSDU	Health Service Delivery Unit
RDT	Rapid Diagnostic Test
IEC	Information, Education, and Communication
MDRTB	Multi-Drug-Resistant Tuberculosis
TB	Tuberculosis
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 Sudan since 2023 and has allowed for the assessment of 4363 health service delivery units (HSDUs). This analysis was produced based on the data collected up to 01 July 2025. 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.

This is the fourth report of the **HeRAMS Sudan baseline report 2025** series, focusing on the availability of communicable diseases services. It is a continuation of the first report on the operational status of the health system[1] and should always be interpret in conjunction with results presented in the first report. Additional reports are available covering general clinical and trauma care service[2], essential child health and nutrition services[3], sexual and reproductive health services[4], and noncommunicable diseases and mental health services[5].

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 Sudan baseline report 2025 - Operational status of the health system: A comprehensive mapping of the operational status of HSDUs, https://www.who.int/publications/m/item/herams-sudan-baseline-report-2025-operational-status-of-the-health-system.

[2] HeRAMS Sudan baseline report 2025 - General clinical and trauma care: A comprehensive mapping of availability of essential services and barriers to their provision, https://www.who.int/publications/m/item/herams-sudan-baseline-report-2025-general-clinical-and-trauma-care.

[3] HeRAMS Sudan baseline report 2025 - Child health and nutrition: A comprehensive mapping of availability of essential services and barriers to their provision, https://www.who.int/publications/m/item/herams-sudan-baseline-report-2025-child-health-and-nutrition.

[4] HeRAMS Sudan baseline report 2025 - Sexual and reproductive health: A comprehensive mapping of availability of essential services and barriers to their provision, https://www.who.int/publications/m/item/herams-sudan-baseline-report-2025-sexual-and-reproductive-health.

[5] HeRAMS Sudan baseline report 2025 - Noncommunicable diseases and mental health: A comprehensive mapping of availability of essential services and barriers to their provision, https://www.who.int/publications/m/item/herams-sudan-baseline-report-2025-noncommunicable-diseases-and-mental-health.

OVERVIEW OF HSDUS EVALUATED

Data collection summary [6]

6674 HSDUs targeted

642 Closed
15 Planned
1654 Not reporting

4363 HSDUs reporting

Building condition

119 Fully damaged
1140 Partially damaged

Equipment condition

234 Fully damaged
885 Partially damaged

Functionality

1615 Non-Functioning
527 Partially Functioning

Accessibility

65 Inaccessible
180 Partially accessible

HSDUs at least partially operational
(out of 4363 HSDUs assessed)

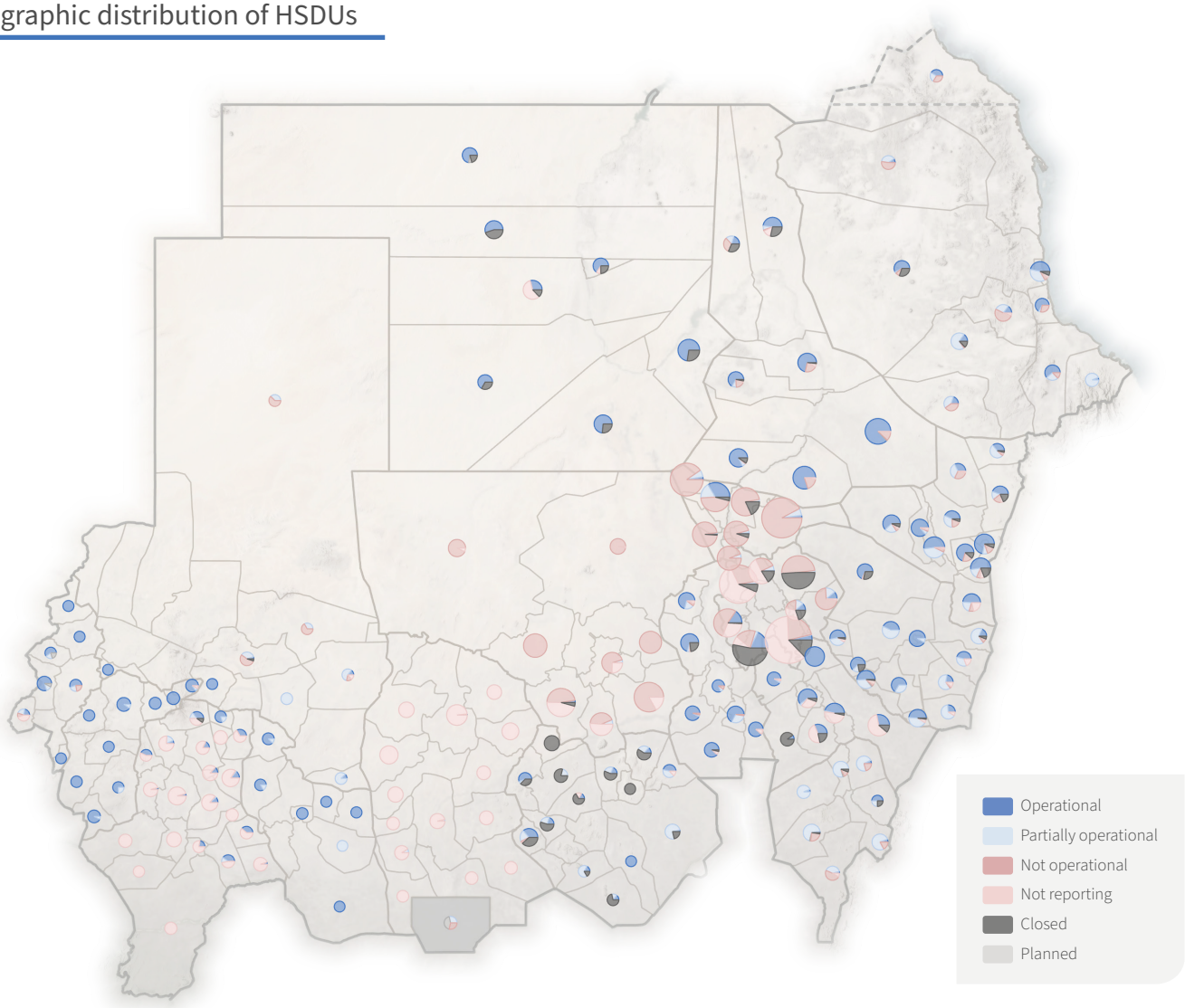
[6] HSDUs (Health Service Delivery Units) reported as destroyed, non-functioning, or inaccessible are deemed unable to provide any health services, hence categorized as non-operational. Consequently, reporting ends upon confirmation of an HSDU's non-operational status.

Reporting frequency and operational status by state

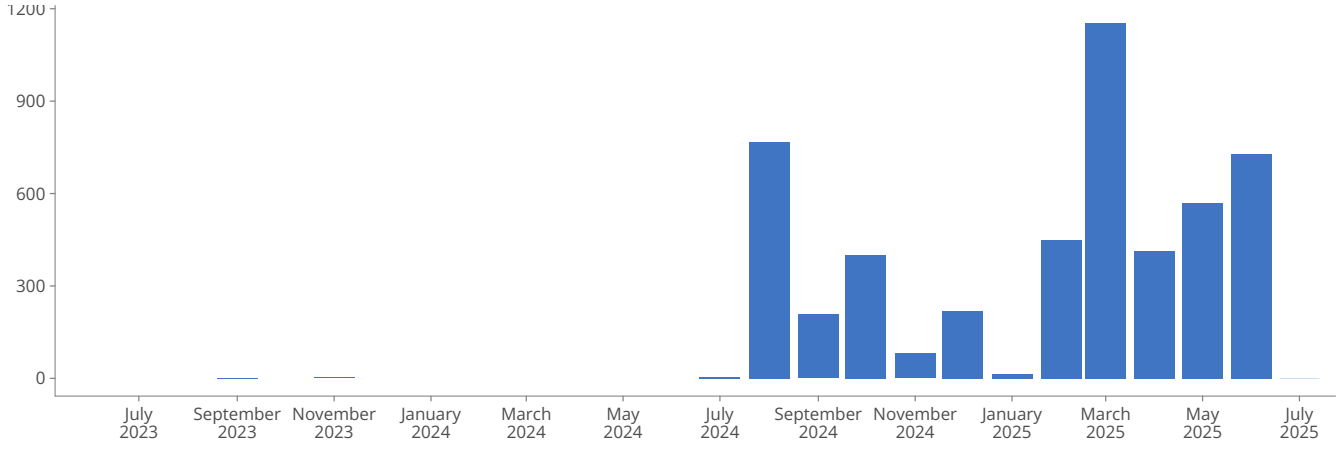
	Hospital				Rural hospital				Family health unit				Family health center				Other				Total			
	O	N/O	N/R	P/C	O	N/O	N/R	P/C	O	N/O	N/R	P/C	O	N/O	N/R	P/C	O	N/O	N/R	P/C	O	N/O	N/R	P/C
ABYEI PCA	-	-	-	-	1	-	-	-	2	-	-	1	1	2	-	2	-	2	-	3	**4**	**4**	-	**6**
AJ JAZIRAH	10	3	12	9	20	12	18	16	27	169	178	97	52	177	176	109	-	-	-	-	**109**	**361**	**384**	**231**
BLUE NILE	5	-	-	-	8	1	-	-	56	24	2	2	66	12	-	4	3	-	-	-	**138**	**37**	**2**	**6**
CENTRAL DARFUR	3	-	-	-	1	-	-	-	32	-	-	-	42	-	1	-	6	-	-	-	**84**	**-**	**1**	**-**
EAST DARFUR	-	-	-	-	1	-	-	-	4	-	-	-	19	-	-	-	2	-	-	-	**26**	**-**	**-**	**-**
GEDAREF	6	-	-	-	30	-	-	-	206	6	18	18	114	-	1	3	-	-	-	-	**356**	**6**	**19**	**21**
KASSALA	29	-	4	-	14	2	-	2	148	36	13	13	202	13	9	18	-	-	-	1	**393**	**51**	**26**	**34**
KHARTOUM	16	66	-	4	11	4	-	-	4	160	-	10	74	489	-	18	-	-	-	-	**105**	**719**	**-**	**32**
NORTH DARFUR	3	-	-	-	-	-	-	-	16	8	1	-	15	13	-	-	2	-	-	1	**36**	**21**	**1**	**1**
NORTH KORDOFAN	1	3	1	-	5	16	6	-	2	294	72	1	3	149	58	-	-	12	-	4	**11**	**474**	**137**	**5**
NORTHERN	4	-	-	-	22	-	2	-	89	-	23	76	77	-	10	11	-	-	-	-	**192**	**-**	**35**	**87**
RED SEA	11	-	2	-	13	3	-	2	76	49	-	12	110	11	3	5	3	-	-	-	**213**	**63**	**5**	**19**
RIVER NILE	3	-	-	1	27	1	1	-	76	20	9	21	196	33	6	13	-	-	-	-	**302**	**54**	**16**	**35**
SENNAR	7	-	-	2	19	-	-	1	53	-	103	25	101	-	11	14	-	-	-	-	**180**	**-**	**114**	**42**
SOUTH DARFUR	1	-	1	-	4	-	10	-	15	-	200	-	48	-	144	2	-	-	-	-	**68**	**-**	**355**	**2**
SOUTH KORDOFAN	3	-	-	-	1	-	-	2	39	1	4	77	67	-	-	42	-	-	-	-	**110**	**1**	**4**	**121**
WEST DARFUR	3	-	-	-	4	-	-	-	2	-	2	-	32	3	2	1	2	-	-	2	**43**	**3**	**4**	**3**
WEST KORDOFAN	1	-	5	-	2	-	19	-	-	-	151	-	1	-	206	-	-	-	-	-	**4**	**-**	**381**	**-**
WHITE NILE	21	-	1	-	1	-	-	-	105	4	5	12	63	1	2	-	-	-	-	-	**190**	**5**	**8**	**12**
GRAND TOTAL	127	72	39	16	184	39	56	23	952	771	858	365	1283	903	701	242	18	14	-	11	**2564**	**1799**	**1654**	**657**

O = At least partially operational - **N/O** = Not operational - N/R = Not reporting - **P/C** = Planned / closed

Geographic distribution of HSDUs



Date of last update



OVERVIEW OF SERVICE AVAILABILITY

Service availability and main barriers

Service	Availability (%)					Barriers (%)				
Syndromic surveillance	21	2	6	30	41	56	68	25	20	64
Event-based surveillance	30		2	4	21	41	62	69	22	21	68
Malaria at the community level	18	8	3	29	41	23	35	82	57	36
Malaria at the primary care level	28	10	2	19	41	8	13	89	62	22
Vector control	7	6	7	40	41	26	13	55	55	39
Support mass drug administration	5	1	3	50	41	41	15	71	57	37
Tuberculosis	3	2	5	49	41	29	22	94	59	39
Multidrug-resistant tuberculosis	2	2	55	41	51	10	88	61	20
IEC on local priority diseases	17	4	3	36	41	26	16	61	50	43
Local priority diseases	14	4	3	38	41	31	21	81	49	19
Management of severe and/or complicated communicable diseases	4	2	1	52	41	22	40	76	49	22
Isolation unit or room	2	1	54	41	25	14	62	58	52

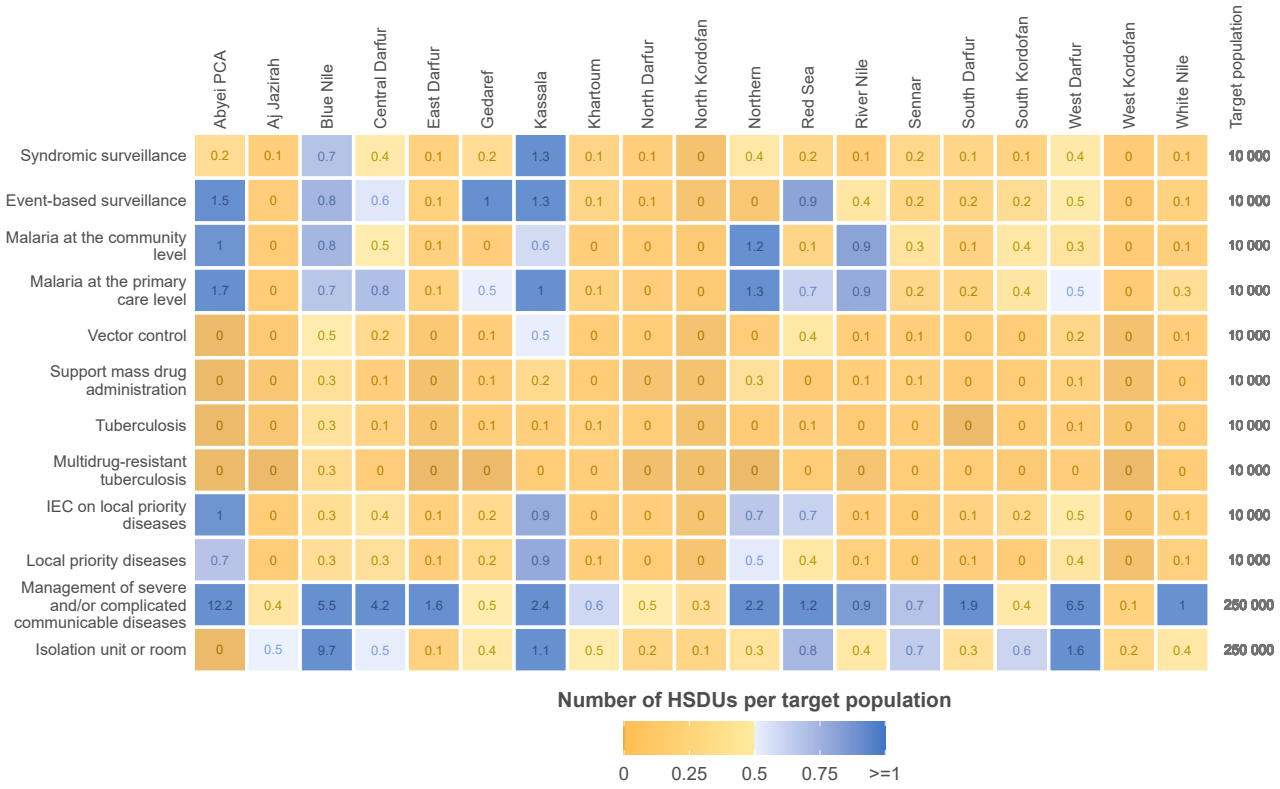
Availability status

Available
Partially available
Not available
Not operational

Barriers *for partial availability or non-availability.*

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

Number of HSDUs providing services per target population [7]



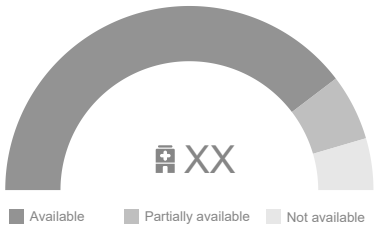
[7] To account for partially available services, a weighing was applied with a weight of 1 given to services reported as fully available and 0.5 for partially available services. As target populations may vary across services, an additional column has been included to the right of the graph to assist readers in comprehending the target populations associated with each service. See Annex I for population estimates per state.

IN-DEPTH ANALYSIS BY HEALTH SERVICE

INTERPRETATION GUIDE

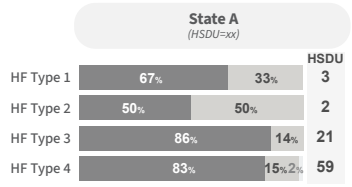
Service status

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.



For further insights, donut charts break down service availability by HSDU type. 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.

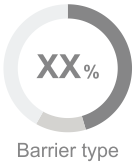
Column charts offer a breakdown of service availability by state. The numbers represented by the bars indicate the count of HSDUs that fall into the specified availability category. The length of each bar is determined by the total number of HSDUs in the state. The total number of HSDUs included in each state is indicated under the state name.



Column charts by HSDU type display the availability of services by state and HSDU type. Each bar represents the percentage of HSDU falling into each category for the specified HSDU type and state. The grey bar on the right shows the number of HSDU falling into the category. By default these charts exclude HSDUs where a service was not normally provided or the HSDU did not report on it.

Maps use pie charts to depict the availability of an service at the locality level. The size of each circle represents the total number of HSDUs in the locality, while each slice reflects a specific availability level.

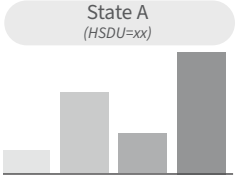
Barriers



To gain a more comprehensive understanding of the challenges faced by HSDUs, whenever a service was not or only partially available, main barriers impeding availability were recoded.

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.

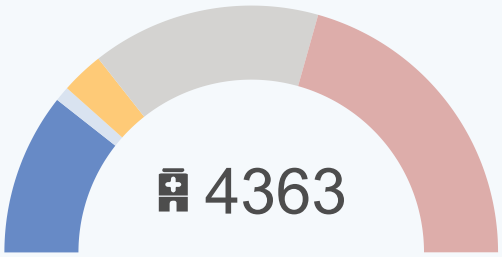
Bar charts further break down barriers by state. Each bar represents a specific barrier, with the percentage value indicating the proportion of HSDUs reporting that particular barrier. Additionally, the number of HSDUs reporting at least one barrier is displayed below the Locality's name.



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%.

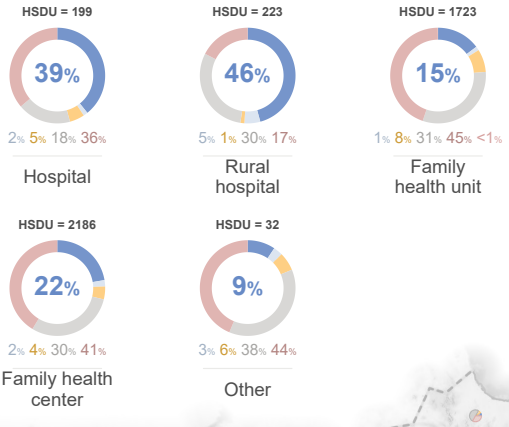
SYNDROMIC SURVEILLANCE

Service availability[8]

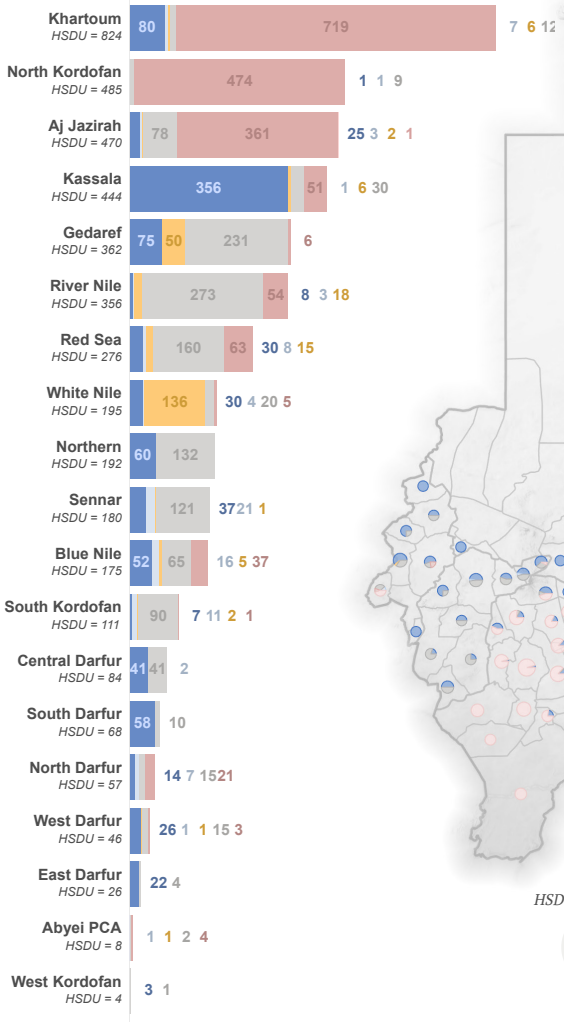


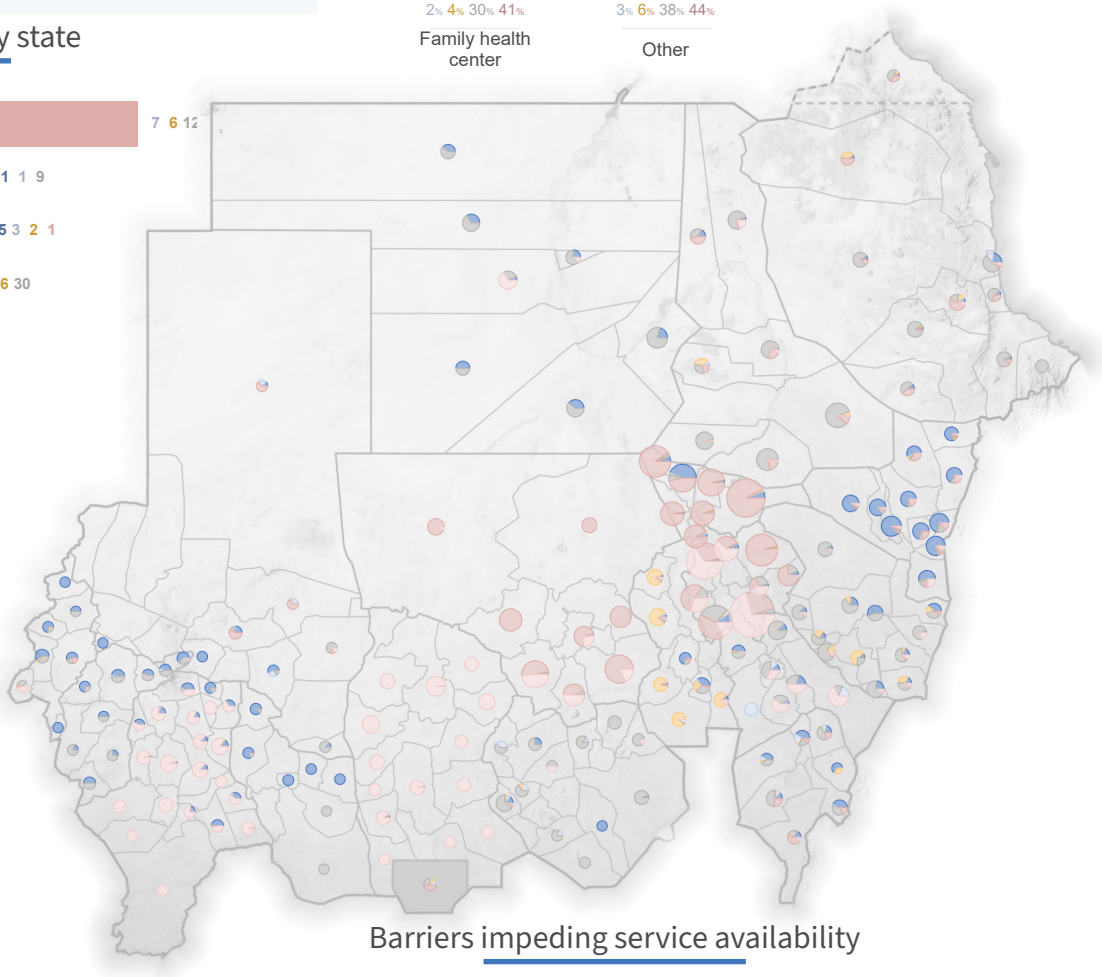
Labels	
21%	925
2%	86
6%	243
30%	1309
41%	1799
<0.1%	1

Service availability by HSDU type

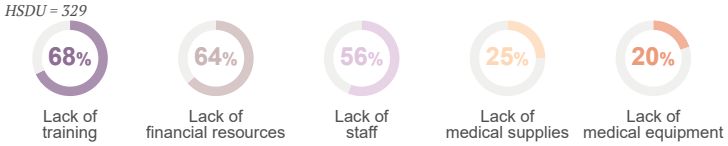


Service availability by state





Barriers impeding service availability



8 Regular reporting sentinel site for syndromic surveillance of local relevant diseases/conditions.

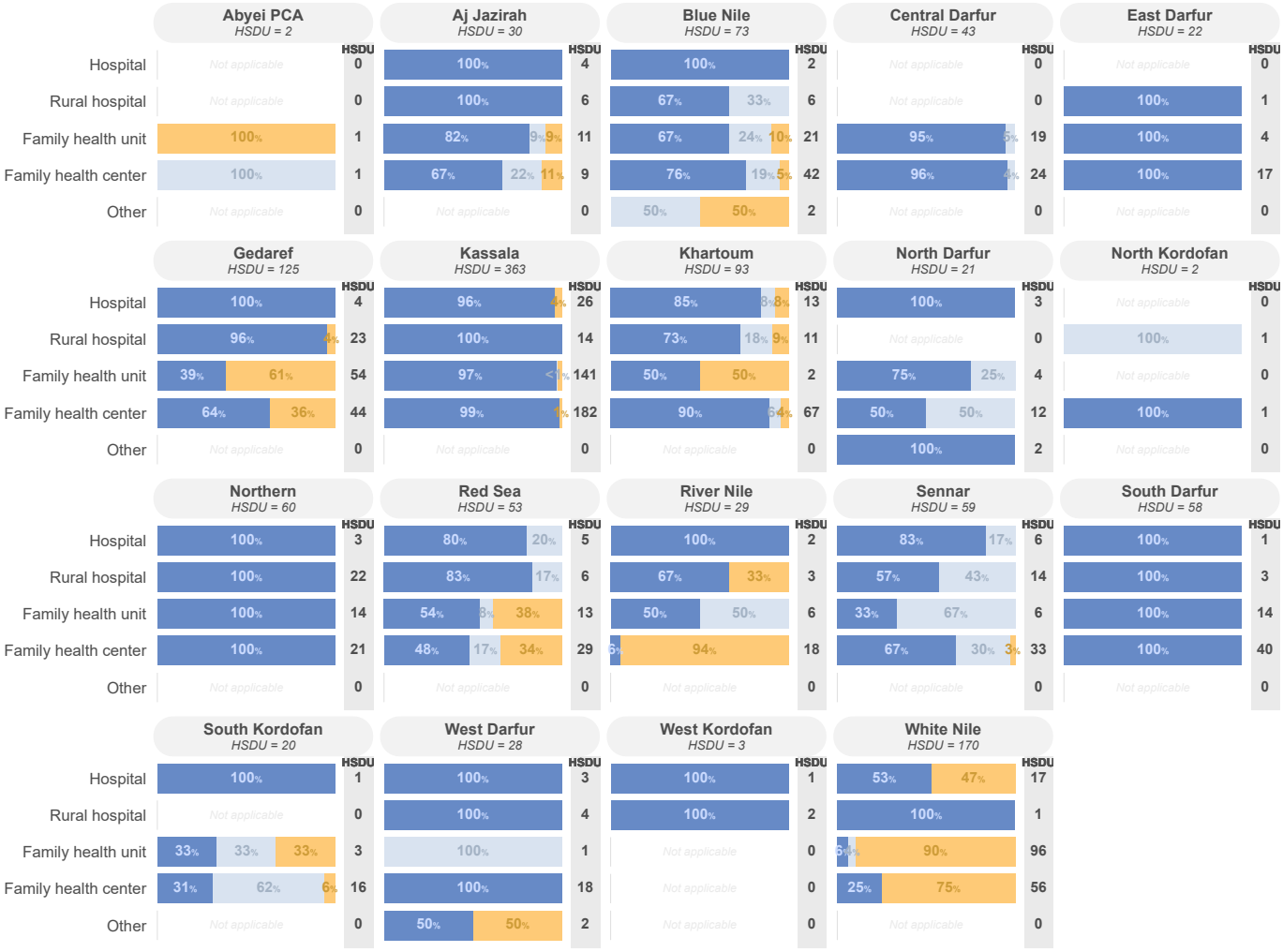
Availability status

- Available
- Partially available
- Not available
- Not normally provided
- Not operational

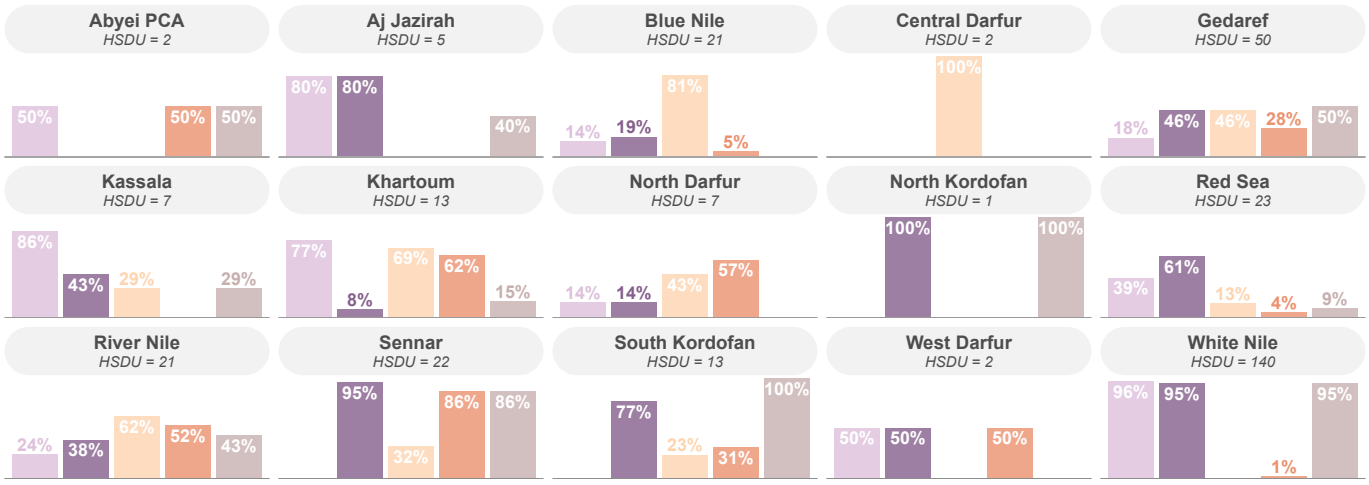
Maps

- Not reporting
- Number of HSDUs: 1, 120, 240

Service availability by HSDU type and state*



Barriers impeding service availability by state



Availability status

- Available
- Partially available
- Not available

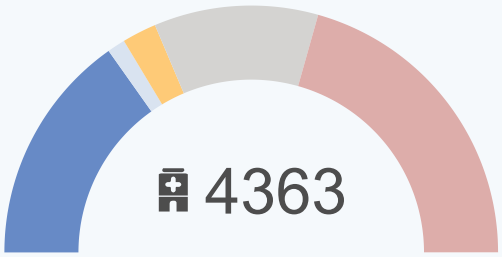
Barriers *for partial availability or non-availability.*

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

* Non-operational HSDU and those not normally providing the service are excluded from this chart.

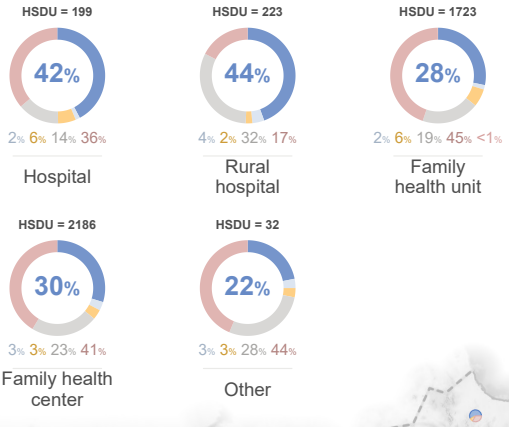
EVENT-BASED SURVEILLANCE

Service availability[9]

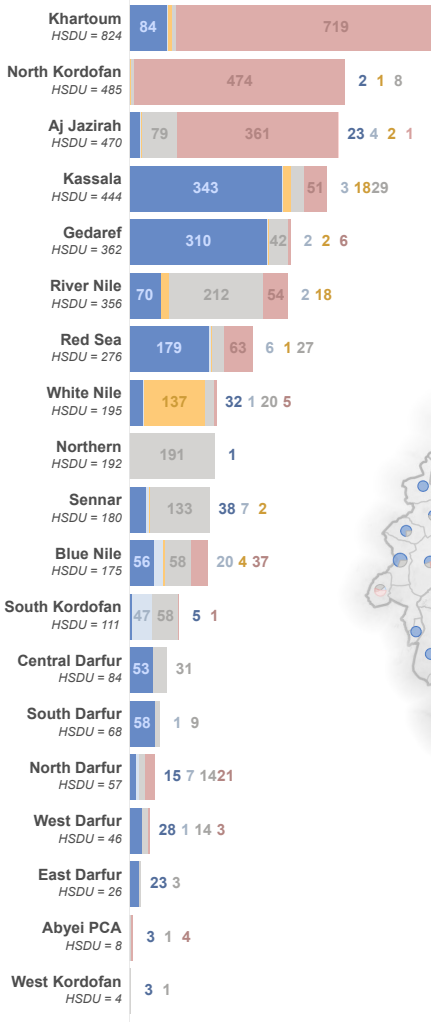


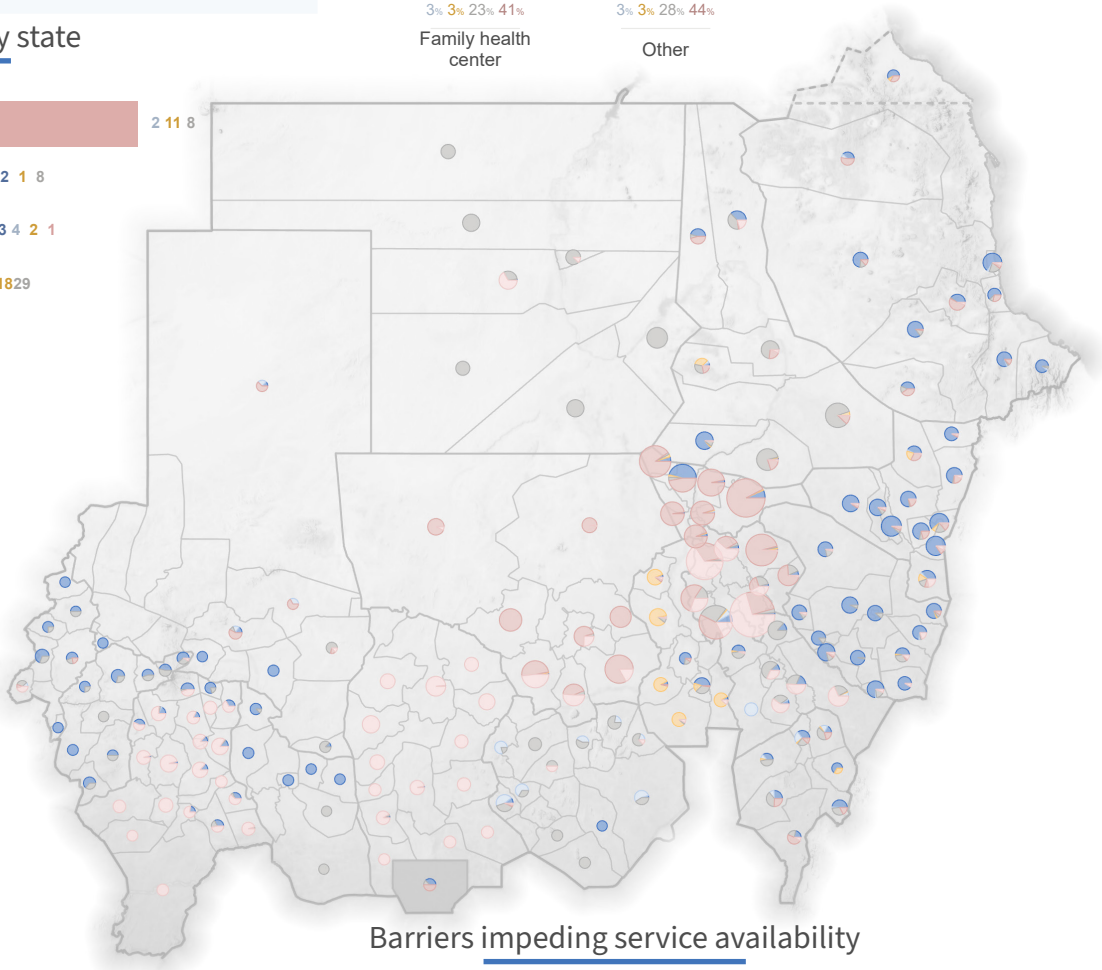
Labels	
30%	1326
2%	103
4%	196
21%	938
41%	1799
<0.1%	1

Service availability by HSDU type

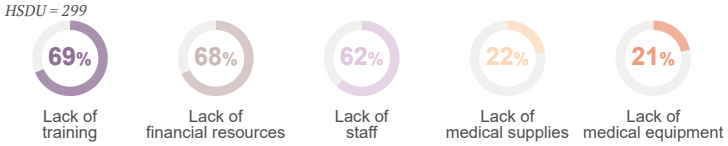


Service availability by state





Barriers impeding service availability



9 Immediate reporting of unexpected or unusual health events through an event-based surveillance system.

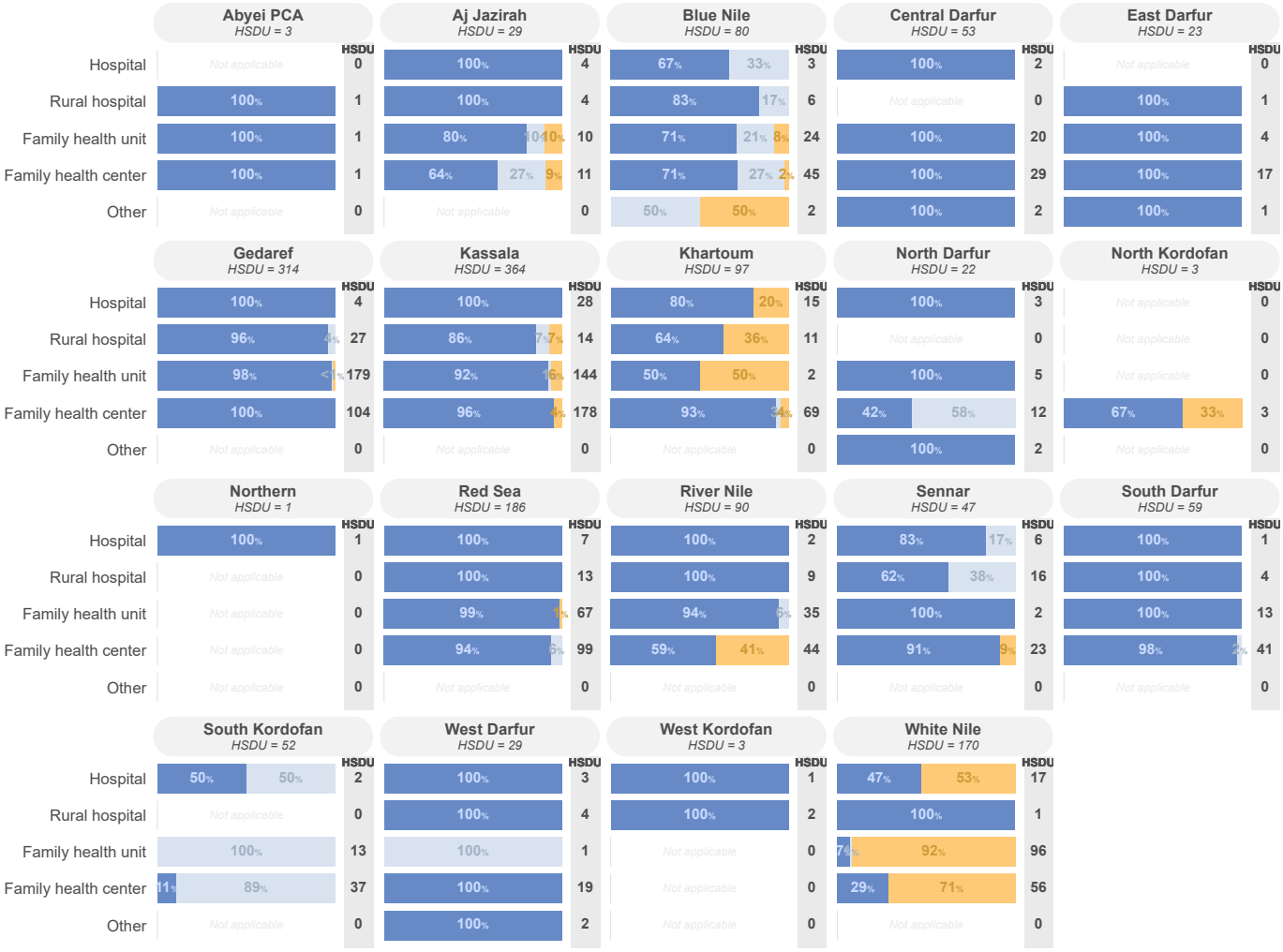
Availability status

- Available
- Partially available
- Not available
- Not normally provided
- Not operational

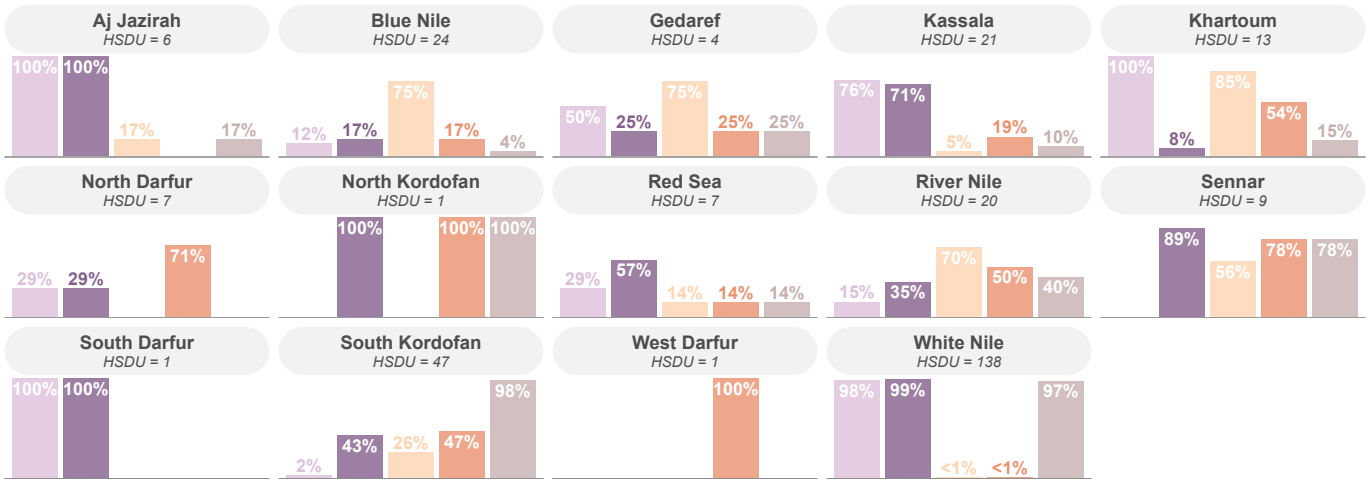
Maps

- Not reporting
- Number of HSDUs: 1, 120, 240

Service availability by HSDU type and state*



Barriers impeding service availability by state



Availability status

- Available
- Partially available
- Not available

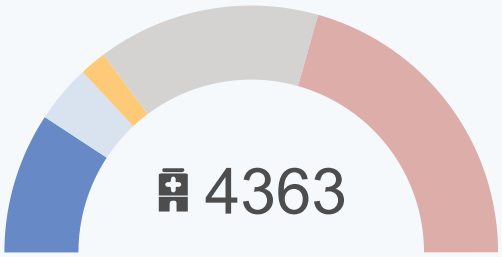
Barriers *for partial availability or non-availability.*

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

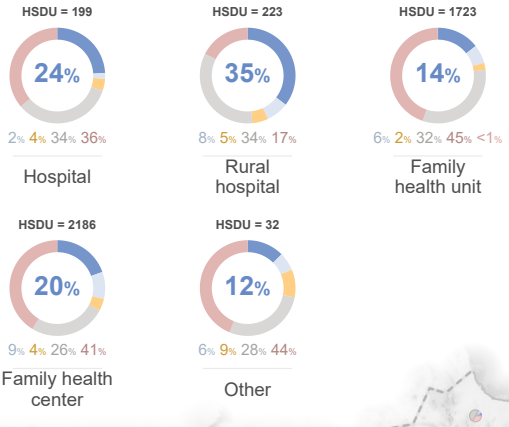
* Non-operational HSDU and those not normally providing the service are excluded from this chart.

MALARIA AT THE COMMUNITY LEVEL

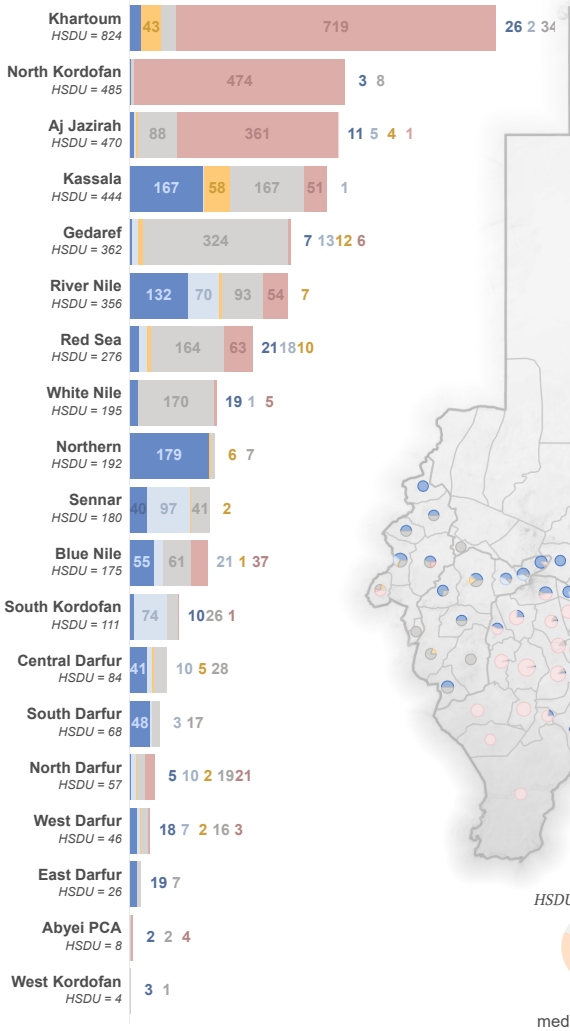
Service availability[10]

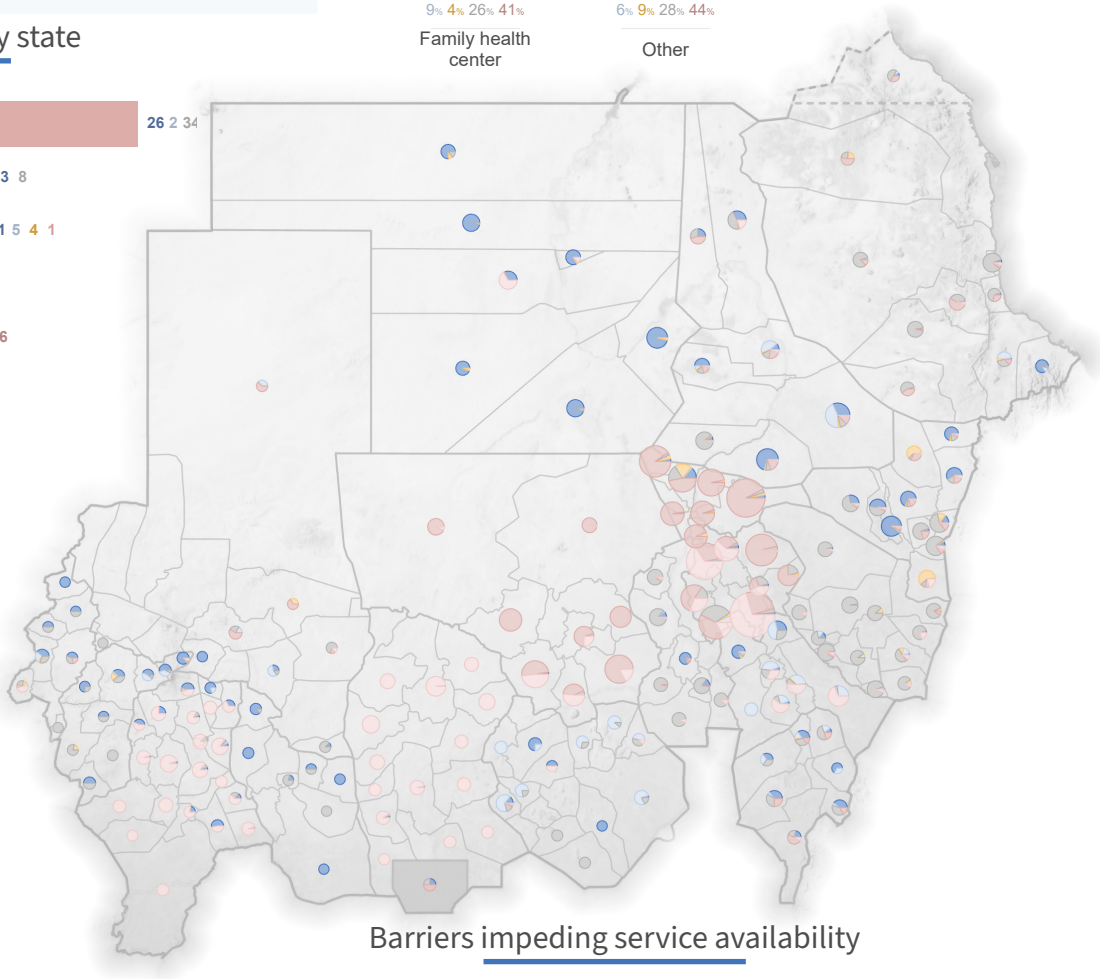


Service availability by HSDU type



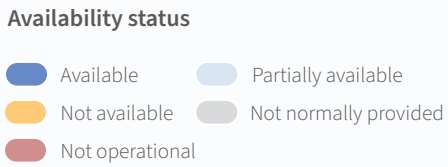
Service availability by state

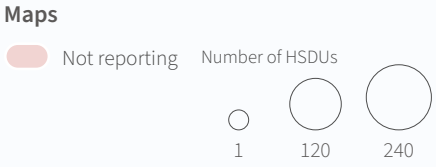




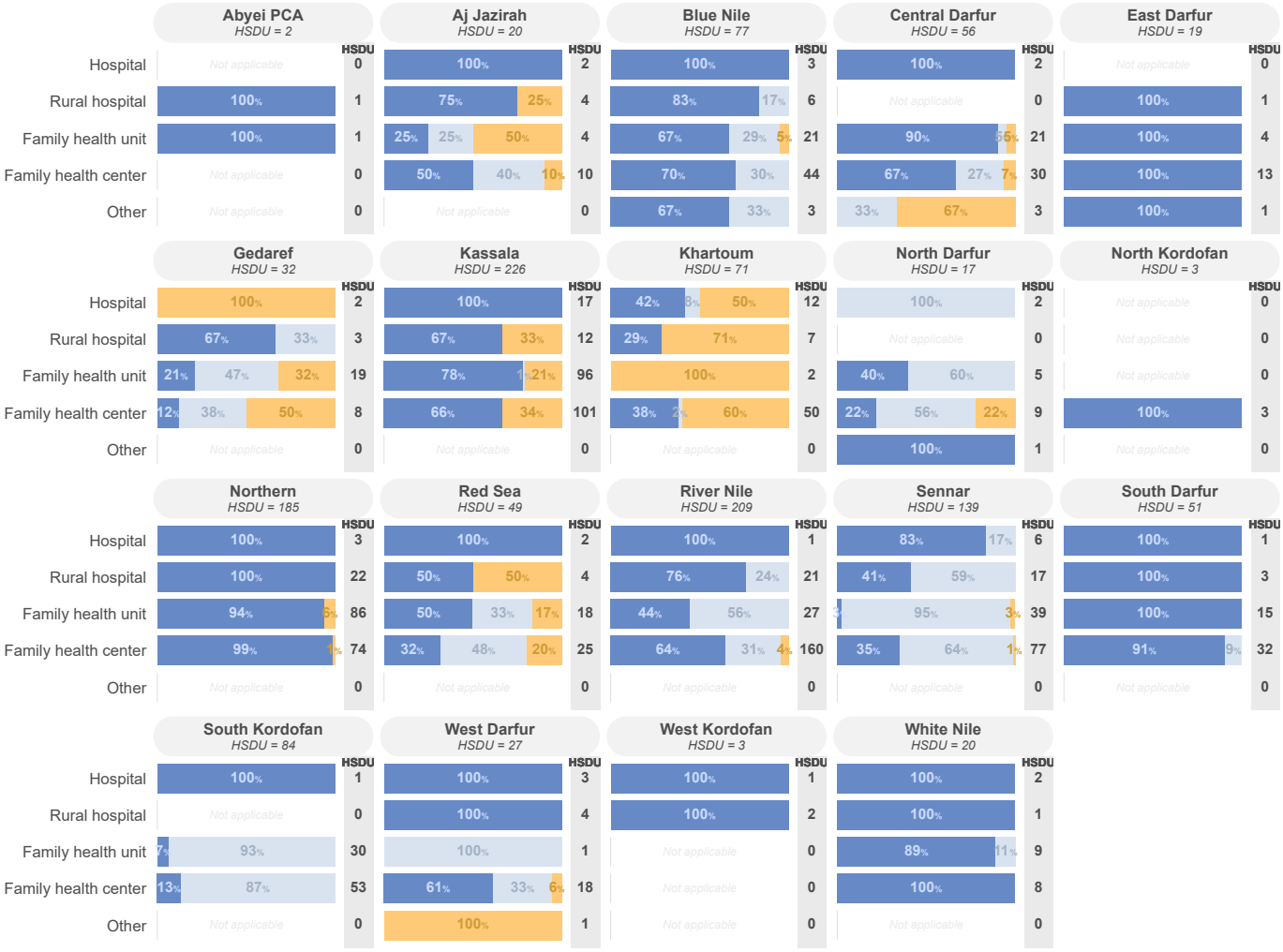
Barriers impeding service availability

10 Diagnosis and treatment of malaria, cases or detection and referral of suspected cases, and follow-up.

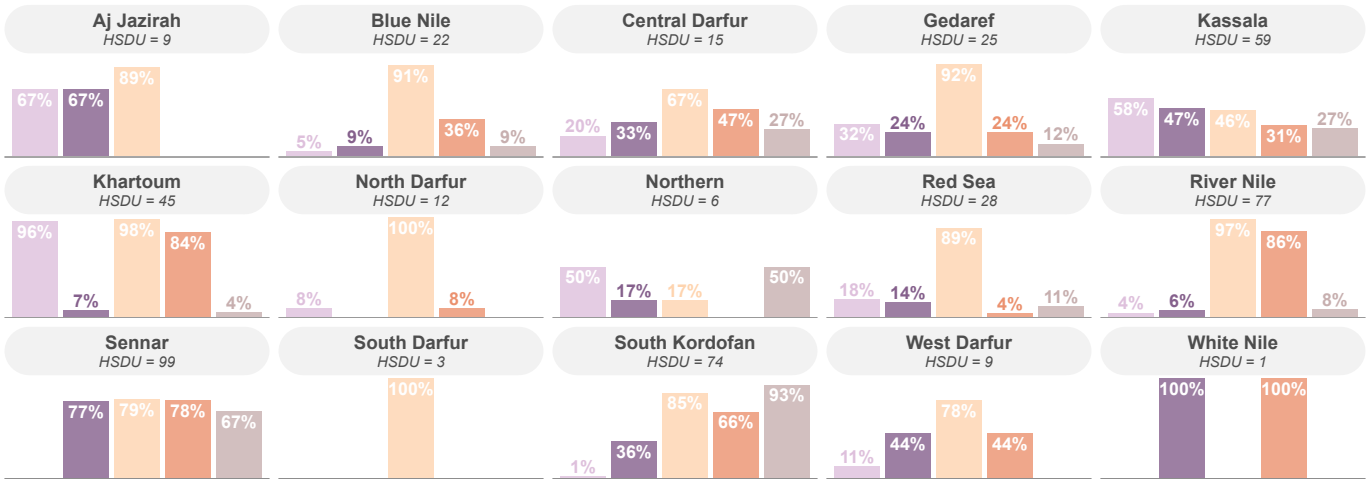




Service availability by HSDU type and state*



Barriers impeding service availability by state



Availability status

Available · Partially available · Not available

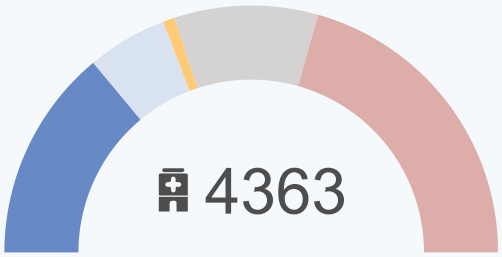
Barriers *for partial availability or non-availability.*

Lack of staff · Lack of supplies · Lack of financial resources · Lack of training · Lack of equipment

* Non-operational HSDU and those not normally providing the service are excluded from this chart.

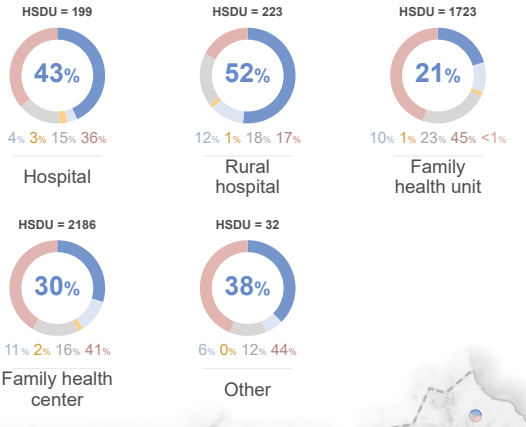
MALARIA AT THE PRIMARY CARE LEVEL

Service availability[11]

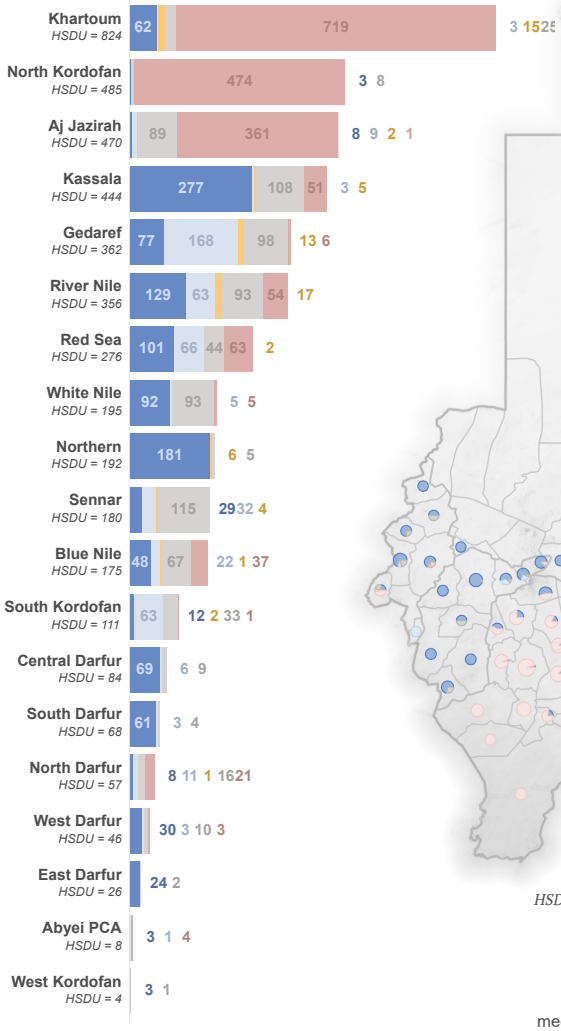


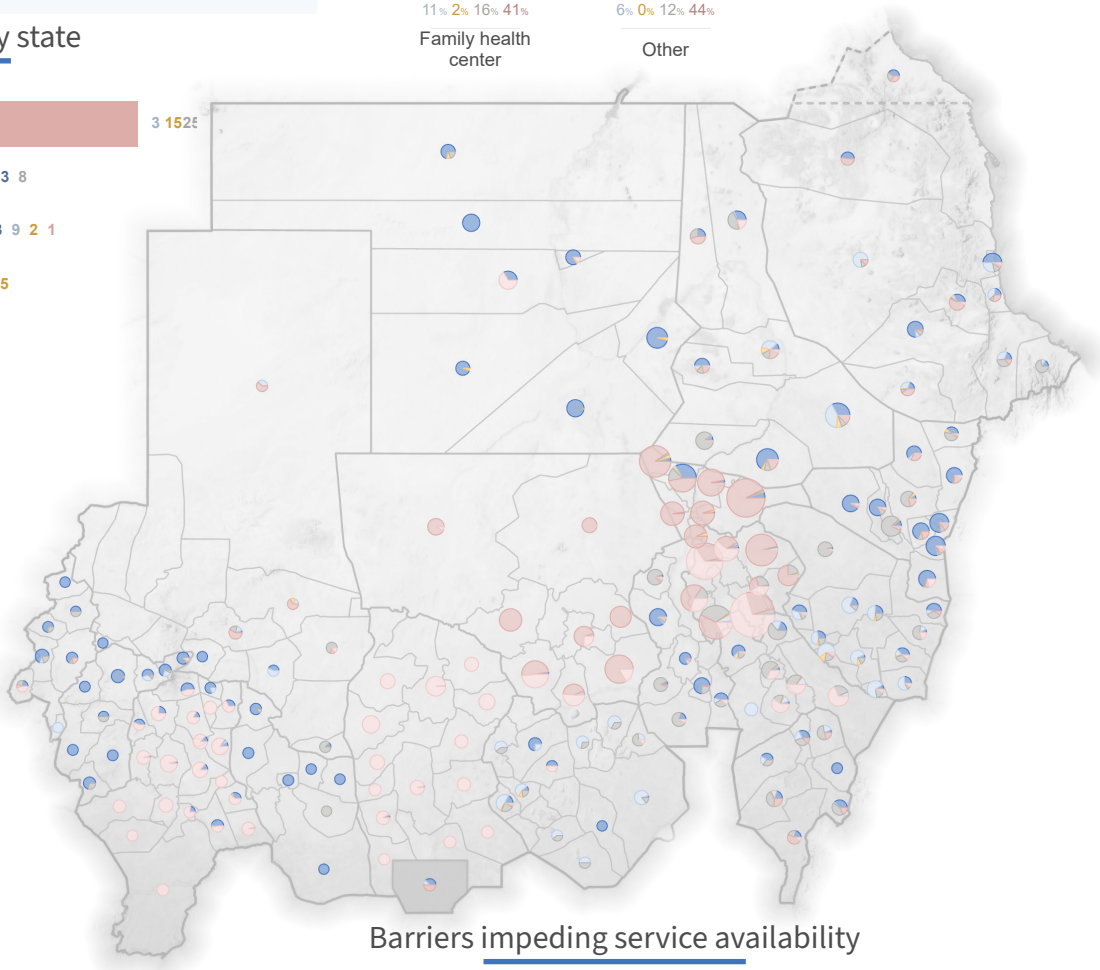
Labels
28% | 1217
10% | 458
2% | 68
19% | 820
41% | 1799
<0.1% | 1

Service availability by HSDU type

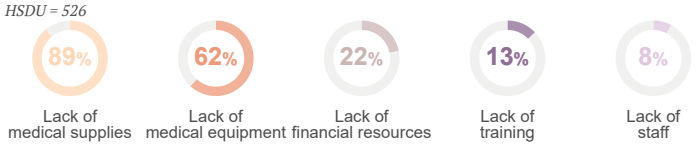


Service availability by state





Barriers impeding service availability



11 Diagnosis of malaria suspected cases with rapid diagnostic test and treatment of positive cases, or detection and referral of suspected cases, and follow-up.

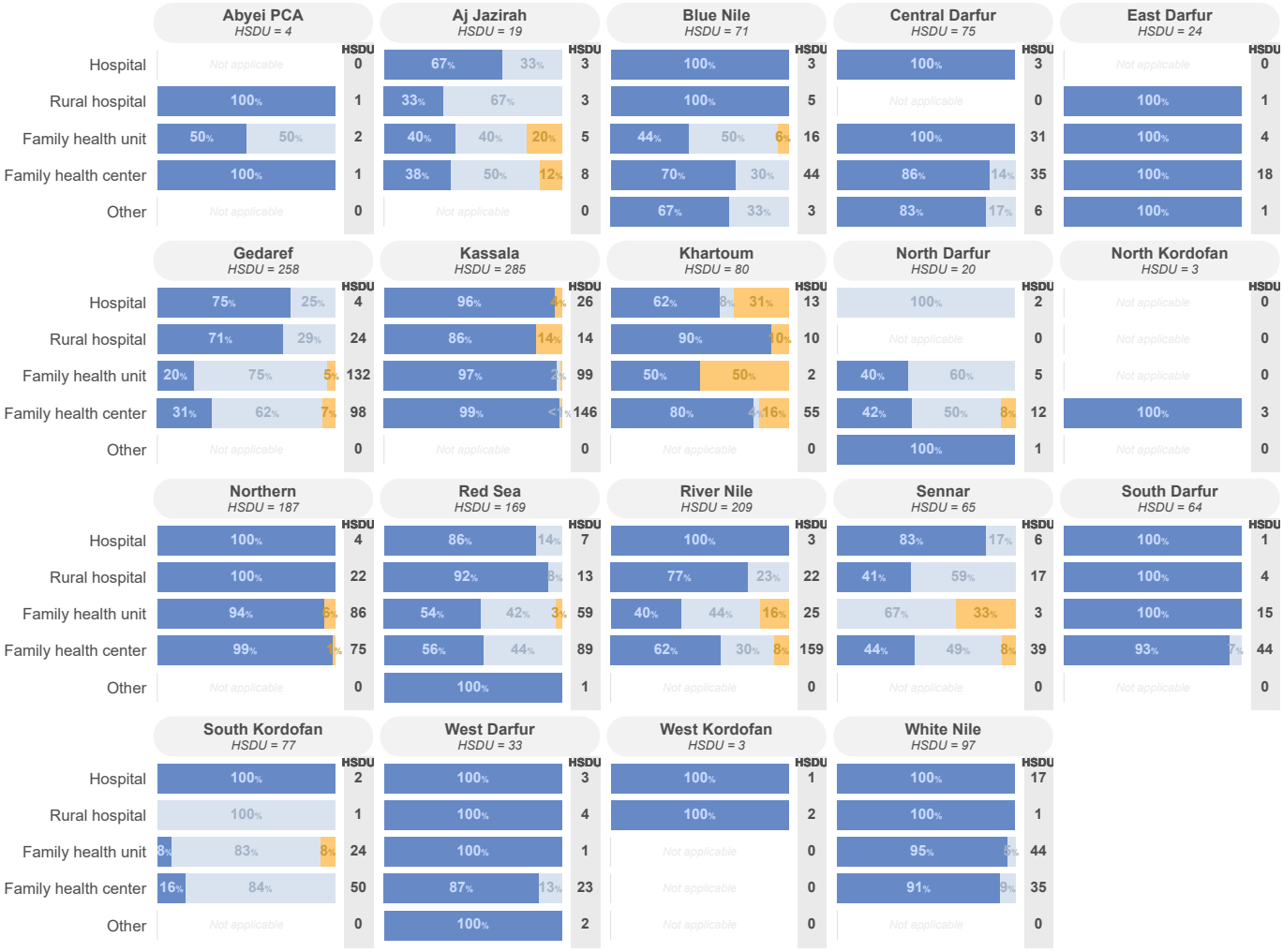
Availability status

Available
Partially available
Not available
Not normally provided
Not operational

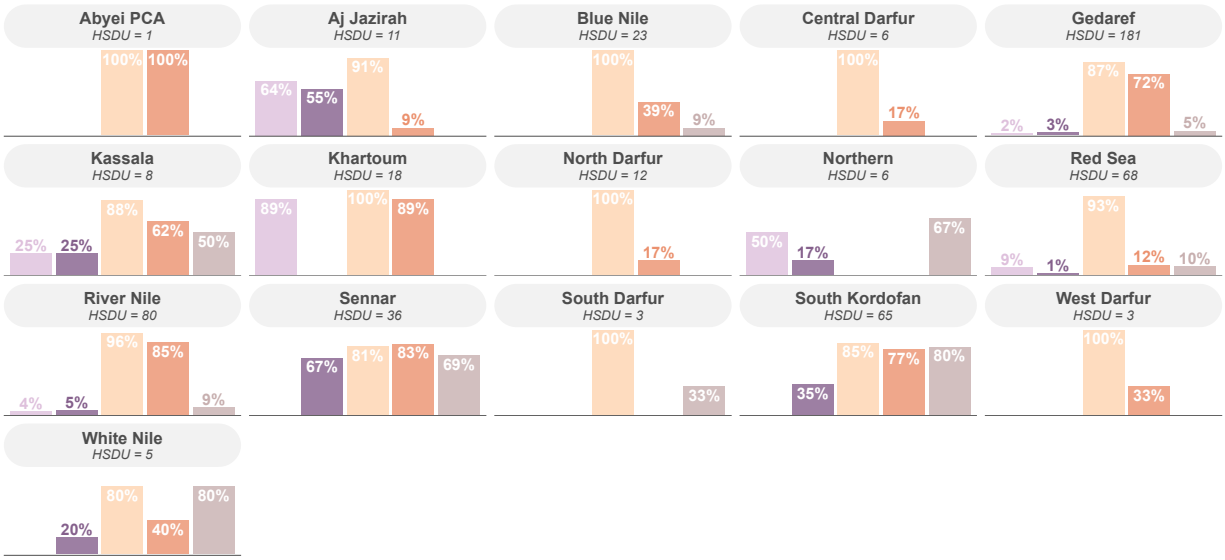
Maps

Not reporting
Number of HSDUs
1
120
240

Service availability by HSDU type and state*



Barriers impeding service availability by state



Availability status

Available
Partially available
Not available

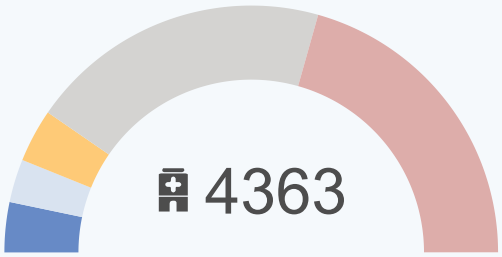
Barriers *for partial availability or non-availability.*

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

* Non-operational HSDU and those not normally providing the service are excluded from this chart.

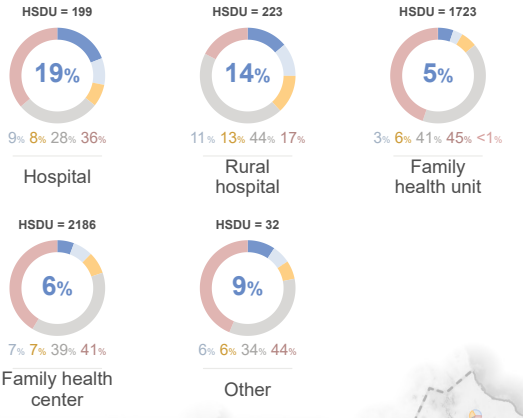
VECTOR CONTROL

Service availability[12]

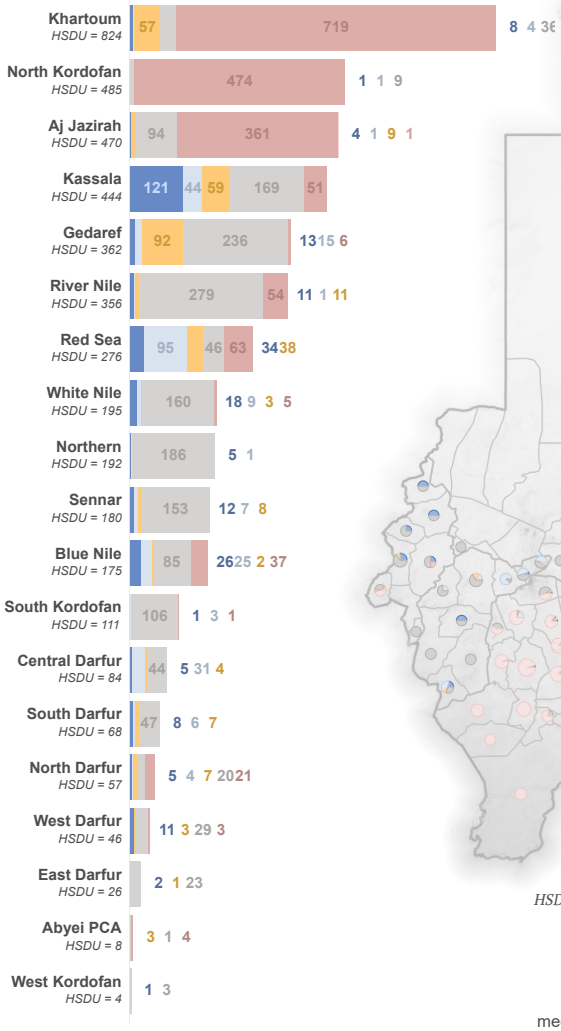


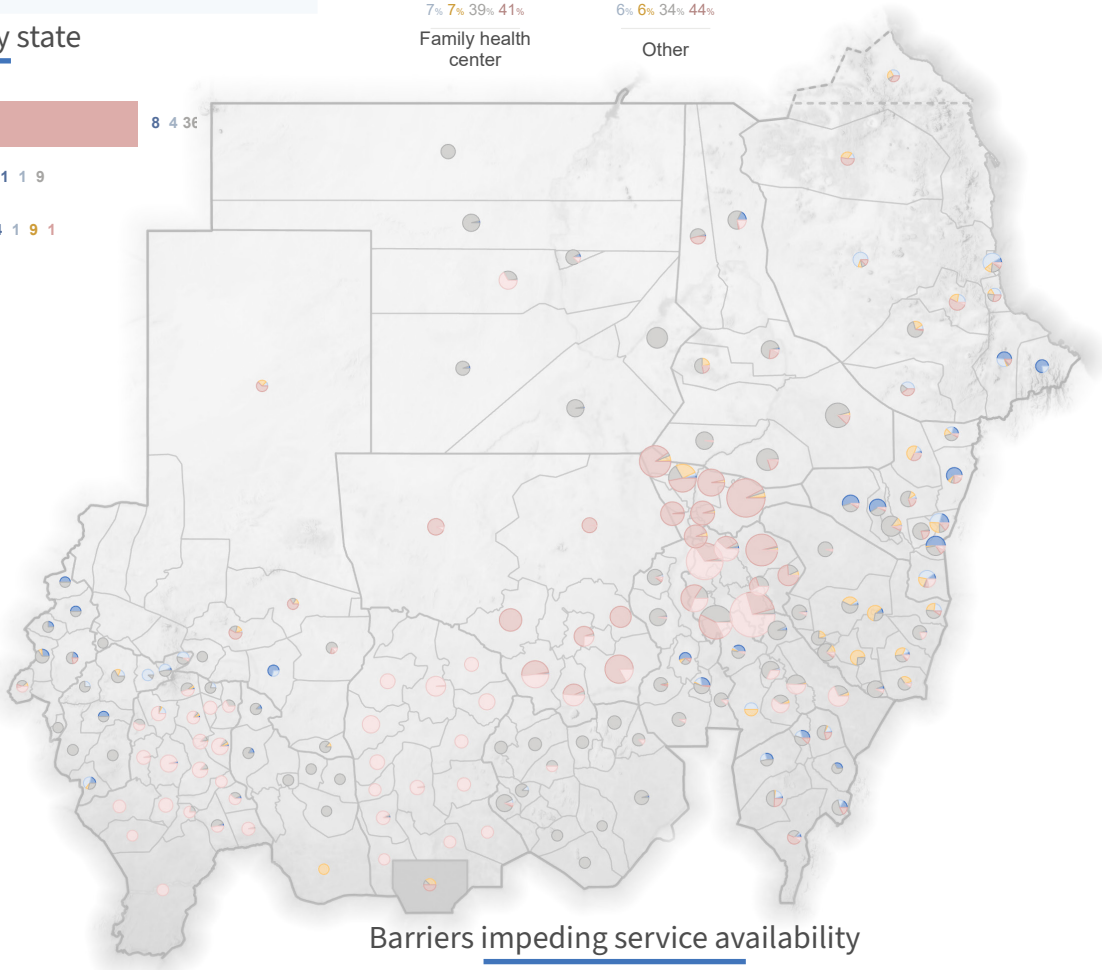
Labels	
7%	286
6%	247
7%	304
40%	1726
41%	1799
<0.1%	1

Service availability by HSDU type



Service availability by state





Barriers impeding service availability

12 Distribution of impregnated bed nets, in/outdoor insecticide spraying, distribution of related information, education and communications (IEC) materials.

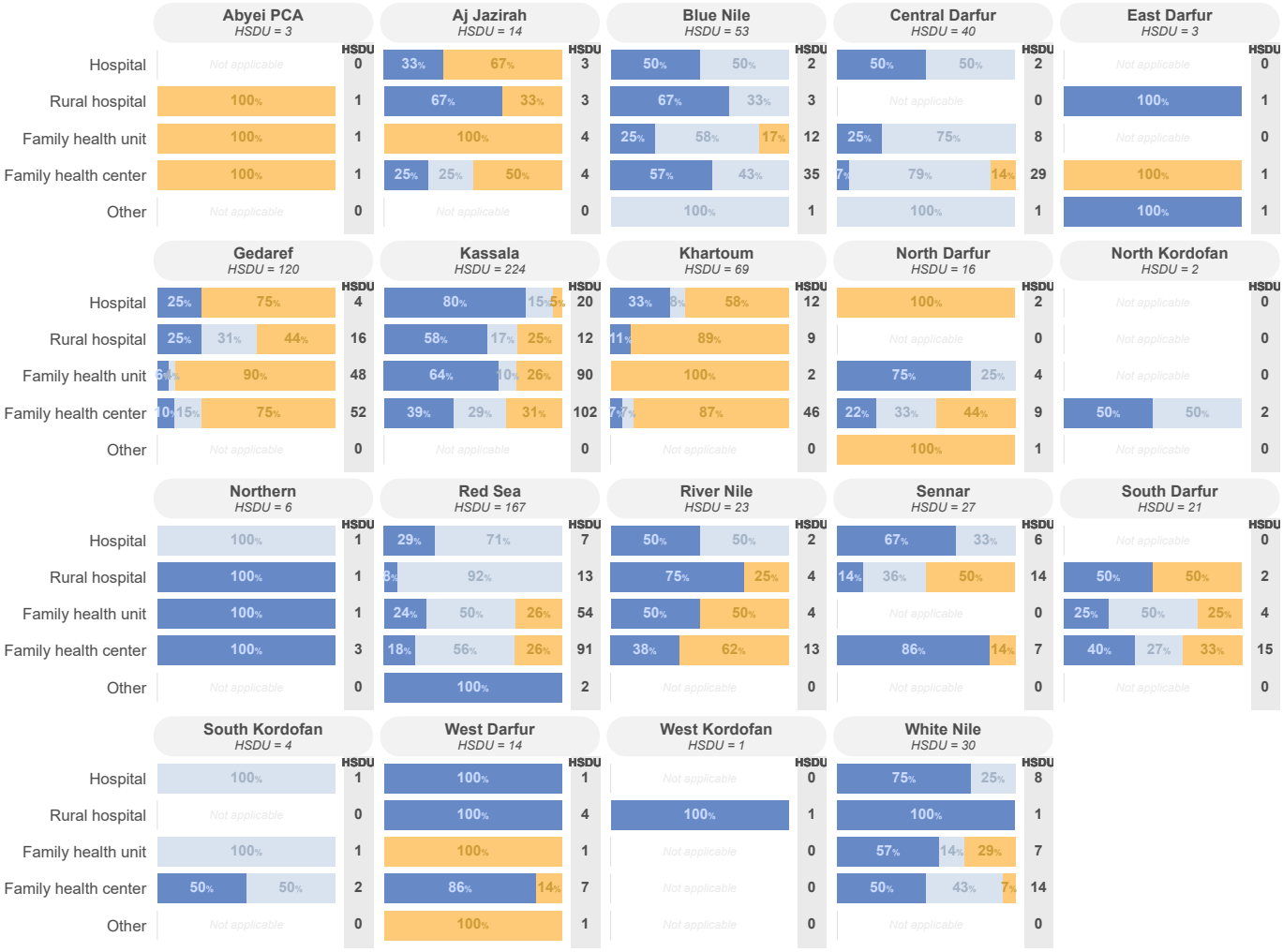
Availability status

- Available
- Partially available
- Not available
- Not normally provided
- Not operational

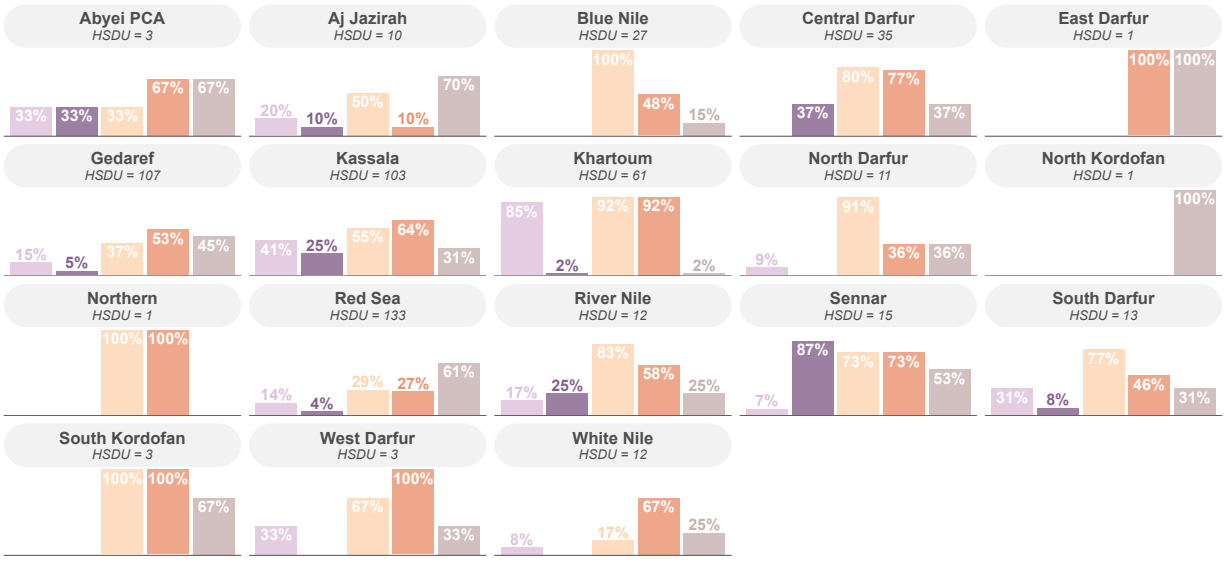
Maps

- Not reporting
- Number of HSDUs: 1, 120, 240

Service availability by HSDU type and state*



Barriers impeding service availability by state



Availability status

- Available
- Partially available
- Not available

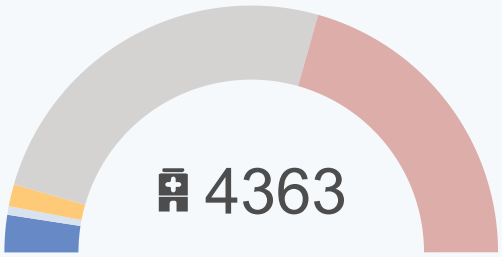
Barriers *for partial availability or non-availability.*

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

* Non-operational HSDU and those not normally providing the service are excluded from this chart.

SUPPORT MASS DRUG ADMINISTRATION

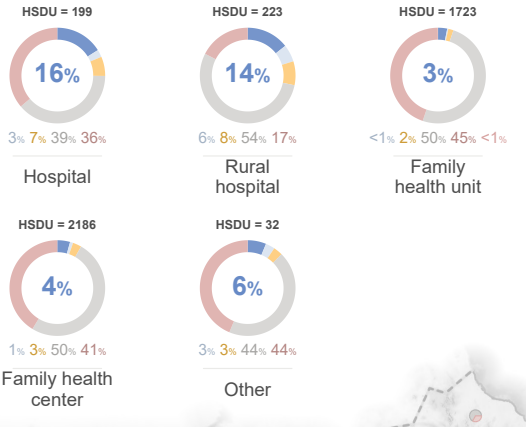
Service availability[13]



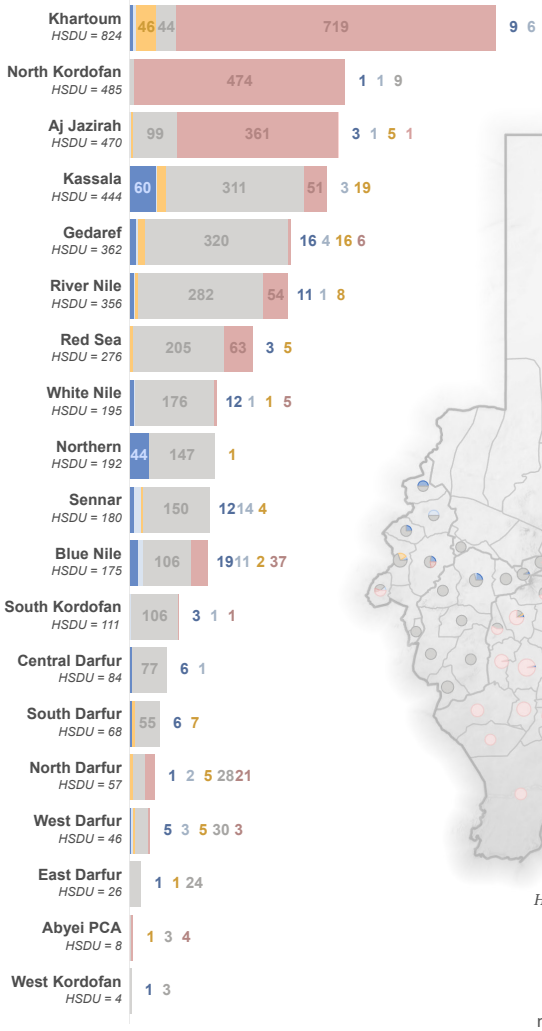
Labels

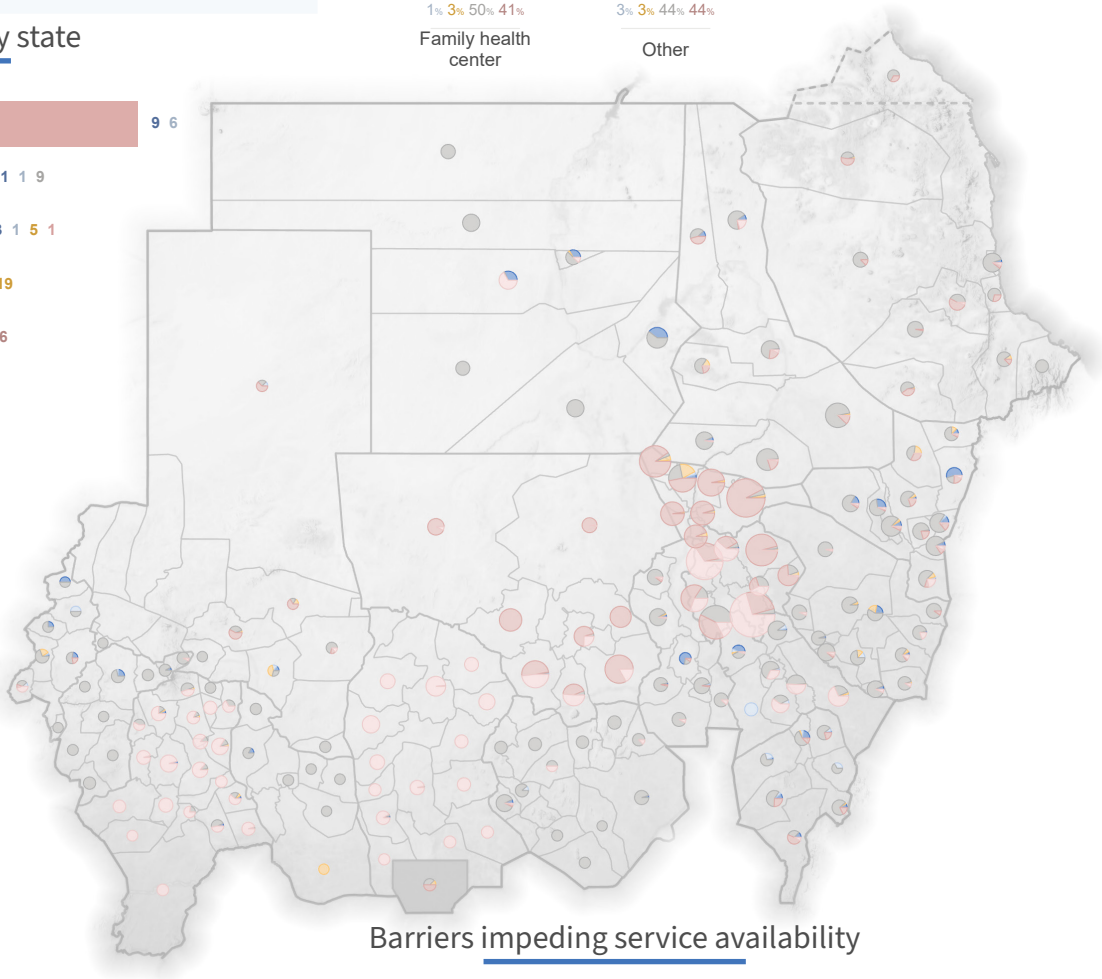
5%	213
1%	49
3%	126
50%	2175
41%	1799
<0.1%	1

Service availability by HSDU type

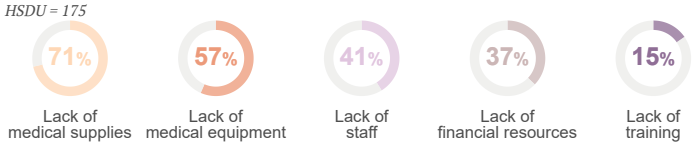


Service availability by state





Barriers impeding service availability



13 Mobilize communities and support mass drug administration/treatment campaigns.

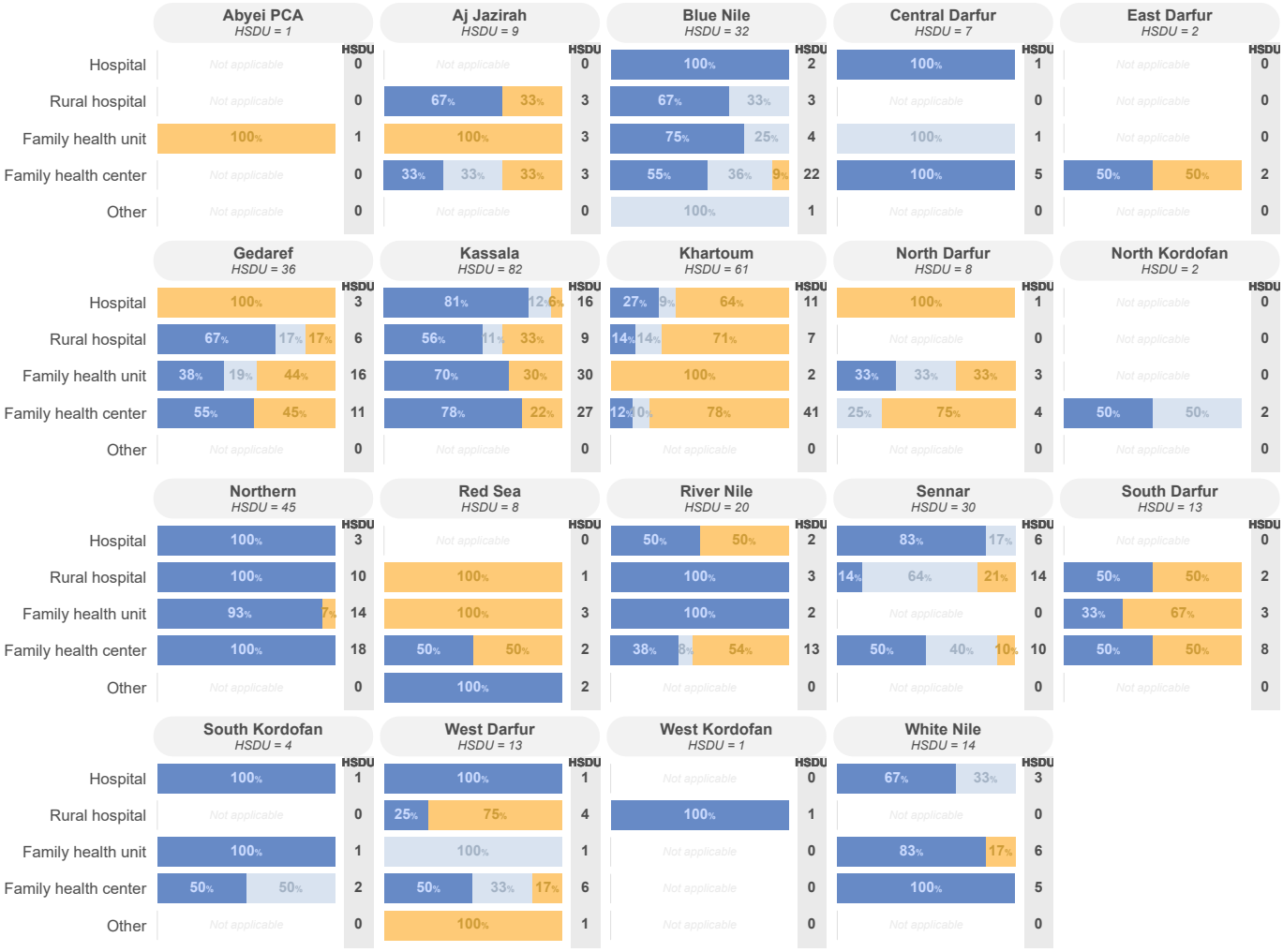
Availability status

- Available
- Partially available
- Not available
- Not normally provided
- Not operational

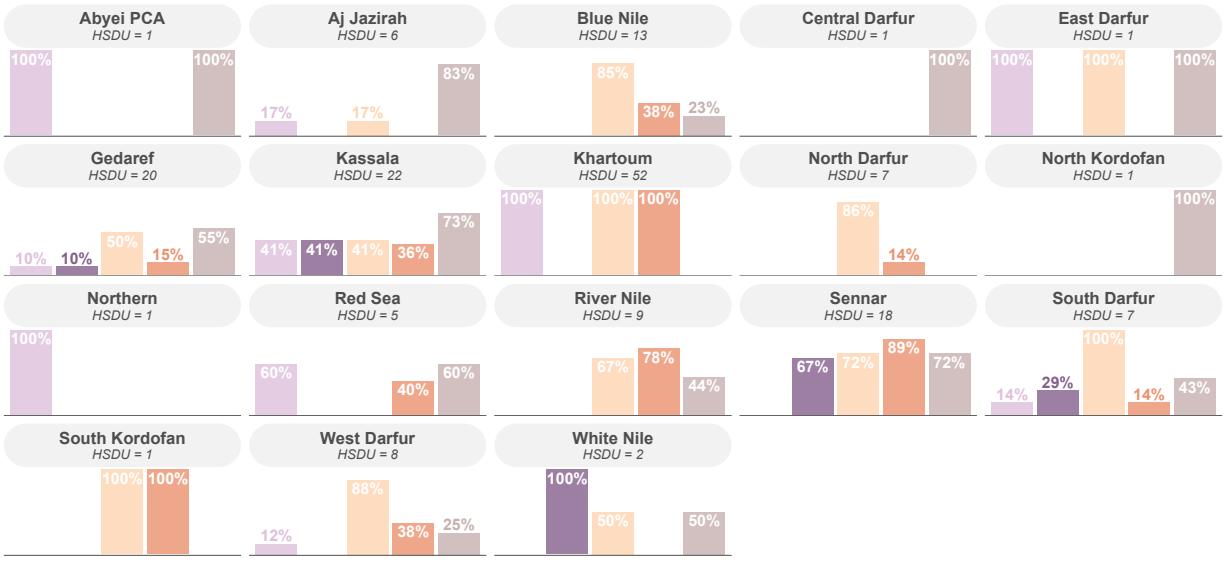
Maps

- Not reporting
- Number of HSDUs: 1, 120, 240

Service availability by HSDU type and state*



Barriers impeding service availability by state



Availability status

- Available
- Partially available
- Not available

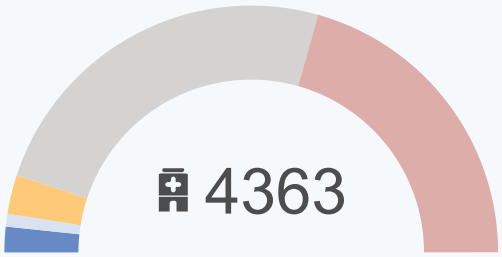
Barriers *for partial availability or non-availability.*

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

* Non-operational HSDU and those not normally providing the service are excluded from this chart.

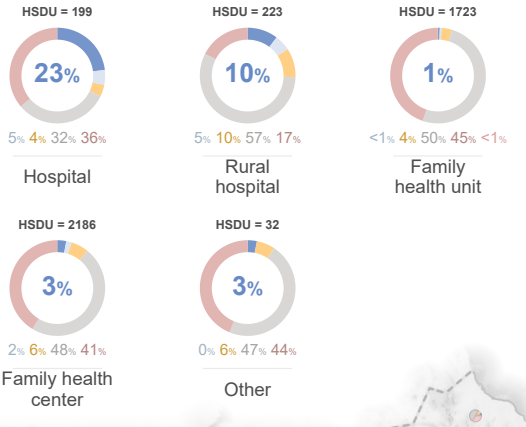
TUBERCULOSIS

Service availability[14]

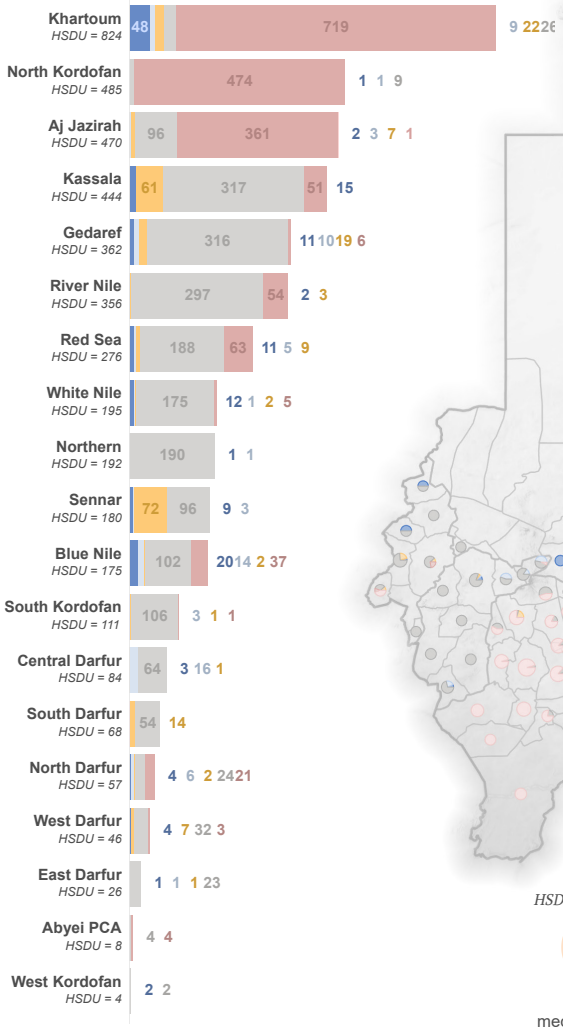


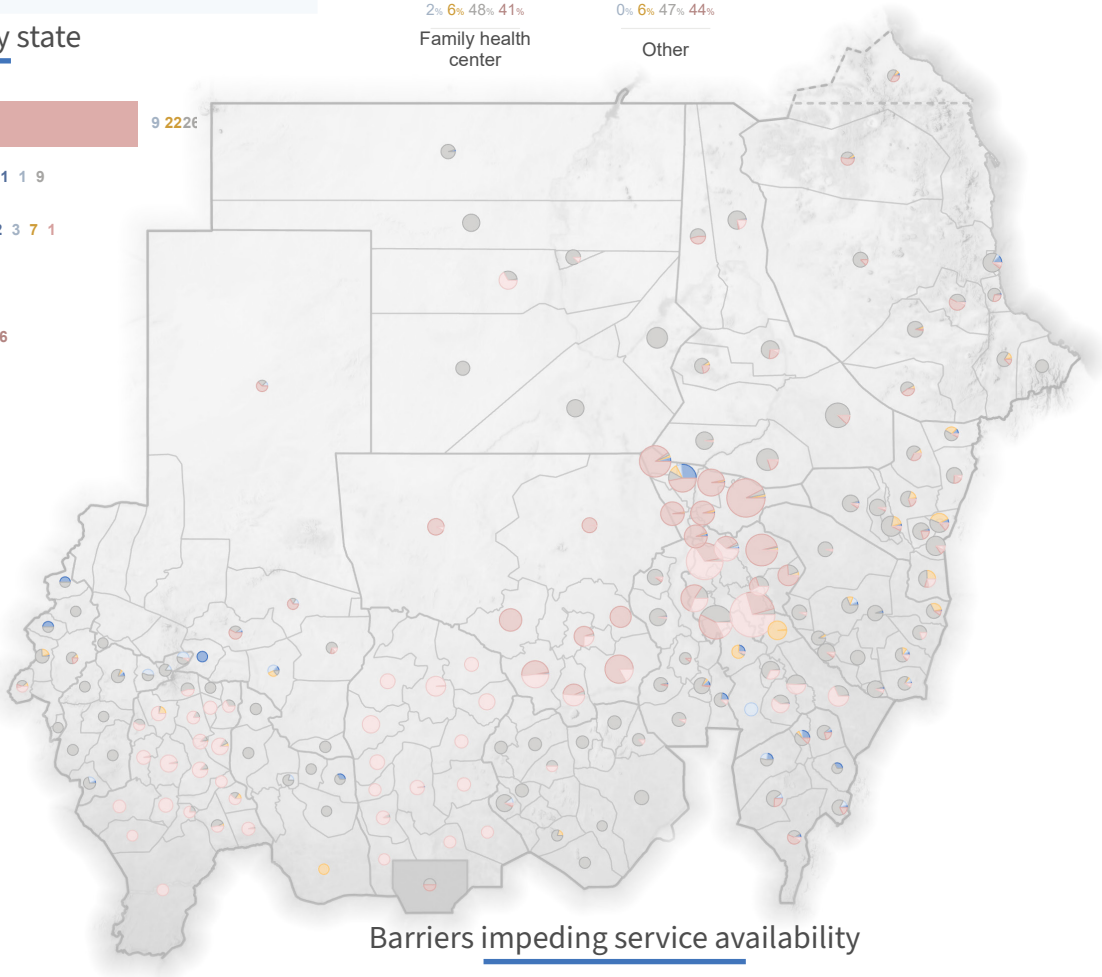
Labels	
3%	146
2%	73
5%	223
49%	2121
41%	1799
<0.1%	1

Service availability by HSDU type

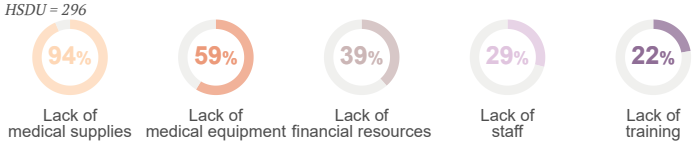


Service availability by state





Barriers impeding service availability



14 Diagnosis and treatment of tuberculosis cases, or detection and referral of suspected cases, and follow-up.

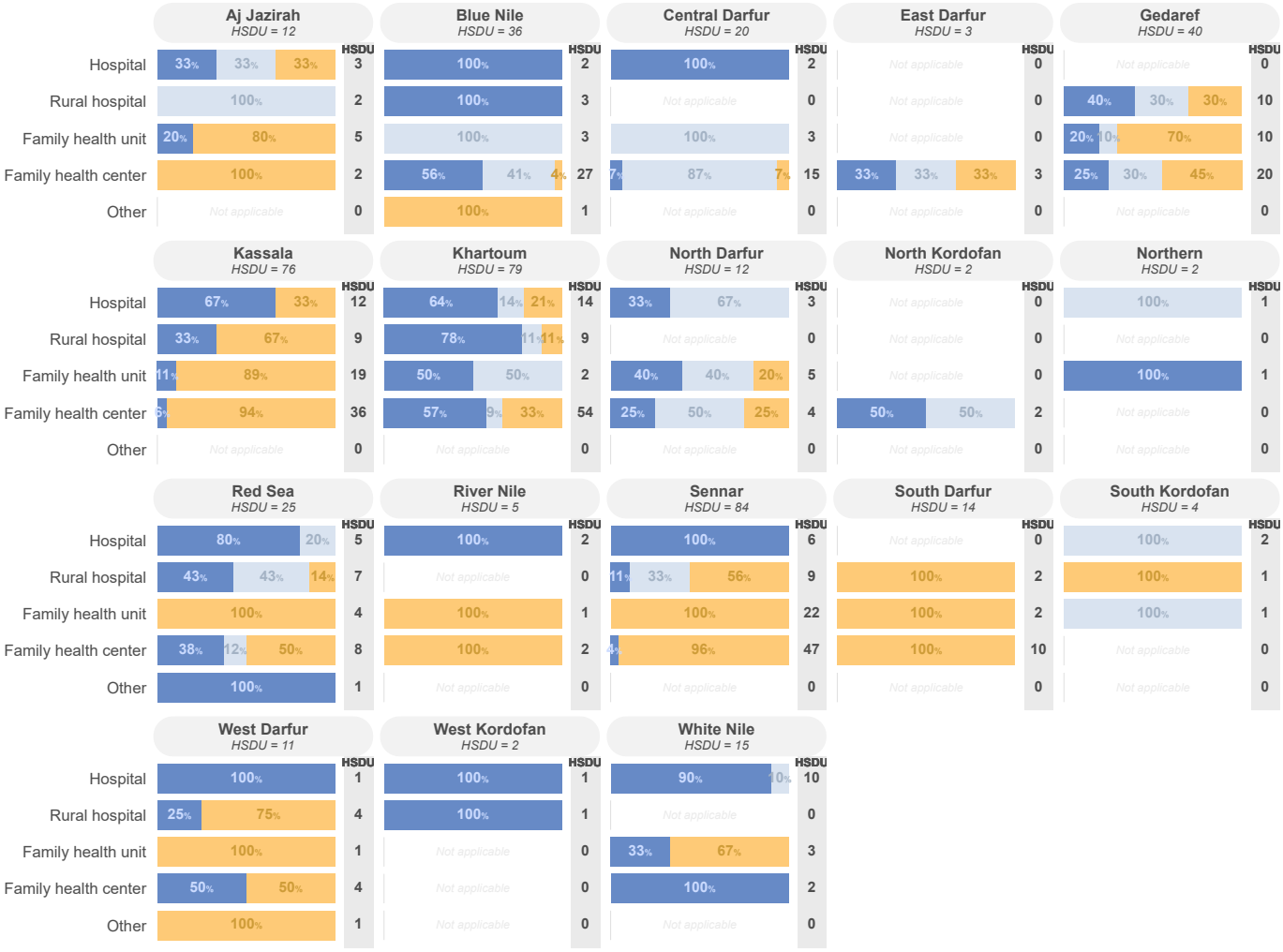
Availability status

- Available
- Partially available
- Not available
- Not normally provided
- Not operational

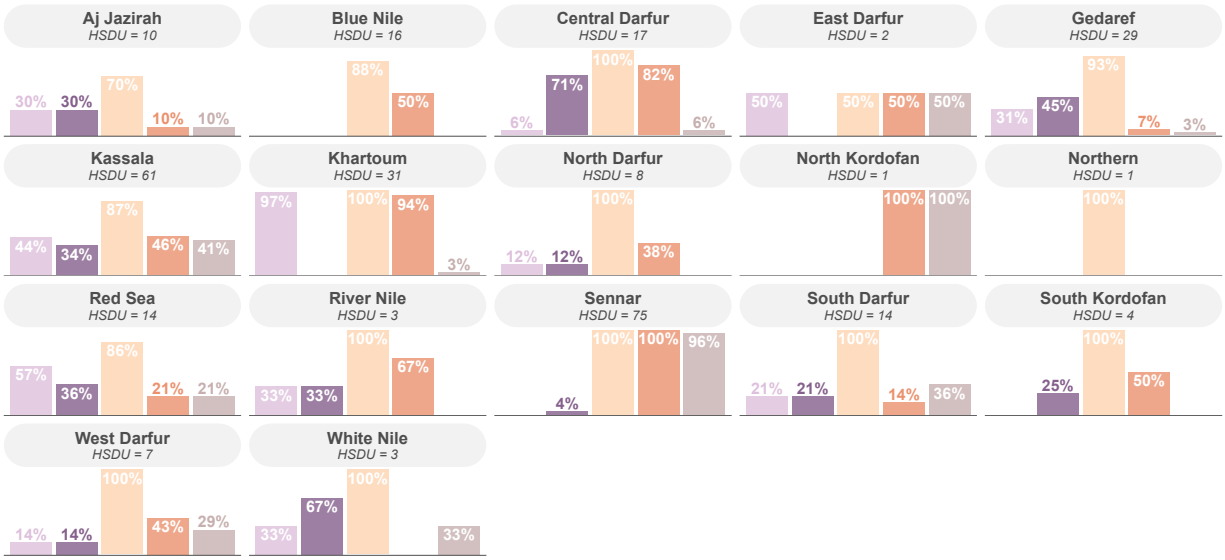
Maps

- Not reporting
- Number of HSDUs: 1, 120, 240

Service availability by HSDU type and state*



Barriers impeding service availability by state



Availability status

Available
Partially available
Not available

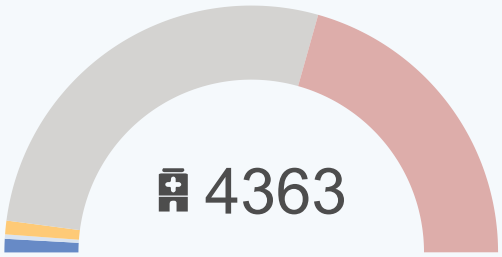
Barriers *for partial availability or non-availability.*

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

* Non-operational HSDU and those not normally providing the service are excluded from this chart.

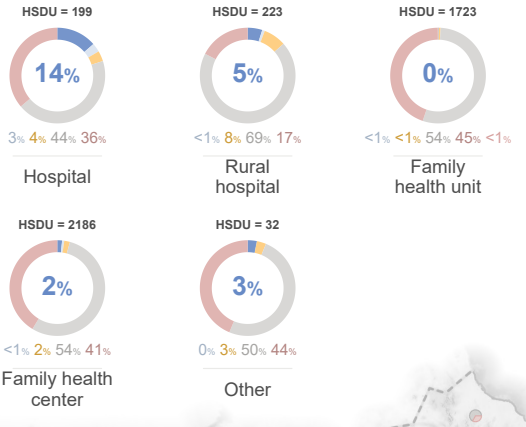
MULTIDRUG-RESISTANT TUBERCULOSIS

Service availability[15]

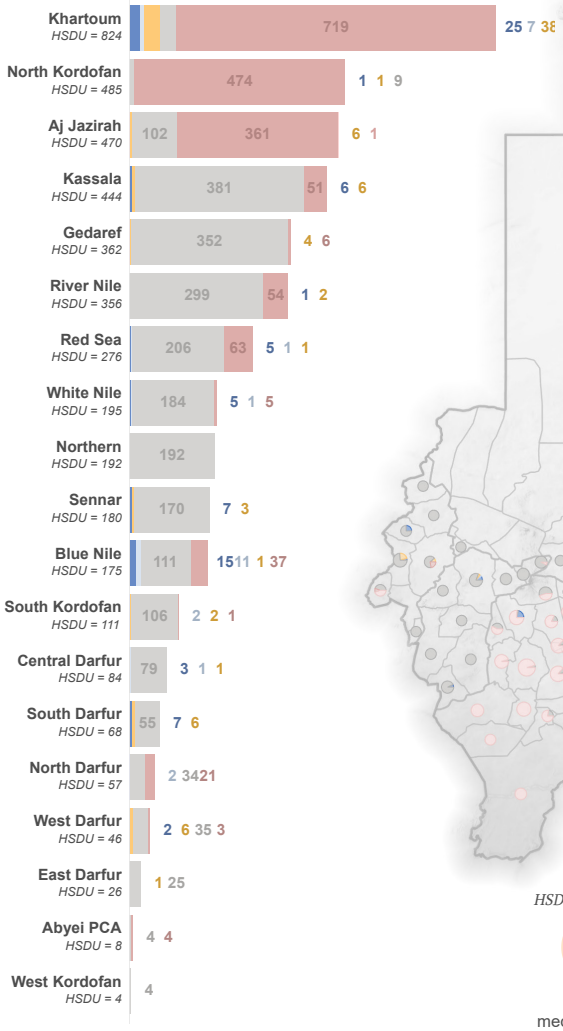


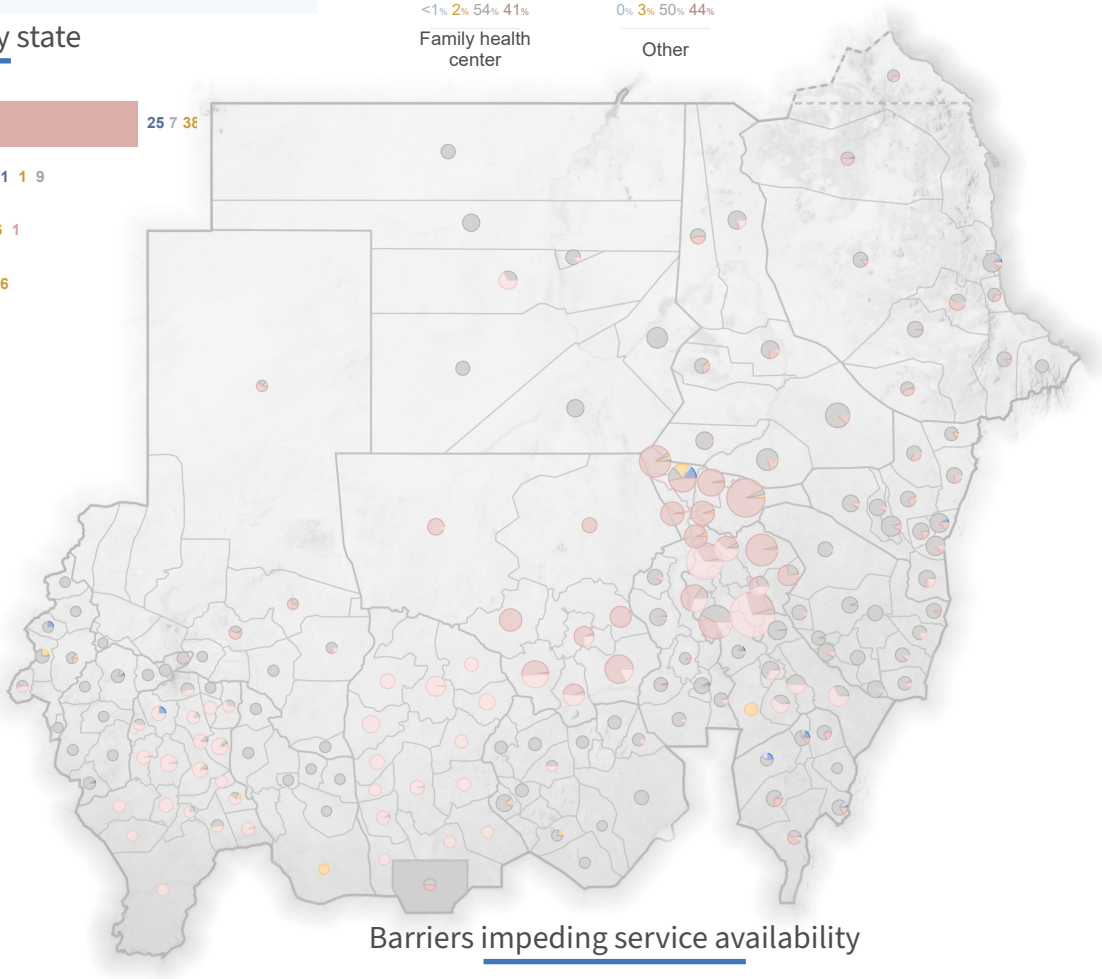
Labels	
2%	77
<0.1%	25
2%	78
55%	2383
41%	1799
<0.1%	1

Service availability by HSDU type

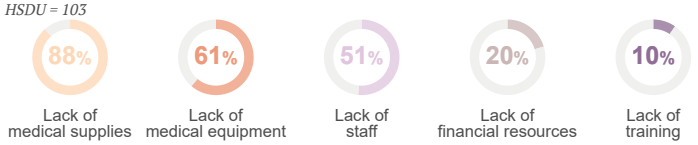


Service availability by state





Barriers impeding service availability



15 Diagnosis, management, and follow-up of multidrug-resistant tuberculosis patients.

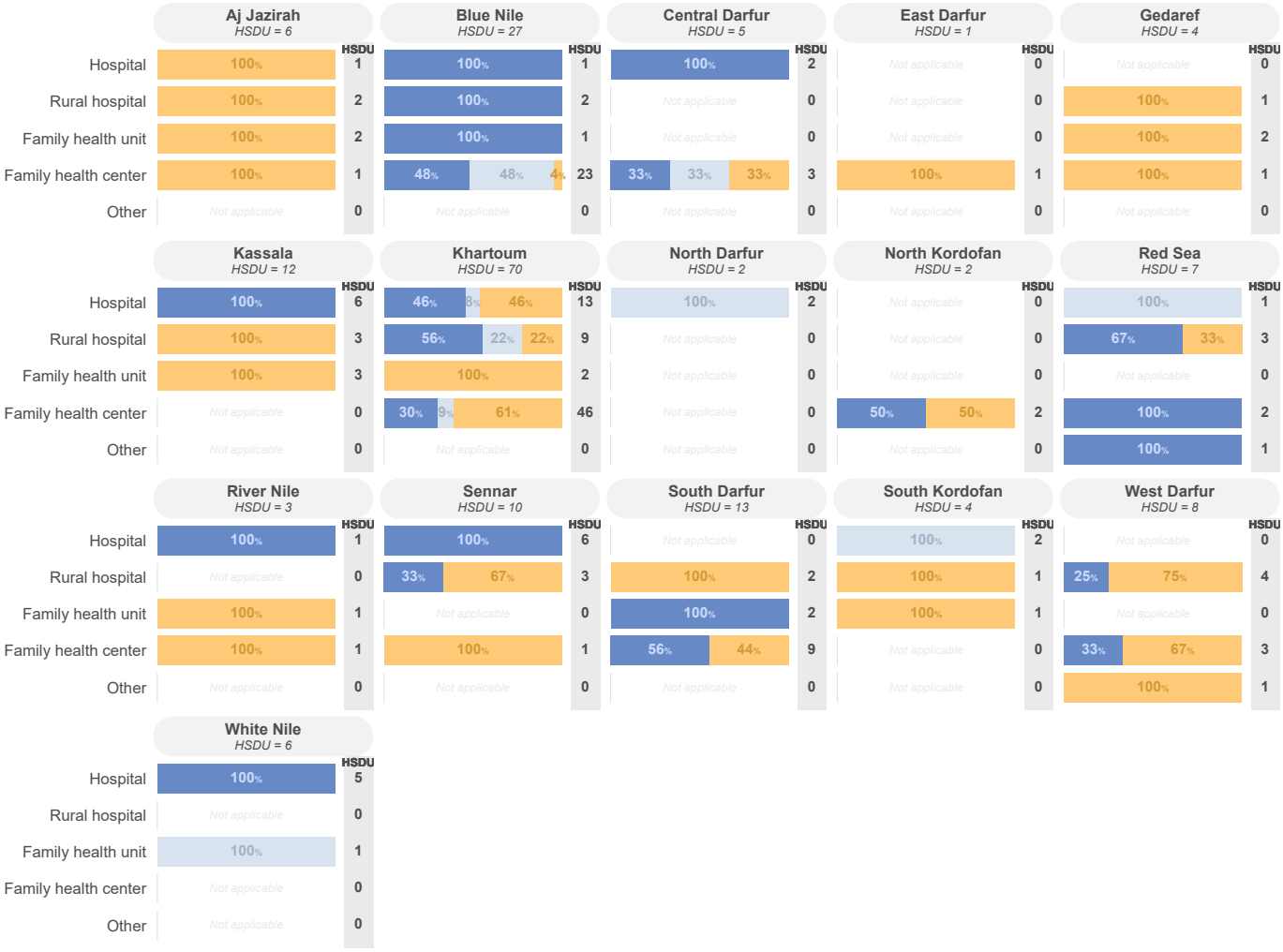
Availability status

- Available
- Partially available
- Not available
- Not normally provided
- Not operational

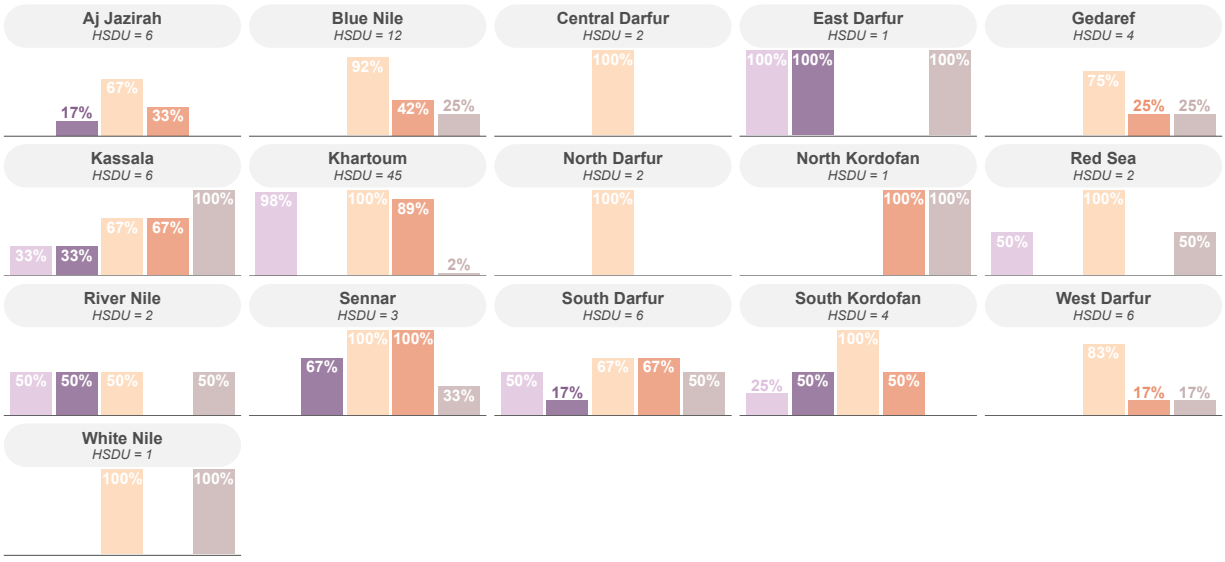
Maps

- Not reporting
- Number of HSDUs: 1, 120, 240

Service availability by HSDU type and state*



Barriers impeding service availability by state



Availability status

- Available
- Partially available
- Not available

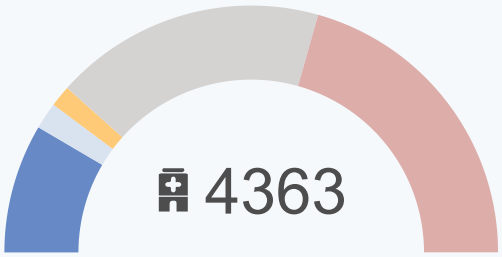
Barriers *for partial availability or non-availability.*

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

* Non-operational HSDU and those not normally providing the service are excluded from this chart.

IEC ON LOCAL PRIORITY DISEASES

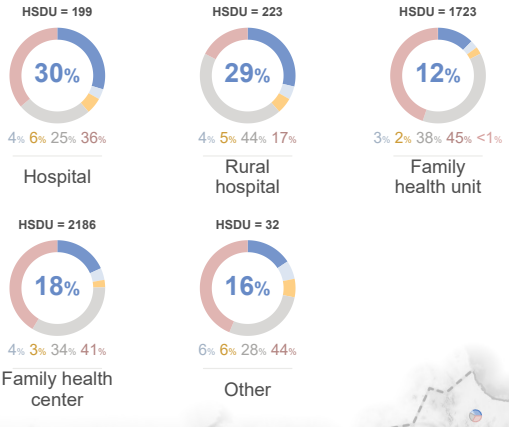
Service availability[16]



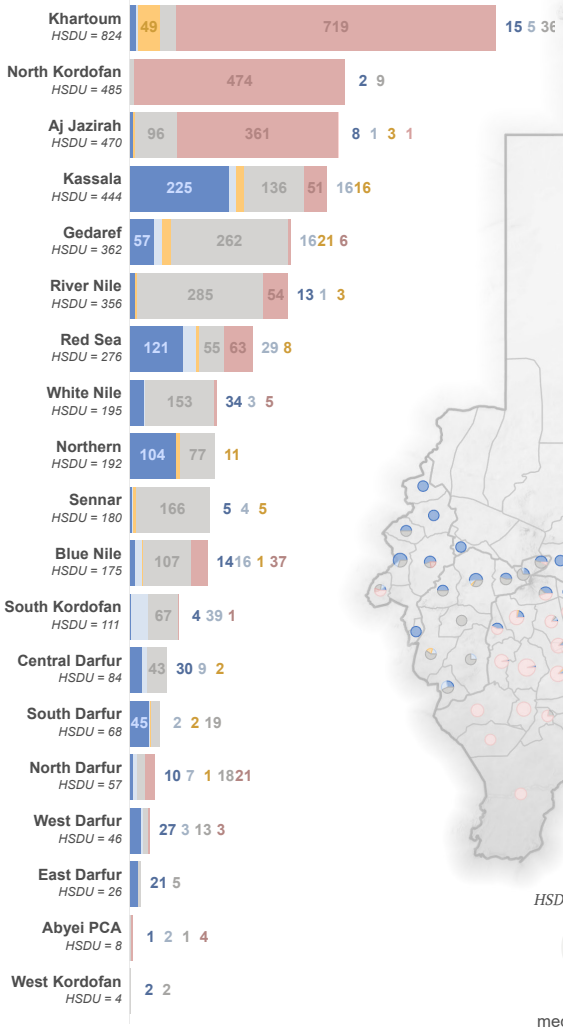
Labels

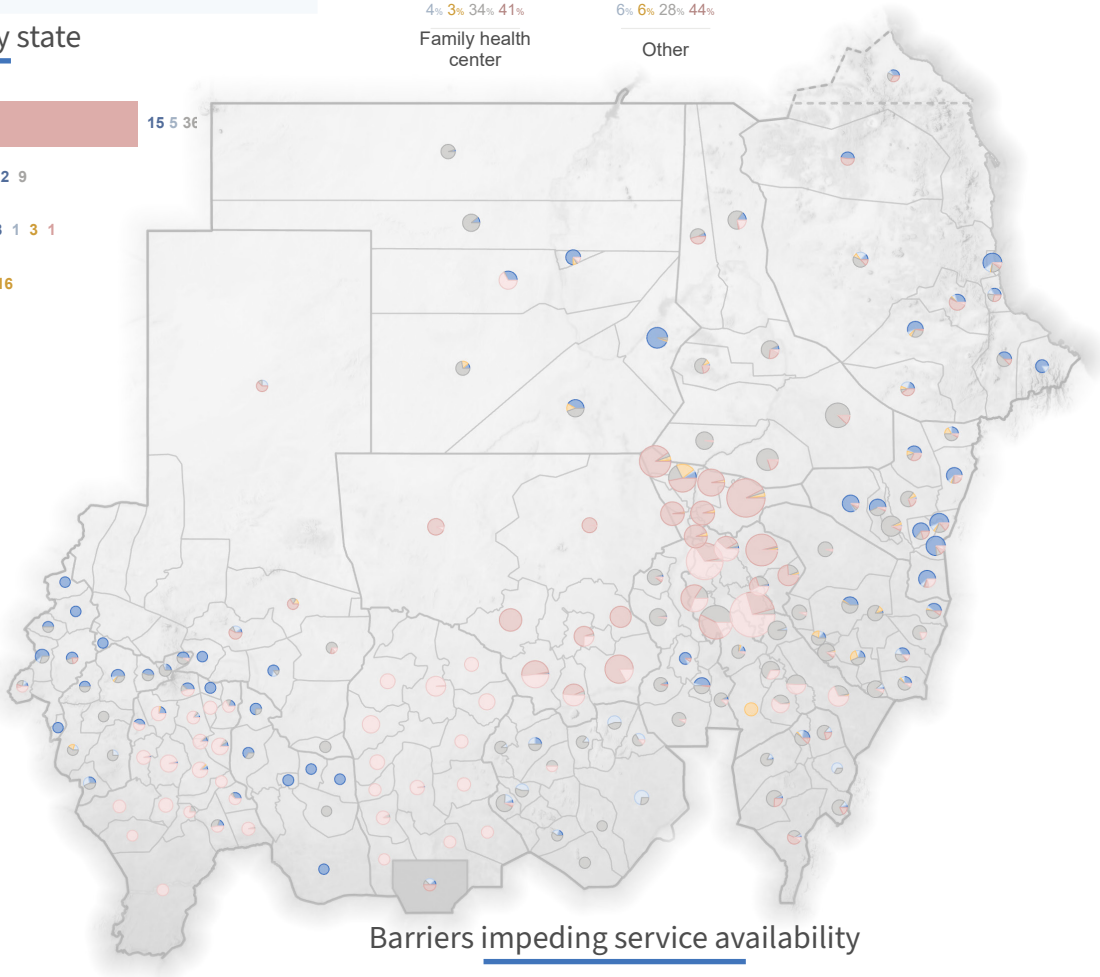
17%	738
4%	153
3%	122
36%	1550
41%	1799
<0.1%	1

Service availability by HSDU type

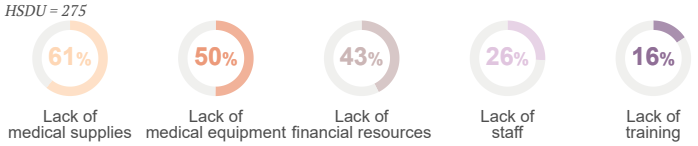


Service availability by state





Barriers impeding service availability



16 IEC on the prevention and self-care of local priority diseases, such as acute diarrhea and acute respiratory infections.

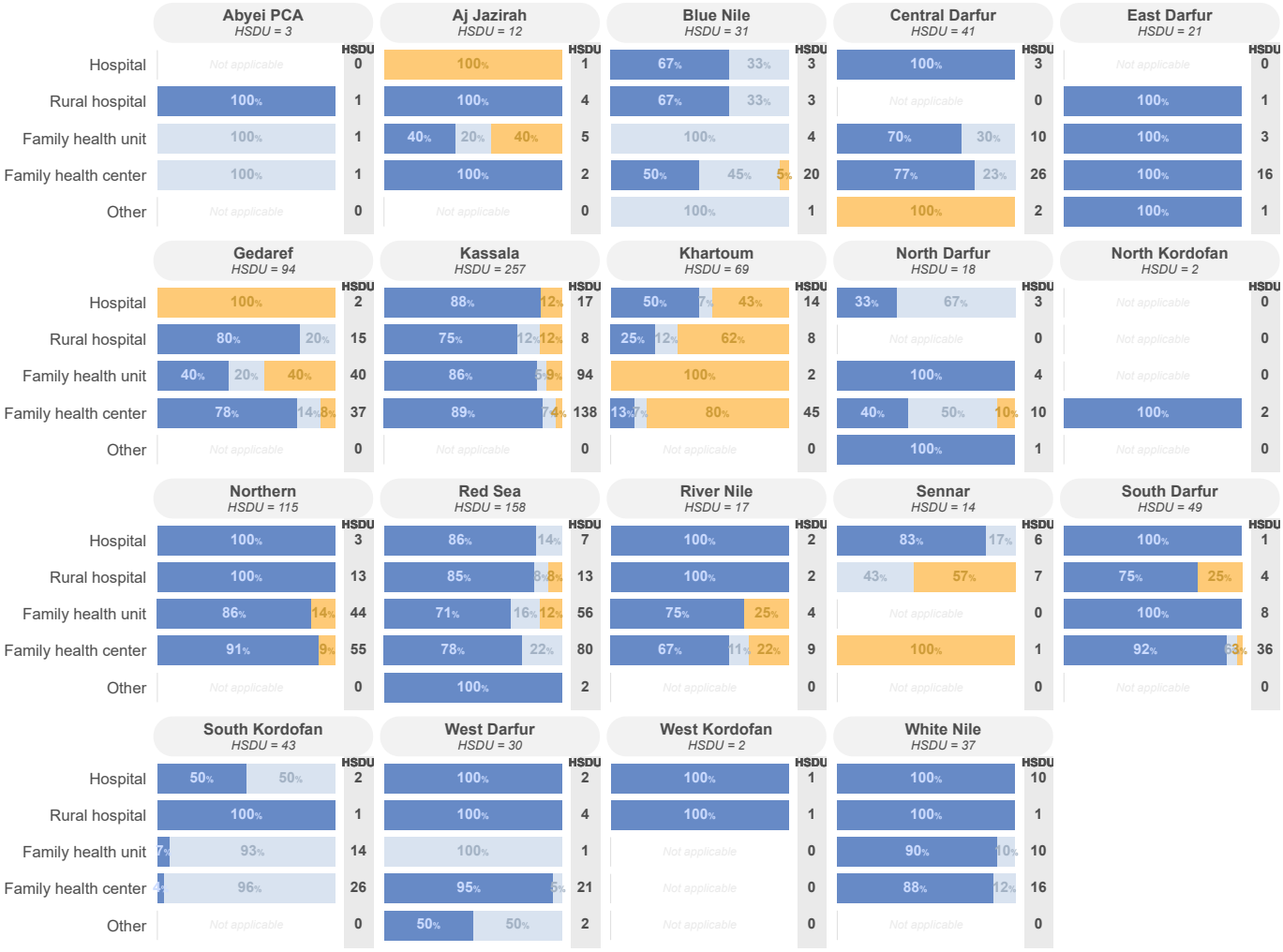
Availability status

- Available
- Partially available
- Not available
- Not normally provided
- Not operational

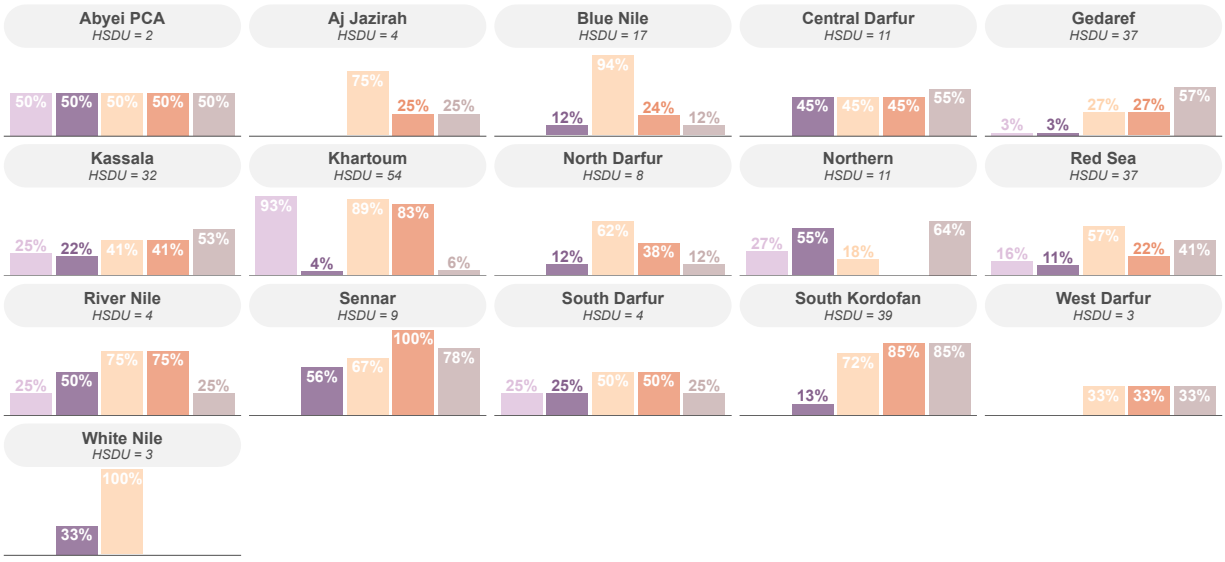
Maps

- Not reporting
- Number of HSDUs: 1, 120, 240

Service availability by HSDU type and state*



Barriers impeding service availability by state



Availability status

Available · Partially available · Not available

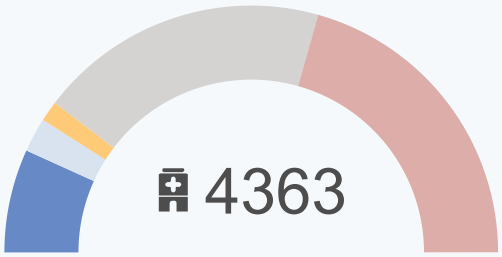
Barriers *for partial availability or non-availability.*

Lack of staff · Lack of supplies · Lack of financial resources · Lack of training · Lack of equipment

* Non-operational HSDU and those not normally providing the service are excluded from this chart.

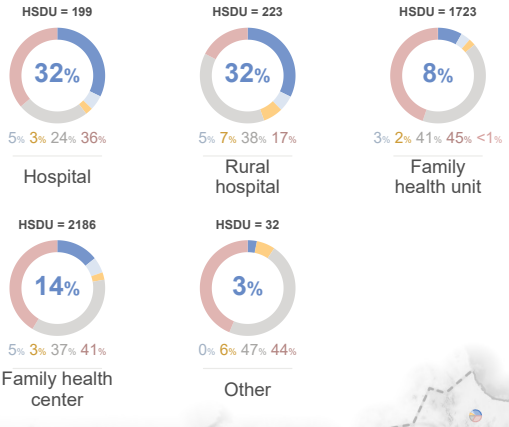
LOCAL PRIORITY DISEASES

Service availability[17]

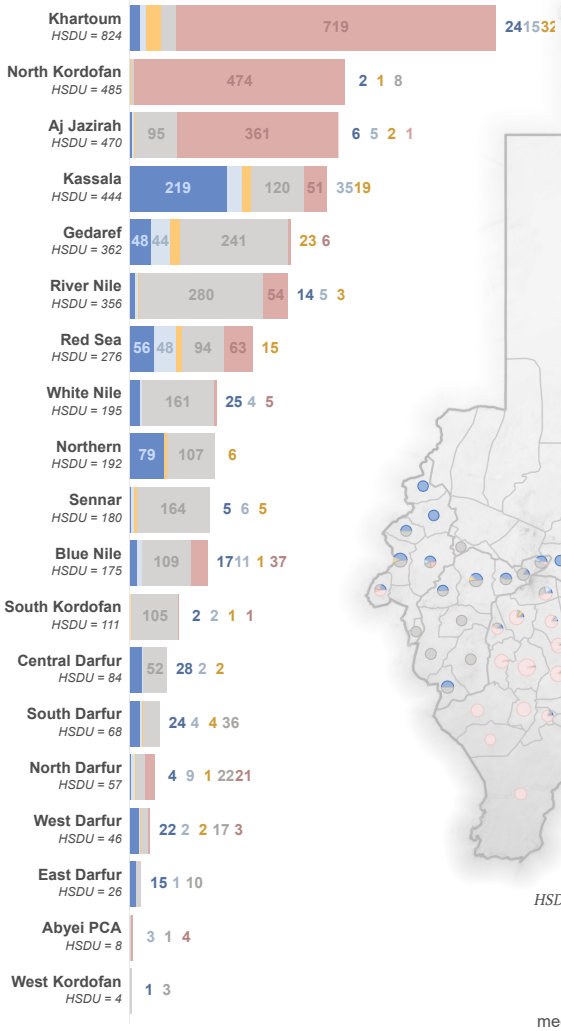


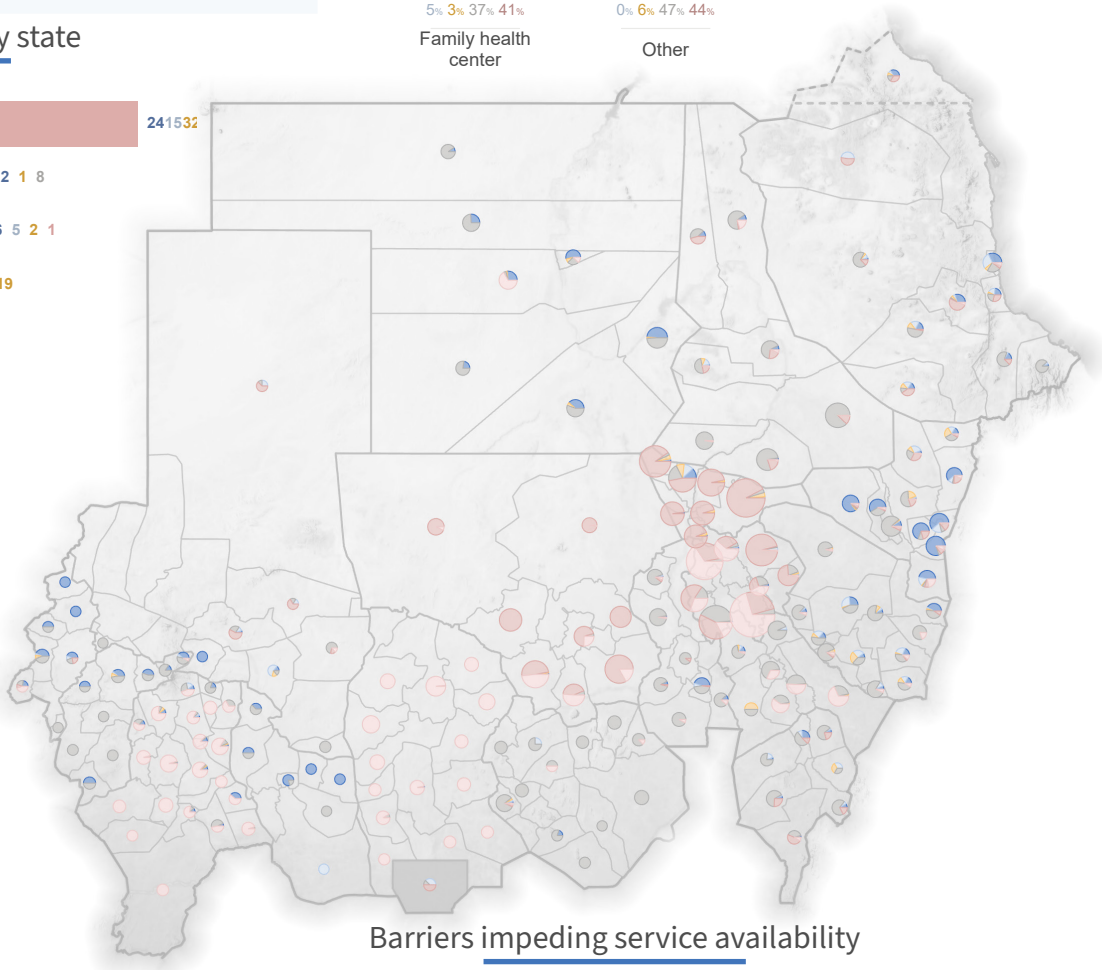
Labels	
14%	591
4%	196
3%	117
38%	1659
41%	1799
<0.1%	1

Service availability by HSDU type

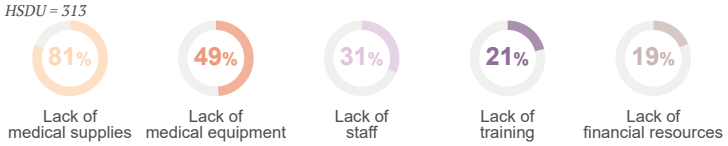


Service availability by state





Barriers impeding service availability



17 Diagnosis and management of other locally relevant diseases such as measles, viral hepatitis, diphtheria, pertussis, with protocols available for identification, classification, stabilization, and referral of severe cases.

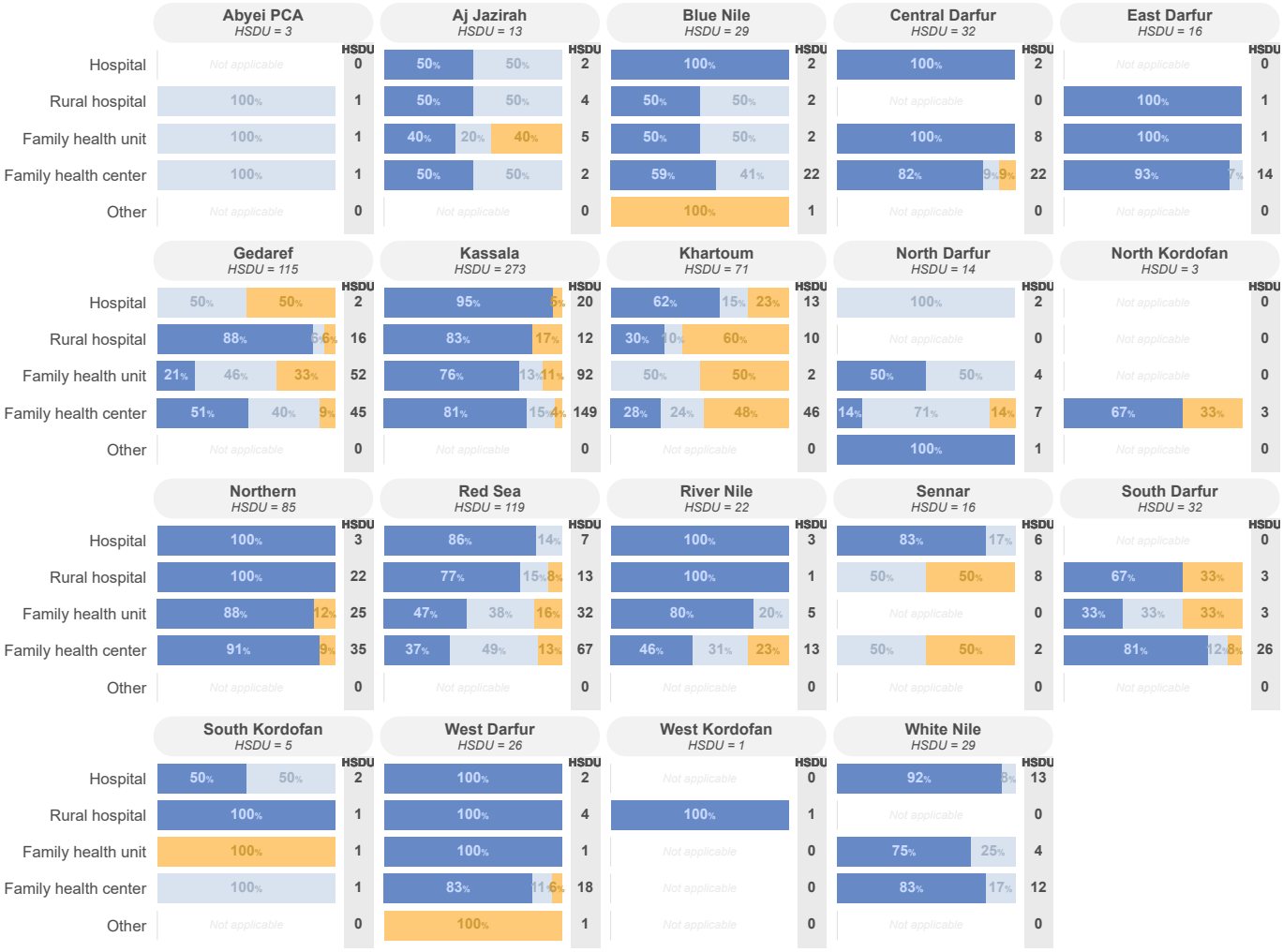
Availability status

- Available
- Partially available
- Not available
- Not normally provided
- Not operational

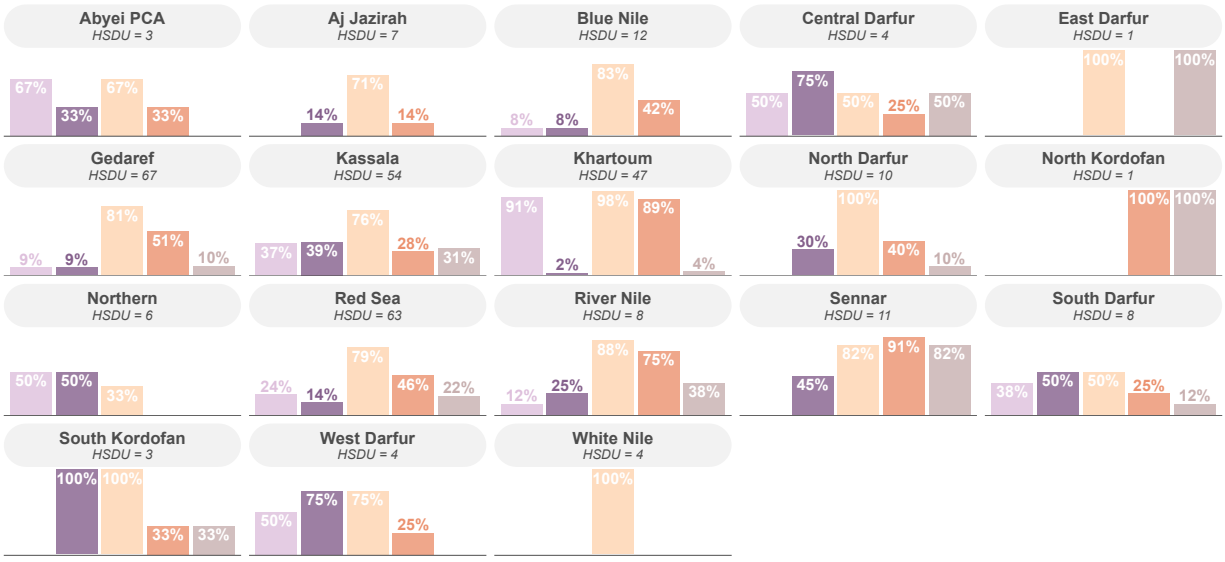
Maps

- Not reporting
- Number of HSDUs: 1, 120, 240

Service availability by HSDU type and state*



Barriers impeding service availability by state



Availability status

- Available
- Partially available
- Not available

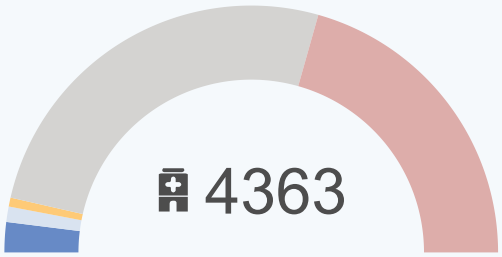
Barriers *for partial availability or non-availability.*

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

* Non-operational HSDU and those not normally providing the service are excluded from this chart.

MANAGEMENT OF SEVERE AND/ OR COMPLICATED COMMUNICABLE DISEASES

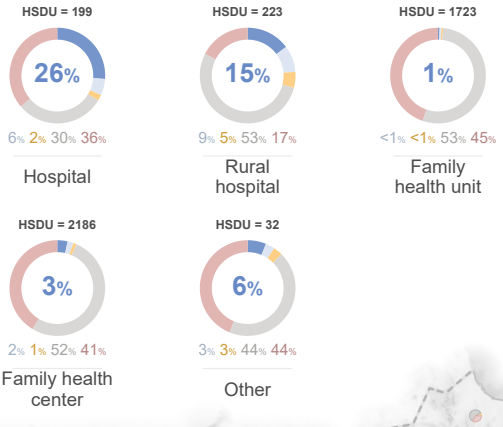
Service availability[18]



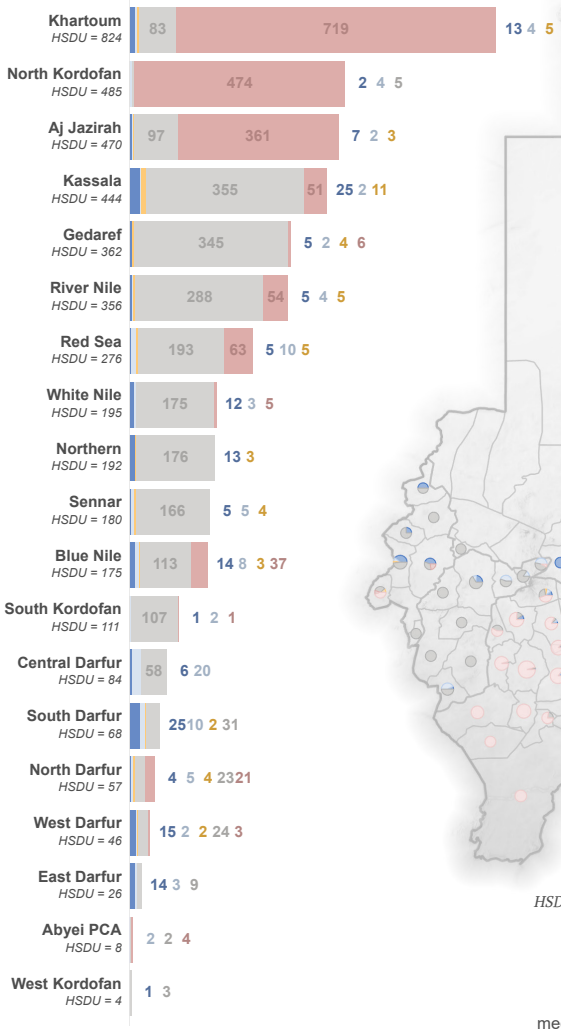
Labels

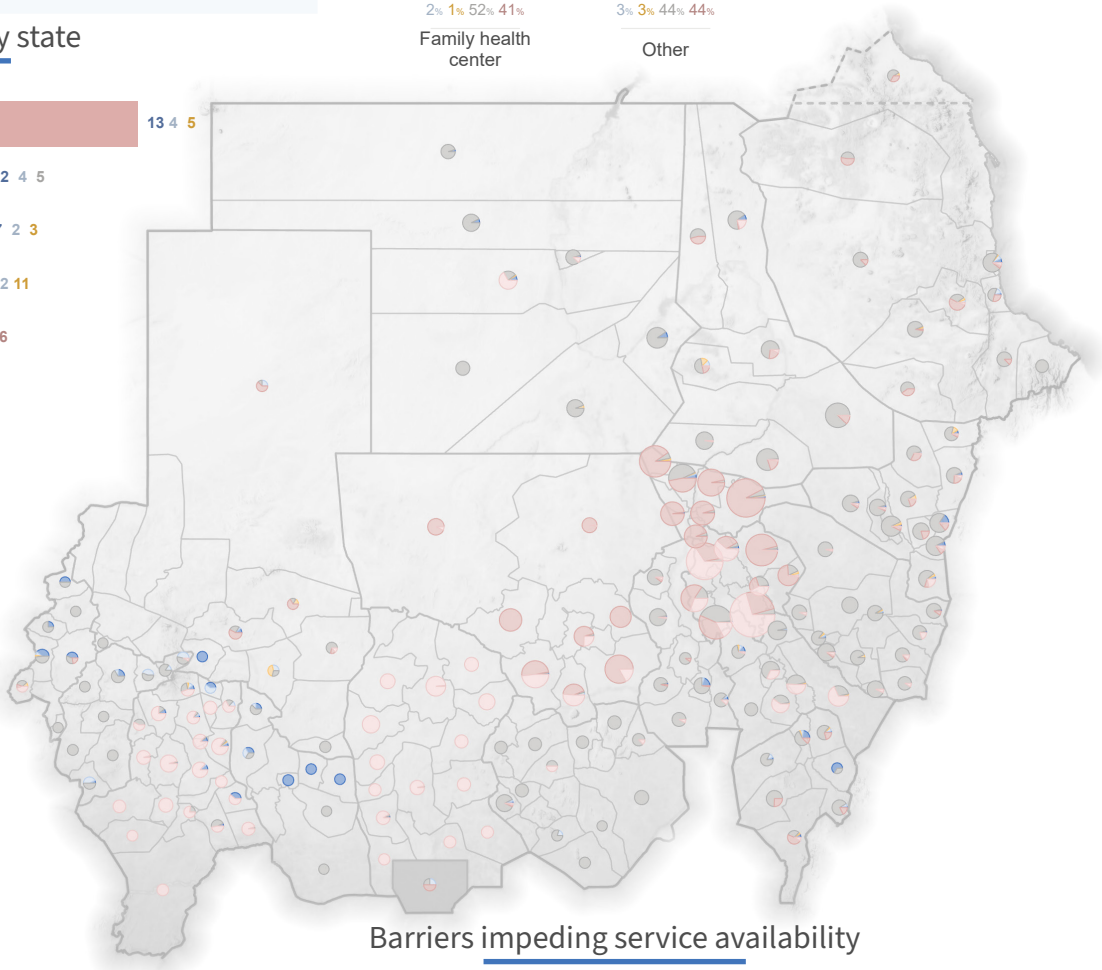
4%	172
2%	88
1%	51
52%	2253
41%	1799

Service availability by HSDU type



Service availability by state





Barriers impeding service availability

18 Management of severe and/or complicated communicable diseases such as measles with pneumonia, others.

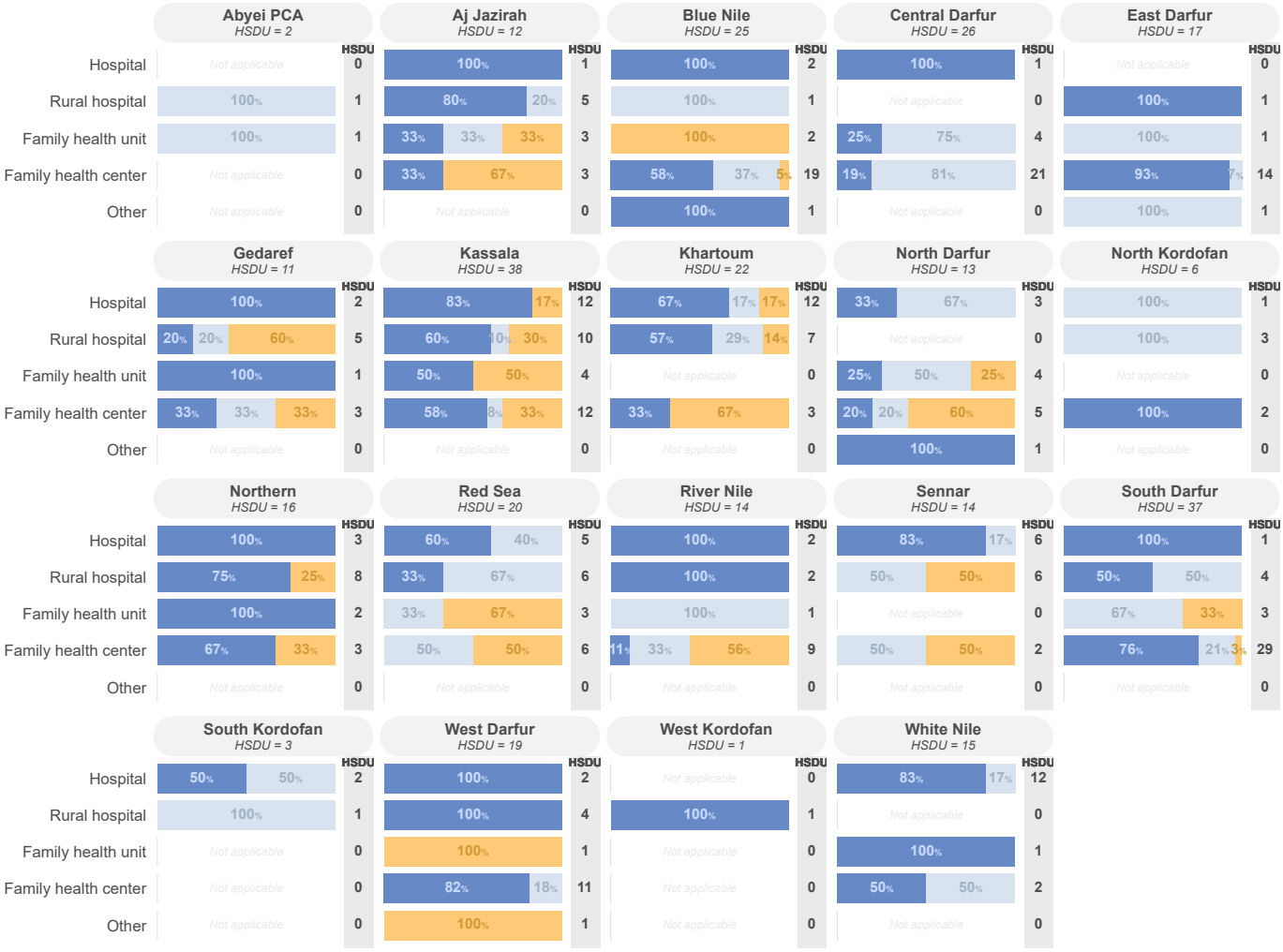
Availability status

Available
Partially available
Not available
Not normally provided
Not operational

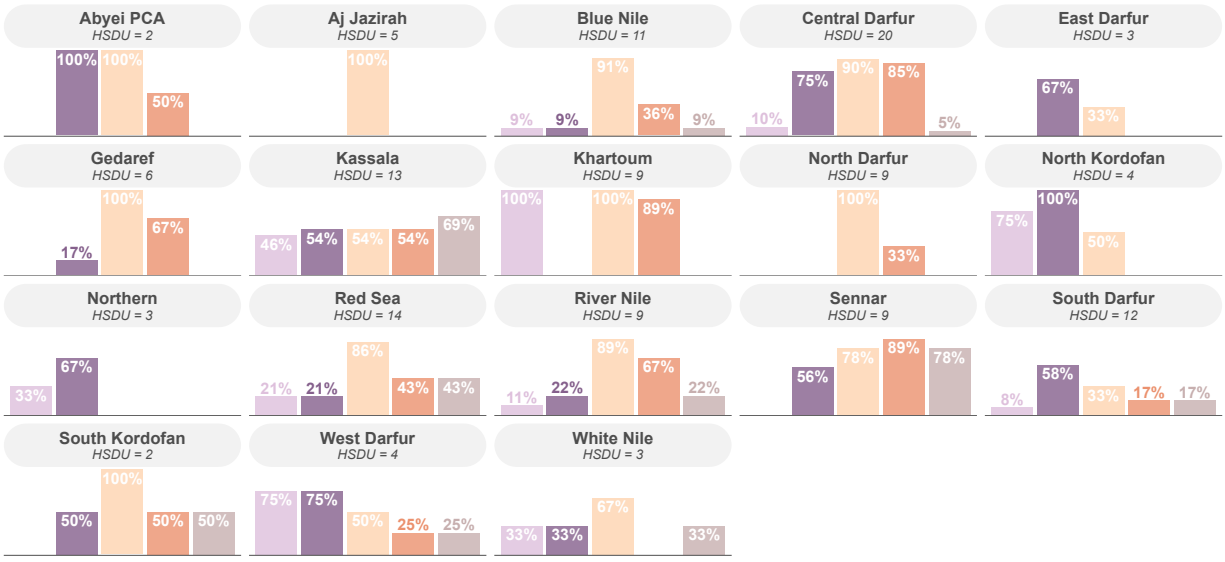
Maps

Not reporting
Number of HSDUs
1
120
240

Service availability by HSDU type and state*



Barriers impeding service availability by state



Availability status

- Available
- Partially available
- Not available

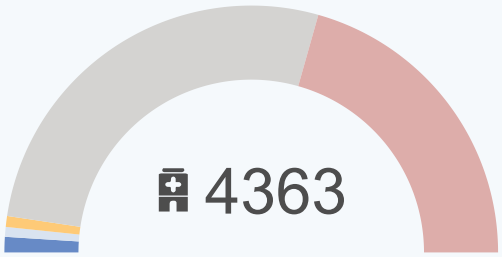
Barriers *for partial availability or non-availability.*

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

* Non-operational HSDU and those not normally providing the service are excluded from this chart.

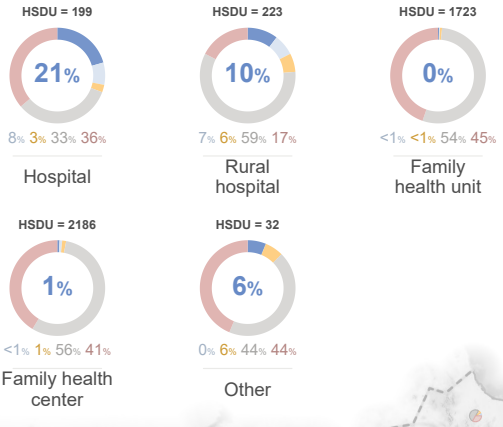
ISOLATION UNIT OR ROOM

Service availability[19]

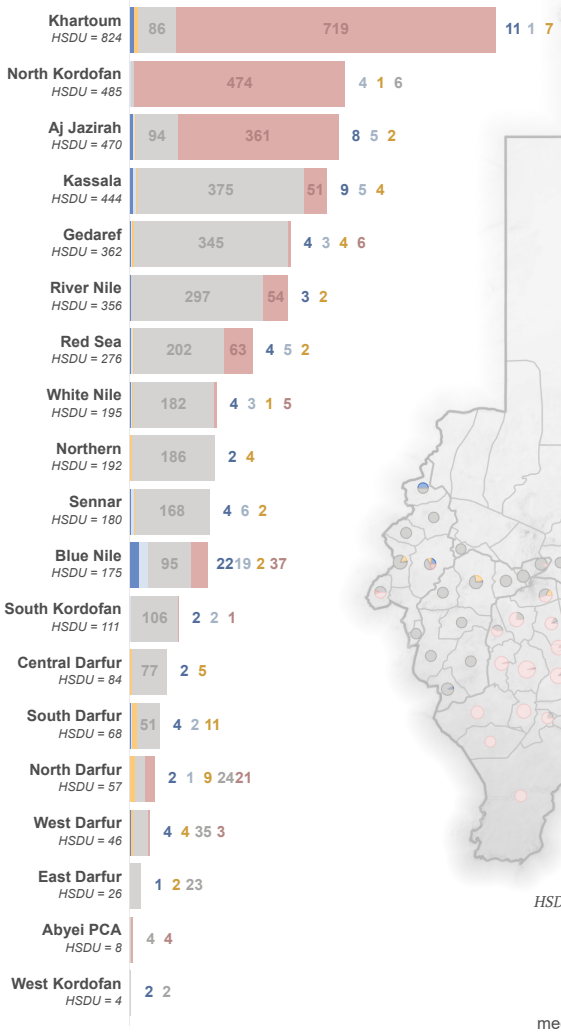


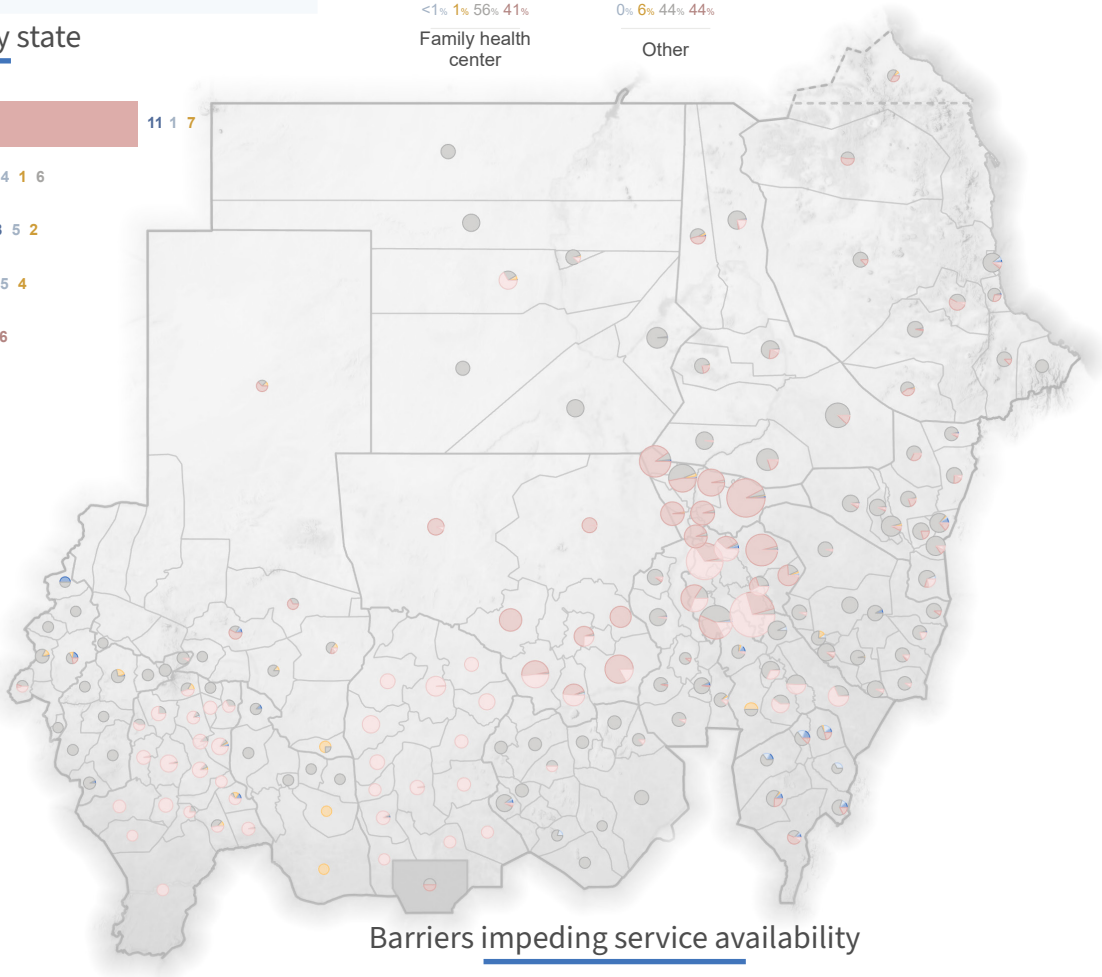
Labels	
2%	88
1%	56
1%	62
54%	2358
41%	1799

Service availability by HSDU type

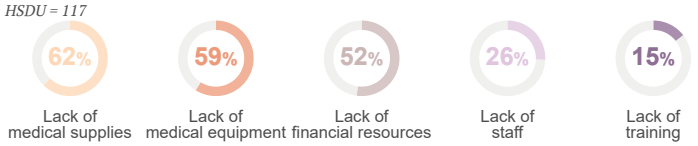


Service availability by state





Barriers impeding service availability



19 Isolation unit or room for patients with highly infectious diseases.

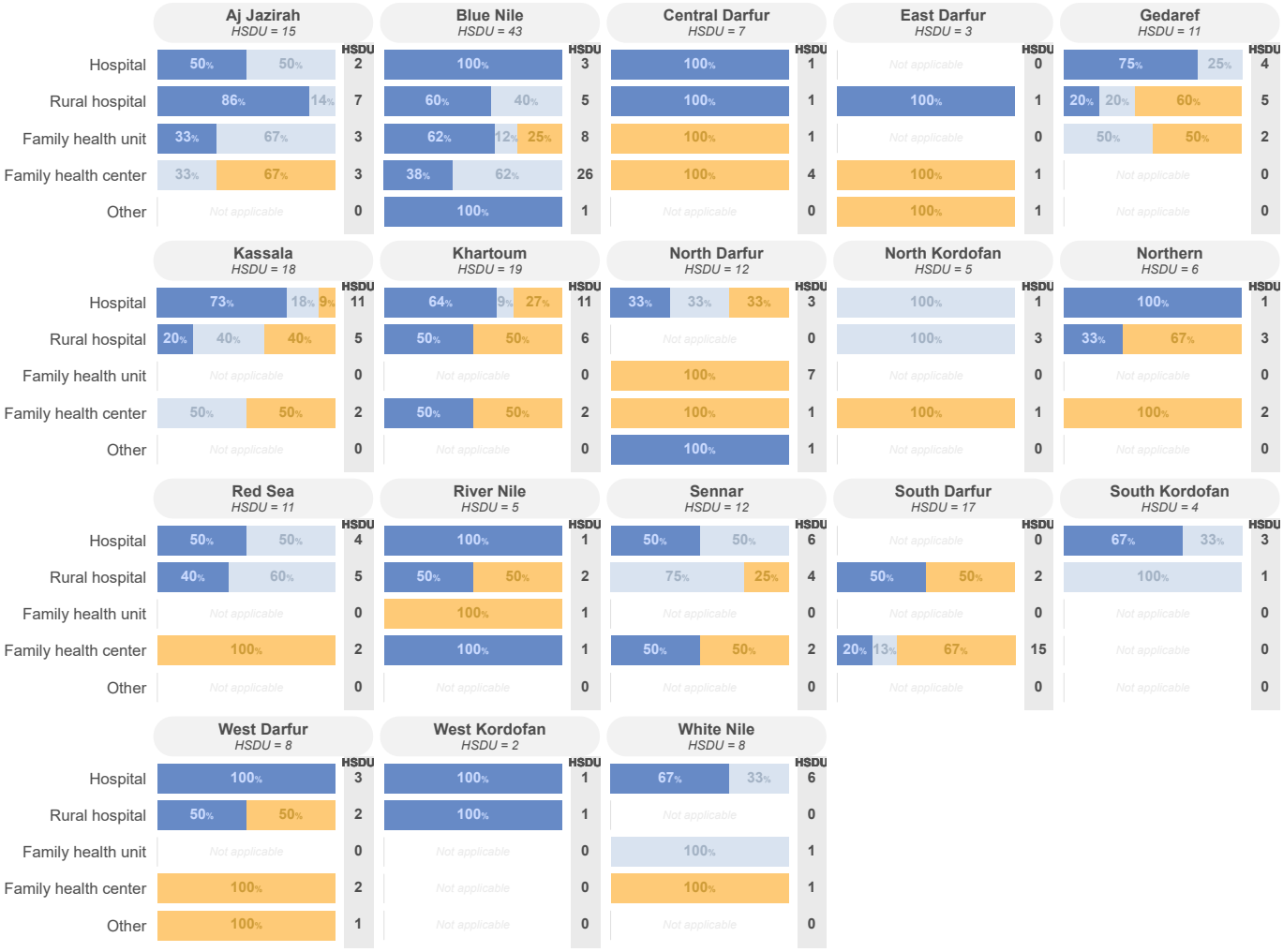
Availability status

- Available
- Partially available
- Not available
- Not normally provided
- Not operational

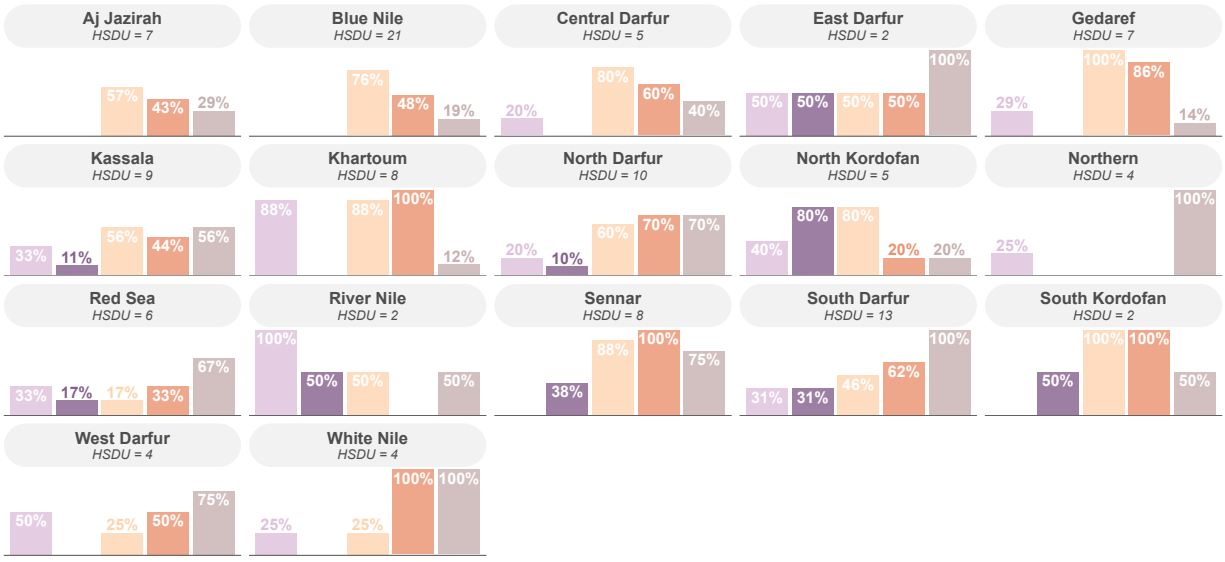
Maps

- Not reporting
- Number of HSDUs: 1, 120, 240

Service availability by HSDU type and state*



Barriers impeding service availability by state



Availability status

Available
Partially available
Not available

Barriers *for partial availability or non-availability.*

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

* Non-operational HSDU and those not normally providing the service are excluded from this chart.

ANNEX

ANNEX I: POPULATION ESTIMATES

State	Population estimates
KHARTOUM	5 941 286
AJ JAZIRAH	5 124 749
SOUTH DARFUR	3 895 007
NORTH DARFUR	3 461 818
NORTH KORDOFAN	3 444 769
WHITE NILE	3 392 274
GEDAREF	3 091 393
KASSALA	2 718 540
WEST KORDOFAN	2 612 654
SENNAR	2 532 326
EAST DARFUR	2 390 080
RED SEA	2 035 582
RIVER NILE	1 862 303
NORTHERN	1 446 861
SOUTH KORDOFAN	1 156 469
CENTRAL DARFUR	943 721
BLUE NILE	813 930
WEST DARFUR	618 178
ABYEI PCA	20 480
Grand total	***47 502 420***

ANNEX II: HeRAMS SERVICE DEFINITIONS

Service	Definition
SYNDROMIC SURVEILLANCE	Regular reporting sentinel site for syndromic surveillance of local relevant diseases/conditions.
EVENT-BASED SURVEILLANCE	Immediate reporting of unexpected or unusual health events through an event-based surveillance system.
MALARIA AT THE COMMUNITY LEVEL	Diagnosis and treatment of malaria, cases or detection and referral of suspected cases, and follow-up.
MALARIA AT THE PRIMARY CARE LEVEL	Diagnosis of malaria suspected cases with rapid diagnostic test and treatment of positive cases, or detection and referral of suspected cases, and follow-up.
VECTOR CONTROL	Distribution of impregnated bed nets, in/outdoor insecticide spraying, distribution of related information, education and communications (IEC) materials.
SUPPORT MASS DRUG ADMINISTRATION	Mobilize communities and support mass drug administration/treatment campaigns.
TUBERCULOSIS	Diagnosis and treatment of tuberculosis cases, or detection and referral of suspected cases, and follow-up.
MULTIDRUG-RESISTANT TUBERCULOSIS	Diagnosis, management, and follow-up of multidrug-resistant tuberculosis patients.
IEC ON LOCAL PRIORITY DISEASES	IEC on the prevention and self-care of local priority diseases, such as acute diarrhea and acute respiratory infections.
LOCAL PRIORITY DISEASES	Diagnosis and management of other locally relevant diseases such as measles, viral hepatitis, diphtheria, pertussis, with protocols available for identification, classification, stabilization, and referral of severe cases.
MANAGEMENT OF SEVERE AND/OR COMPLICATED COMMUNICABLE DISEASES	Management of severe and/or complicated communicable diseases such as measles with pneumonia, others.
ISOLATION UNIT OR ROOM	Isolation unit or room for patients with highly infectious diseases.


HeRAMS