

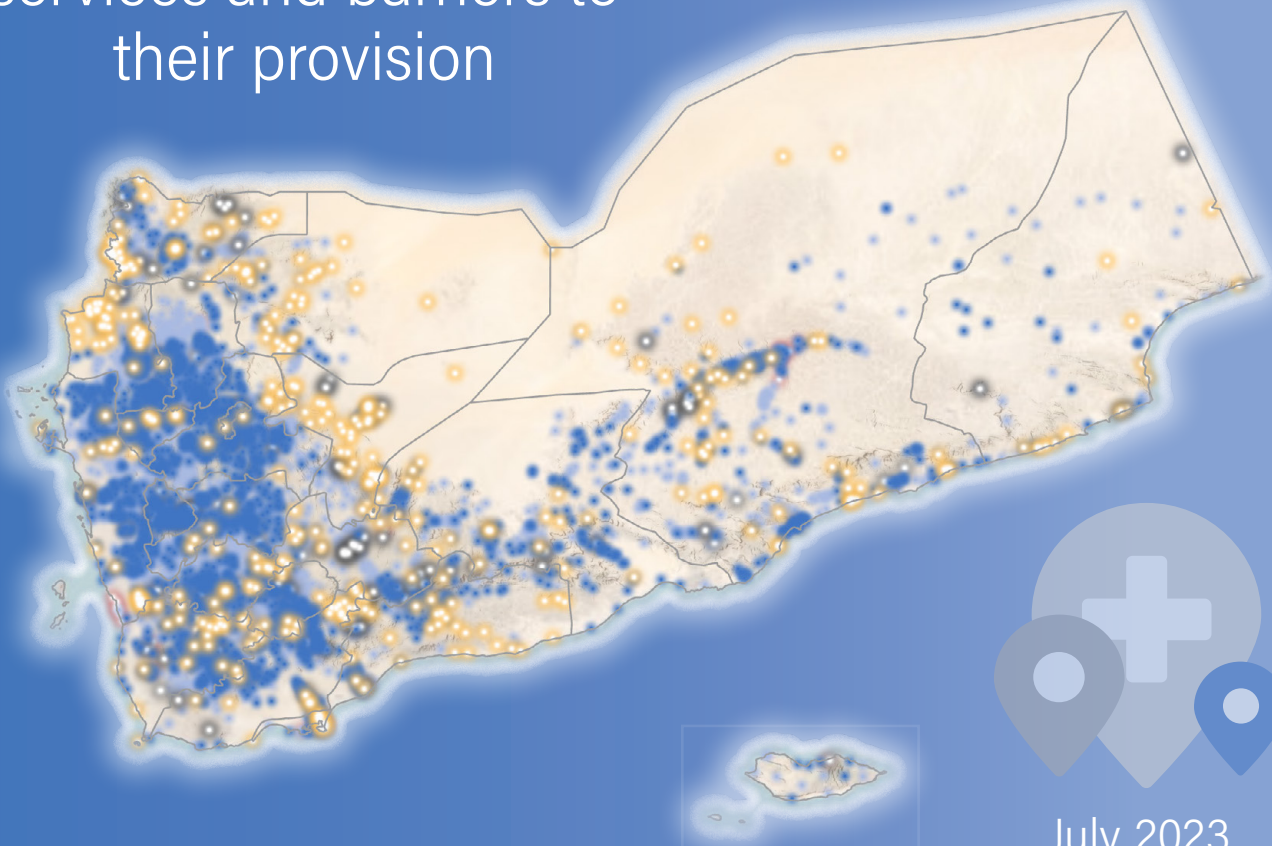
HeRAMS Yemen

Baseline report 2023



NON-COMMUNICABLE DISEASE AND MENTAL HEALTH SERVICES

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



July 2023

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HeRAMS YEMEN

BASELINE REPORT 2023

Non-communicable disease and mental health services

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

July 2023



Ministry of Public Health & Population

وزارة الصحة العامة والسكان



World Health
Organization



HeRAMS
Health Resources and Services
Availability Monitoring System



WORLD BANK GROUP

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ACRONYMS

COPD	Chronic obstructive pulmonary disease
NCD	Non-communicable disease
HeRAMS	Health Resources and Services Availability Monitoring System
HF	Health facility
WHO	World Health Organization



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 requiring 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 non-governmental organizations (NGOs), 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 Yemen since 2017 and has allowed for the assessment of 5301 health facilities across the country, against 5536 health facilities targeted.

This analysis was produced based on the data collected up to 4 July 2023 and while the deployment of HeRAMS, including data verification and validation, continue. Hence, this analysis is not final and is produced solely for the purposes of informing operations.

This is the sixth report of the *HeRAMS Yemen baseline report 2023* series focusing on the availability of non-communicable disease and mental health 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 (a) essential clinical and trauma care services², (b) child health and nutrition services³, (c) communicable disease services⁴, and (d) maternal and newborn 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 Yemen baseline report 2023 - Operational status of the health system: A comprehensive mapping of the operational status health facilities, <https://www.who.int/publications/m/item/herams-yemen-baseline-report-2023-operational-status-of-the-health-system>.

² HeRAMS Yemen baseline report 2023 - General clinical and trauma care services: A comprehensive mapping of availability of essential services and barriers to their provision, <https://www.who.int/publications/m/item/herams-yemen-baseline-report-2023-general-clinical-and-trauma-care-services>.

³ HeRAMS Yemen baseline report 2023 - Child health and nutrition services: A comprehensive mapping of availability of essential services and barriers to their provision, <https://www.who.int/publications/m/item/herams-yemen-baseline-report-2023-child-health-and-nutrition-services>.

⁴ HeRAMS Yemen baseline report 2023 - Communicable disease services: A comprehensive mapping of availability of essential services and barriers to their provision, <https://www.who.int/publications/m/item/herams-yemen-baseline-report-2023-communicable-disease-services>.

⁵ HeRAMS Yemen baseline report 2023 - Maternal and newborn services: A comprehensive mapping of availability of essential services and barriers to their provision, <https://www.who.int/publications/m/item/herams-yemen-baseline-report-2023-maternal-and-newborn-services>.



PART I:

OVERVIEW OF THE AVAILABILITY OF NON-COMMUNICABLE DISEASE AND MENTAL HEALTH SERVICES



HOW TO READ THE CHARTS

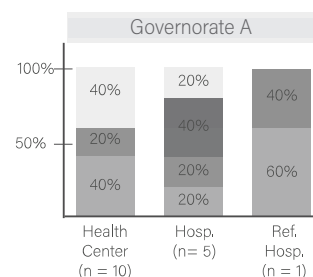
Service availability

The first part of the report provides an overview of availability of non-communicable disease and mental health services. It should be noted that the analysis was limited to operational health facilities. A summary of health facilities assessed and their operational status is available on page 3. Further details on the operational status of health facilities can be found in the first report of the *HeRAMS Yemen baseline report 2023* series.

Bar chart

Overall availability of the service package is shown disaggregated by governorate and health facility type. The number of health facilities included is displayed below the health facility type name.

It should be noted that the number of services included was limited to health services expected based on national guidelines and depends on the type of health facility. Further details on services included for each type of health facilities is shown in [annex I](#).



Service availability per population (heat map)

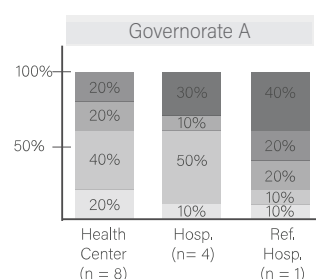
Service	Governorate A	Governorate B	Governorate C	Governorate D	Governorate E
Service 1	0.9	0	0.4	2.1	0.7
Service 2	0.4	0	0.9	3.5	0.7
Service 3	0.3	0	0.7	0.3	0.2
Service 4	0.8	0	0.4	0.8	0.6
Service 5	0.5	0	0.9	1.9	0.8

A more detailed overview of availability of individual services is shown as heat maps. Each cell indicates the number of health facilities providing a given service in relation to the catchment population. It should be noted that different catchment areas were used for referral and specialized health services (i.e. provincial vs. regional population estimates). For more details on population estimates, see [annex II](#).

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.

Main barriers impeding availability impeding service availability

Bar chart



For services not or only partially available, main barriers impeding service delivery are displayed as percentage of all barriers reported. Alike for service availability, bar charts display main barriers were disaggregated by health facility type and governorate. For each health facility type, the total number of barriers reported across the health service domain is indicated below the health facility type name. Note that for each service, up to three barriers could be reported. Hence, the percentages shown in these charts should not be used to make any conclusion on the percentage of health facilities having reported a barrier. For a conclusion on the frequency of health facilities reporting a given barrier, please refer to the heat map below.

Heat map

Service	Governorate A	Governorate B	Governorate C	Governorate D	Governorate E
Service 1	2 20%	8 80%	5 50%	1 10%	5 50%
Service 2	6 60%	2 20%	1 10%	5 50%	7 70%
Service 3	8 80%	4 40%	4 40%	7 70%	2 20%
Service 4	3 30%	7 70%	1 10%	5 50%	5 50%
Service 5	1 10%	3 30%	2 20%	3 30%	3 30%

Heat maps provide additional insights on main barriers for individual services by catchment area. Cell opacity levels indicate the percentage of health facilities in the catchment area reporting a given barriers. The integer inside the cell denotes the number of health facilities reporting a given barrier while the percentage indicates the percentage of health facilities reporting the barrier. Note that health facilities not reporting a barrier (i.e. health facilities where the service is fully available or not normally provided) were excluded from these charts.

OVERVIEW OF HEALTH FACILITIES ASSESSED

Summary of health facilities assessed

5536 targeted health facilities



138 Closed
59 Planned
38 Not reporting

5301 health facilities assessed


Building condition



103 Fully damaged
469 Partially damaged
1 Not relevant


Equipment condition



160 Fully damaged
640 Partially damaged
4 Not reporting


Functionality

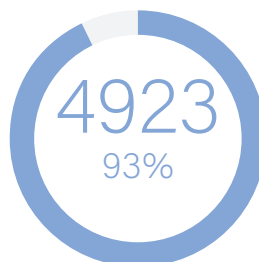


275 Not functioning
2048 Partially functioning


Accessibility



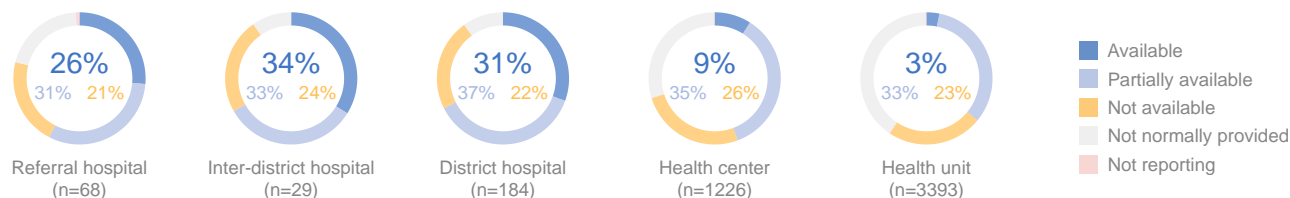
0 Not accessible
1359 Partially accessible



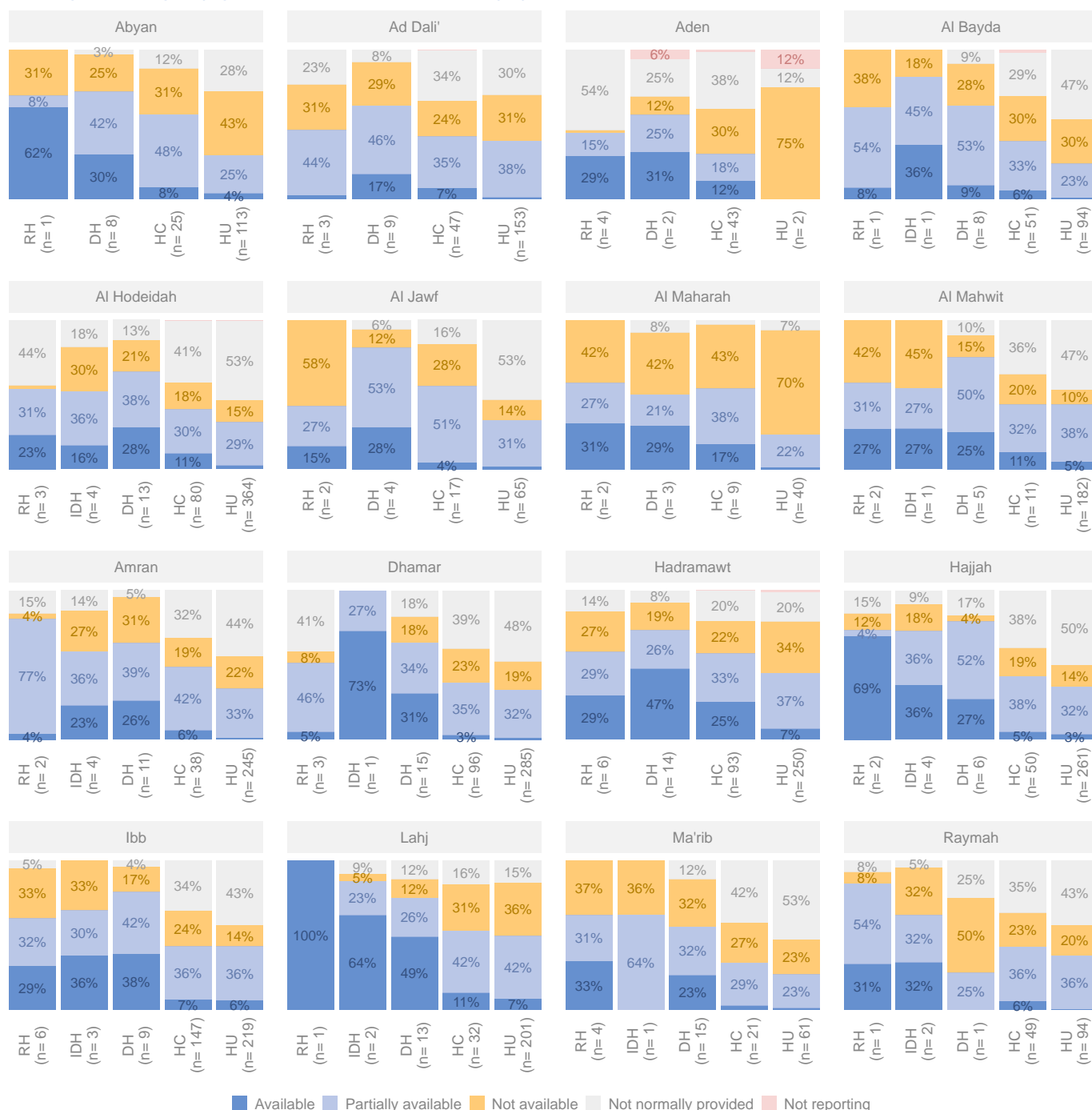
4923
93% Fully or partially operational health facilities
(out of the assessed health facilities)

AVAILABILITY OF SERVICE PACKAGE AND MAIN BARRIERS

Package coverage by health facility type⁶

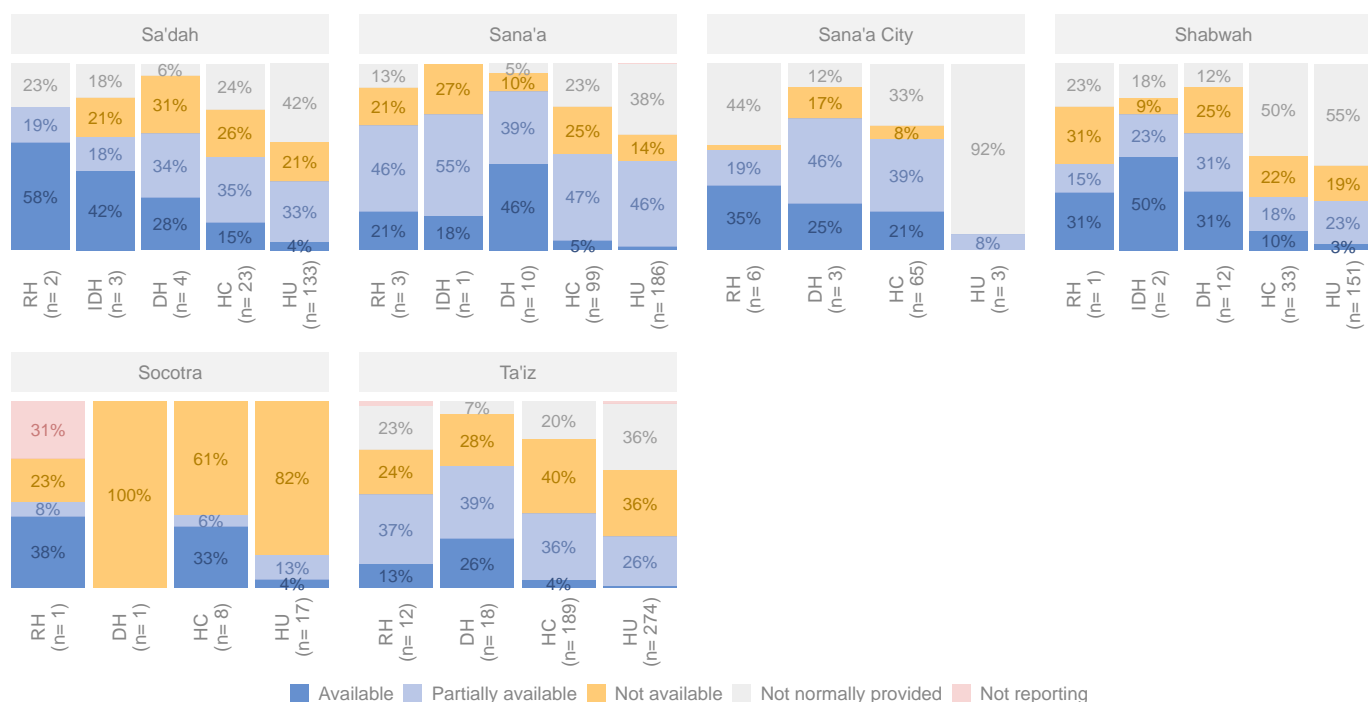


Package coverage by governorate and health facility type⁶

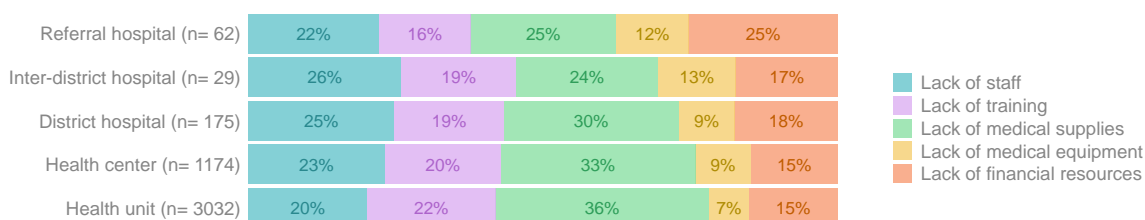


⁶ Number of services included may vary from one health facility type to another. The "Other" HF type has been excluded as it includes very different and specialized HFs. See [Annex I](#) for a full description of the services included for each health facility type.

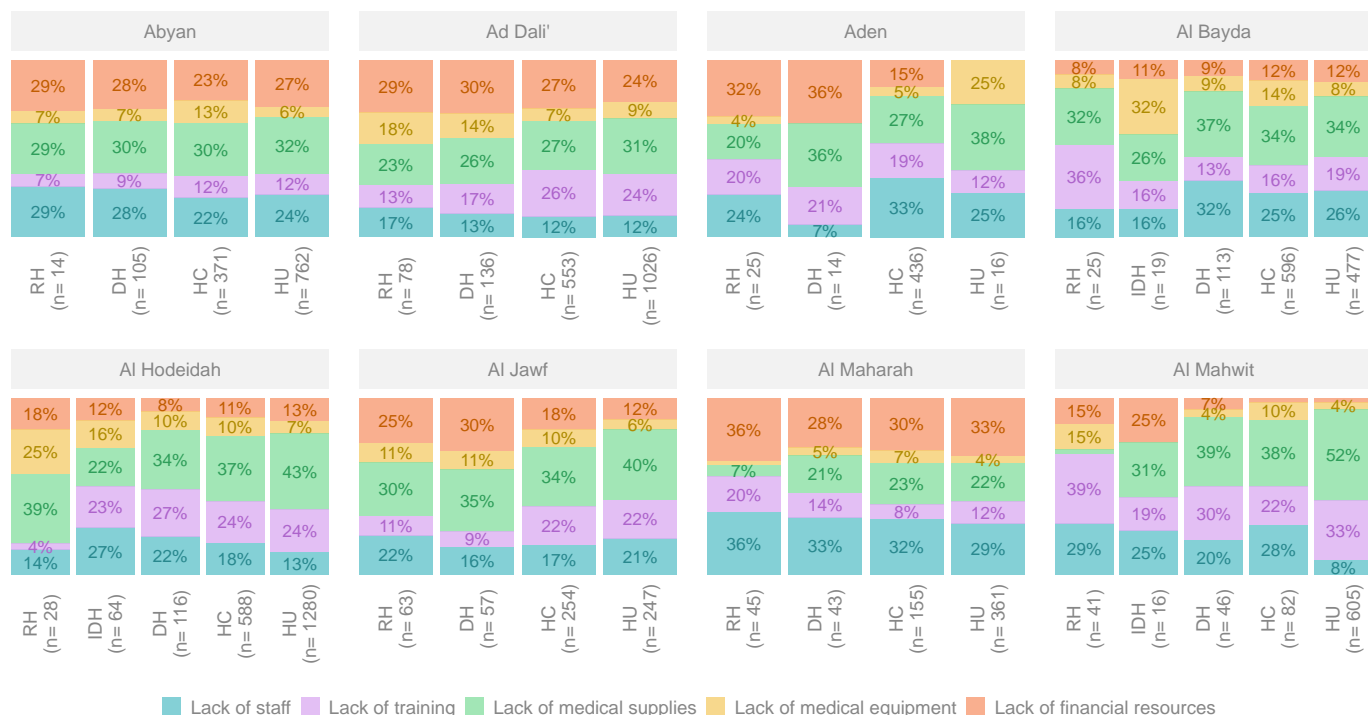
Availability of essential services by governorate and health facility type (cont.)



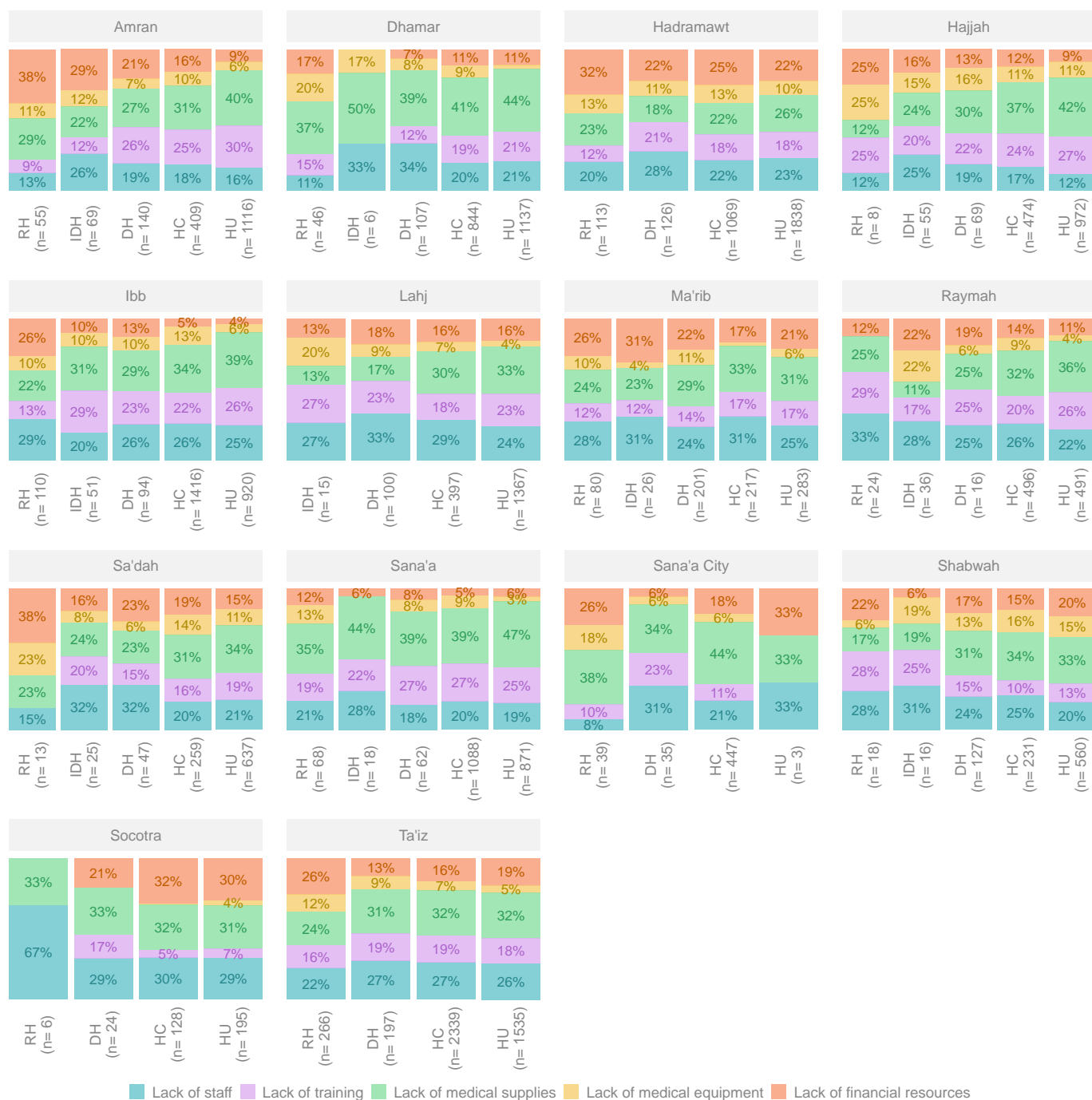
Main barriers impeding availability of essential health services by health facility type



Main barriers impeding availability of essential health services by governorate and health facility type

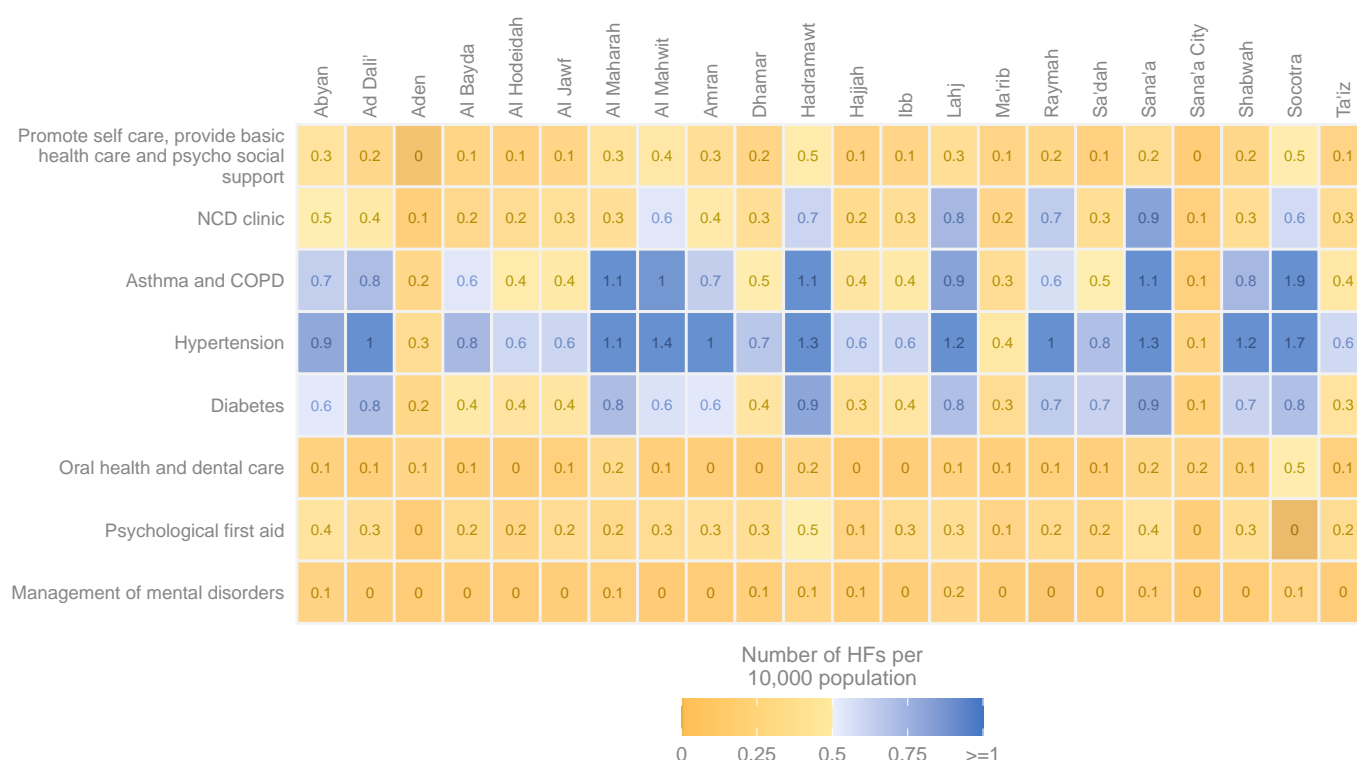


Main barriers impeding availability of essential health services by governorate and health facility type

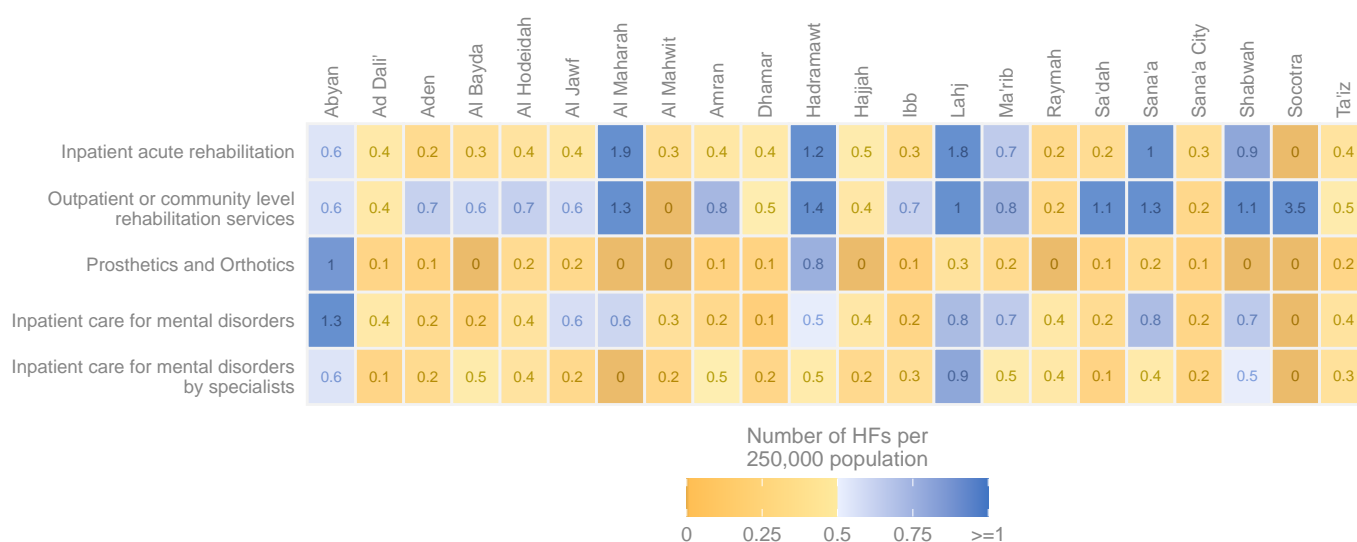


SERVICE AVAILABILITY BY CATCHMENT POPULATION

Number of health facilities providing essential community and primary services per 10,000 population^{7,8}



Number of health facilities providing specialized services per 250,000 population⁷

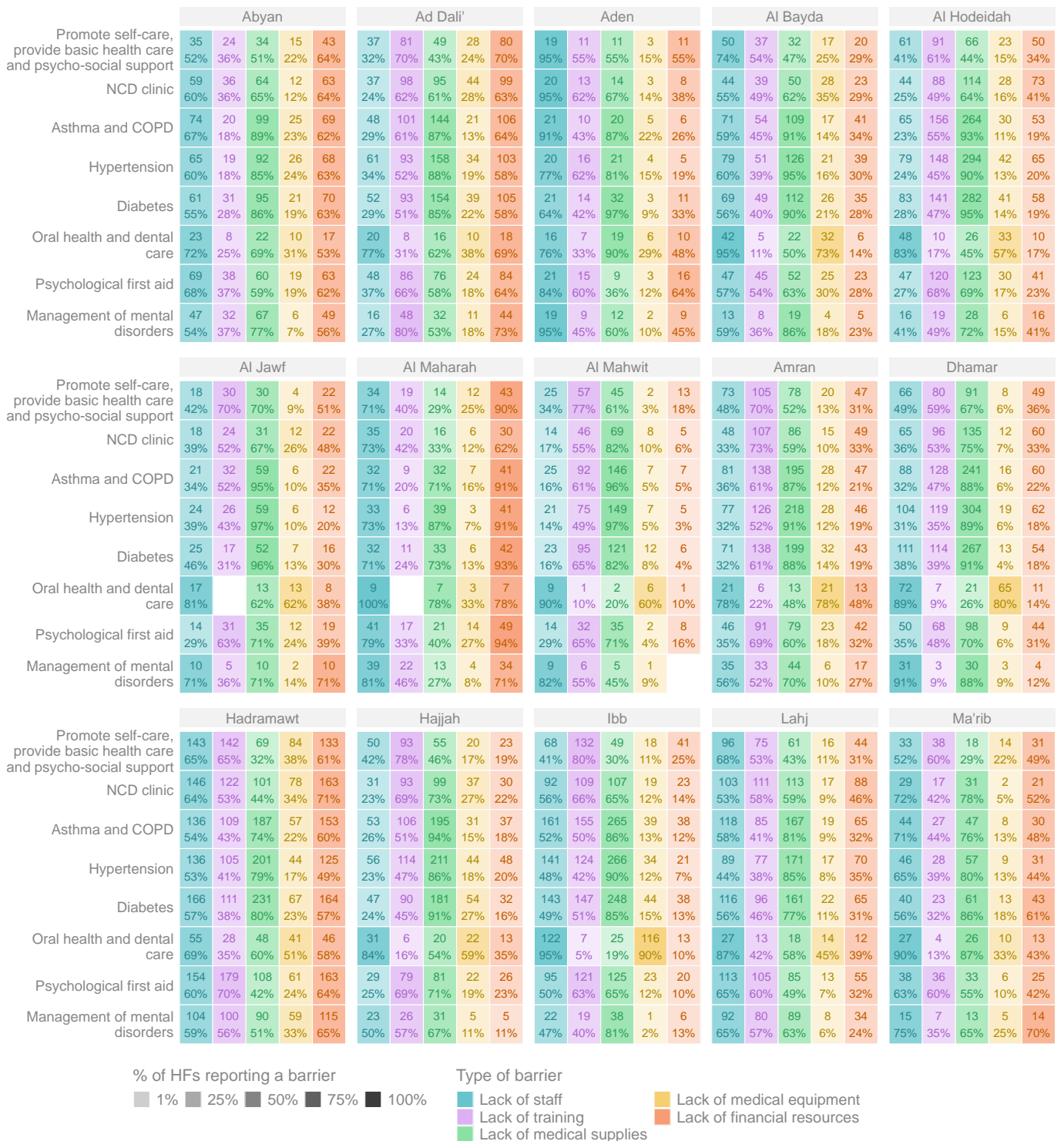


⁷ Sphere minimum standard: 1 HF per 10,000 population and 1 hospital per 250,000 population. See annex II for population estimates by governorate and by district.

⁸ Note: While the average number of health facilities providing essential health services per population is a useful metric for high-level comparisons, it is recommended that geospatial accessibility models be developed. By taking into account additional factors such as travel time, these models provide a more accurate reflection of the actual accessibility to and coverage of essential health services.

MAIN BARRIERS IMPEDING SERVICE DELIVERY

Main barriers impeding availability of essential community and primary health services by governorate



Main barriers impeding availability of essential community and primary health services by governorate (cont.)

	Raymah					Sa'dah					Sana'a					Sana'a City					Shabwah				
Promote self-care, provide basic health care and psycho-social support	15	13	12	4	7	41	54	36	14	26	59	152	76	11	23	10	11	7	2	9	28	26	16	17	15
	62%	54%	50%	17%	29%	53%	70%	47%	18%	34%	32%	82%	41%	6%	12%	53%	58%	37%	11%	47%	57%	53%	33%	35%	31%
NCD clinic	54	60	59	11	21	33	41	44	21	21	77	144	191	21	33	26	16	44	14	28	35	22	38	24	41
	58%	65%	63%	12%	23%	41%	51%	54%	26%	26%	33%	62%	82%	9%	14%	44%	27%	75%	24%	47%	50%	31%	54%	34%	59%
Asthma and COPD	28	41	67	6	19	41	42	81	20	37	101	108	230	11	24	17	15	39	8	15	45	25	79	30	34
	38%	55%	91%	8%	26%	43%	44%	85%	21%	39%	41%	44%	93%	4%	10%	39%	34%	89%	18%	34%	47%	26%	82%	31%	35%
Hypertension	54	65	107	8	40	55	43	104	26	44	101	99	248	20	24	13	4	39	2	8	47	34	99	40	45
	45%	54%	88%	7%	33%	44%	35%	84%	21%	35%	38%	38%	94%	8%	9%	32%	10%	95%	5%	20%	38%	27%	80%	32%	36%
Diabetes	64	66	113	16	35	63	48	104	37	46	82	107	221	12	21	10	4	64	3	14	52	26	97	38	39
	50%	52%	89%	13%	28%	50%	38%	83%	29%	37%	35%	46%	94%	5%	9%	15%	6%	98%	5%	22%	46%	23%	86%	34%	35%
Oral health and dental care	37	5	14	28	12	20	2	13	14	15	65	8	21	57	5	5		9	6	3	17	4	14	8	8
	88%	12%	33%	67%	29%	77%	8%	50%	54%	58%	92%	11%	30%	80%	7%	42%		75%	50%	25%	77%	18%	64%	36%	36%
Psychological first aid	28	29	39	8	16	27	30	32	8	18	44	129	81	6	17	17	12	21	1	12	46	28	51	22	23
	50%	52%	70%	14%	29%	59%	65%	70%	17%	39%	27%	79%	50%	4%	10%	59%	41%	72%	3%	41%	60%	36%	66%	29%	30%
Management of mental disorders	11	6	5	1	3	15	10	11	3	7	14	17	25	5	1	11	1	11	1	3	22	13	19	5	17
	92%	50%	42%	8%	25%	79%	53%	58%	16%	37%	44%	53%	78%	16%	3%	85%	8%	85%	8%	23%	63%	37%	54%	14%	49%
	Socotra					Ta'iz																			
Promote self-care, provide basic health care and psycho-social support	22	5	23	1	23	188	218	74	20	114															
	85%	19%	88%	4%	88%	57%	66%	23%	6%	35%															
NCD clinic	22	5	19	2	21	183	132	189	62	155															
	96%	22%	83%	9%	91%	55%	40%	57%	19%	47%															
Asthma and COPD	15	5	19	2	16	213	154	334	33	124															
	79%	26%	100%	11%	84%	55%	40%	86%	9%	32%															
Hypertension	15	3	18	2	16	194	133	347	21	130															
	83%	17%	100%	11%	89%	48%	33%	87%	5%	32%															
Diabetes	20	3	21	3	19	216	151	355	49	147															
	91%	14%	95%	14%	86%	53%	37%	87%	12%	36%															
Oral health and dental care	6	3	6	1	5	137	10	69	96	54															
	86%	43%	86%	14%	71%	85%	6%	43%	59%	33%															
Psychological first aid	22	6	25	1	25	201	222	154	21	137															
	81%	22%	93%	4%	93%	57%	63%	44%	6%	39%															
Management of mental disorders	23	4	26		24	108	75	106	14	88															
	88%	15%	100%		92%	62%	43%	61%	8%	50%															

% of HFs reporting a barrier

1% 25% 50% 75% 100%

Type of barrier

Lack of staff
Lack of training
Lack of medical supplies

Lack of medical equipment
Lack of financial resources

Main barriers impeding availability of specialized services by governorate

	Abyan					Ad Dali'					Aden					Al Bayda					Al Hodeidah				
Inpatient acute rehabilitation	7	2	11	5	10	2	6	6	5	11	1			1	1	5	5	1	6	4	4	4	4	7	4
	54%	15%	85%	38%	77%	18%	55%	55%	45%	100%	100%			100%	100%	56%	56%	11%	67%	44%	44%	44%	44%	78%	44%
Outpatient or community level rehabilitation services	14	6	11	3	12	3	7	10	4	11	4	2	2		5	12	6	7	9	4	8	8	19	13	12
	78%	33%	61%	17%	67%	23%	54%	77%	31%	85%	80%	40%	40%		100%	75%	38%	44%	56%	25%	29%	29%	68%	46%	43%
Prosthetics and Orthotics	9	4	6	2	9	8	1	1	7	10	3	3			3	6	3	4	6	7	9	4	6	9	5
	82%	36%	55%	18%	82%	80%	10%	10%	70%	100%	100%	100%			100%	55%	27%	36%	55%	64%	56%	25%	38%	56%	31%
Inpatient care for mental disorders	18	12	15		13	6	1	5	6	8	1		1		1	8	3	8	4	3	9	5	9	3	2
	78%	52%	65%		57%	67%	11%	56%	67%	89%	100%		100%		100%	80%	30%	80%	40%	30%	75%	42%	75%	25%	17%
Inpatient care for mental disorders by specialists	12	2	9	1	11	6		3	4	7	1	1		1		5	2	1	2	3	4	7	4		3
	92%	15%	69%	8%	85%	86%		43%	57%	100%	100%	100%		100%		83%	33%	17%	33%	50%	44%	78%	44%		33%
	Al Jawf					Al Maharah					Al Mahwit					Amran					Dhamar				
Inpatient acute rehabilitation	4	1	5	4	6	3	2	1	1	2	3	3	2	3	2	9	8	7	4	7	4	2	3	2	3
	50%	12%	62%	50%	75%	75%	50%	25%	25%	50%	50%	50%	33%	50%	33%	53%	47%	41%	24%	41%	57%	29%	43%	29%	43%
Outpatient or community level rehabilitation services	5		6	3	5	6	1	3	1	6	23	5	5	1	2	21	12	20	6	9	9	7	17	7	9
	71%		86%	43%	71%	100%	17%	50%	17%	100%	92%	20%	20%	4%	8%	68%	39%	65%	19%	29%	39%	30%	74%	30%	39%
Prosthetics and Orthotics	8	7	4	5	2	2			2	3	3	2		3	3	5	3	4	4	3	5		2	2	3
	80%	70%	40%	50%	20%	67%			67%	100%	75%	50%		75%	75%	71%	43%	57%	57%	43%	100%		40%	40%	60%
Inpatient care for mental disorders	3	2	3	1	5	5	1	4		5	9	5	4	1	2	17	16	14	5	10	7	1	6	4	
	60%	40%	60%	20%	100%	100%	20%	80%		100%	90%	50%	40%	10%	20%	68%	64%	56%	20%	40%	100%	14%	86%	57%	
Inpatient care for mental disorders by specialists	4	2	3	1	3	3			2		6	1	2		1	17	18	10	4	7	5	2	4	1	
	80%	40%	60%	20%	60%	100%			67%		100%	17%	33%		17%	74%	78%	43%	17%	30%	83%	33%	67%	17%	
	Hadramawt					Hajjah					Ibb					Lahj					Ma'rib				
Inpatient acute rehabilitation	10	5	9	6	13	5	5	8	5	5	6	9	7	2	7	6	3	2	4	5	6	6	11	5	10
	59%	29%	53%	35%	76%	38%	38%	62%	38%	38%	46%	69%	54%	15%	54%	75%	38%	25%	50%	62%	38%	38%	69%	31%	62%
Outpatient or community level rehabilitation services	18	12	11	4	20	13	11	13	13	4	9	9	10	9	7	7	4	5	2	5	10	5	15	4	14
	72%	48%	44%	16%	80%	59%	50%	59%	59%	18%	45%	45%	50%	45%	35%	78%	44%	56%	22%	56%	56%	28%	83%	22%	78%
Prosthetics and Orthotics	11	7	4	7	11	7	1	2	4	5	5	3	4	5	5	9	5	1	3	6	6	3	5	6	8
	69%	44%	25%	44%	69%	78%	11%	22%	44%	56%	56%	33%	44%	56%	56%	90%	50%	10%	30%	60%	55%	27%	45%	55%	73%
Inpatient care for mental disorders	11	8	6	3	7	10	4	7	3	4	14	12	13	5	9	11	8	6		5	16	10	13	11	14
	79%	57%	43%	21%	50%	83%	33%	58%	25%	33%	67%	57%	62%	24%	43%	85%	62%	46%		38%	64%	40%	52%	44%	56%
Inpatient care for mental disorders by specialists	8	7	2	1	3	7	3	4	1	5	14	7	6	2	4	4	2	3		2	10	8	12	3	8
	67%	58%	17%	8%	25%	78%	33%	44%	11%	56%	100%	50%	43%	14%	29%	80%	40%	60%		40%	59%	47%	71%	18%	47%
	Raymah					Sa'dah					Sana'a					Sana'a City					Shabwah				
Inpatient acute rehabilitation	3	4	3	5	3	2	1	2	3	4	5	9	11	5	5	2		2	2	3	5	4	4	6	4
	33%	44%	33%	56%	33%	33%	17%	33%	50%	67%	36%	64%	79%	36%	36%	67%		67%	67%	100%	50%	40%	40%	60%	40%
Outpatient or community level rehabilitation services	8	4	6	4	3	16	9	15	5	9	17	15	24	7	3	2		3	2	3	5	5	7	3	8
	67%	33%	50%	33%	25%	64%	36%	60%	20%	38%	57%	50%	80%	23%	10%	50%		75%	50%	75%	42%	42%	58%	25%	67%
Prosthetics and Orthotics	2		2	2	1	5	3	3	5	2	6		4	3	1	1		1	1	2	7	1	1	5	4
	67%		67%	67%	33%	62%	38%	38%	62%	25%	100%		67%	50%	17%	50%		50%	50%	100%	88%	12%	12%	62%	50%
Inpatient care for mental disorders	5	3	2	3	2	5	1	4		3	10	7	9	3	1	2	1	1			7	2	6	5	5
	83%	50%	33%	50%	33%	83%	17%	67%		50%	62%	44%	56%	19%	6%	100%	50%	50%			70%	20%	60%	50%	50%
Inpatient care for mental disorders by specialists	3	1		2	1	2		1		2	12	6	8	2	1	2		1	1		6	1	5	2	4
	75%	25%		50%	25%	100%		50%		100%	86%	43%	57%	14%	7%	100%		50%	50%		86%	14%	71%	29%	57%
	Socotra					Ta'iz																			
Inpatient acute rehabilitation	1		1			14	15	9	14	20															
	100%		100%			47%	50%	30%	47%	67%															
Outpatient or community level rehabilitation services	1		1			25	13	16	13	18															
	100%		100%			71%	37%	46%	37%	51%															
Prosthetics and Orthotics	1		1			14	12	6	11	21															
	100%		100%			54%	46%	23%	42%	81%															
Inpatient care for mental disorders	2		1			24	15	20	5	12															
	100%		50%			75%	47%	62%	16%	38%															
Inpatient care for mental disorders by specialists	1		1			17	8	9		12															
	100%		100%			77%	36%	41%		55%															

% of HF's reporting a barrier

1% 25% 50% 75% 100%

Type of barrier

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

PART II:

IN-DEPTH ANALYSIS BY HEALTH SERVICE



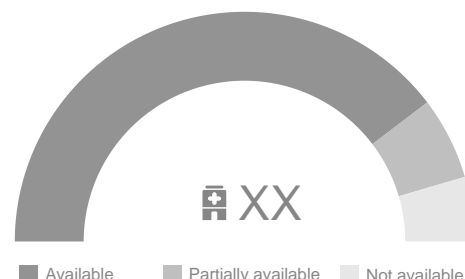
HOW TO READ THE CHARTS AND THE MAPS

Service availability

Arc charts

Arc charts provide an overview of the overall availability of a health service. The total number of health facilities included in the analysis of a service is shown inside the arc chart. It should be noted that the analysis of individual services was limited to operational health facilities (see page 3 for details).

The availability of service is further broken down by governorate and health facility type.



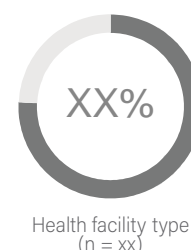
Column charts

Column charts display the availability of a service by governorate. The number of health facilities in a governorate is shown below the governorate's name.

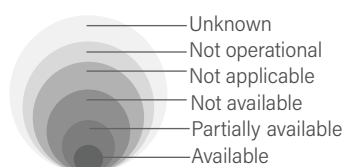


Donut charts

Each donut chart represents a type of health facility. The percentage of health facilities for which the service was available or partially available is shown inside the donut while the total number of health facilities included is shown at the bottom of the chart, below the health facility type name. If a service was not available in any health facility, the number inside the chart displays the percentage of health facilities for which the service was partially or not available.



Maps



Maps display availability of health services at the governorate level. Each circle corresponds to the cumulative number of health facilities in a governorate and may be divided into multiple smaller circles with the colour representing the proportion of health facilities of a specific availability status. To highlight areas not reporting, respectively the impact of non-operational health facilities, maps depict all health facilities targeted with HeRAMS.

Map labels indicate the total number of health facilities expected to provide the service (i.e., excluding non-reporting, not operational, and health facilities where the service is not expected) as well as the percentage of health facilities where service is at least partially available. For ease of readability, labels for governorate where the service is not expected in any or at last partially available in all HSDUs have been omitted.

Map label:

Governorate name
X / X%

Barriers

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

Donut charts

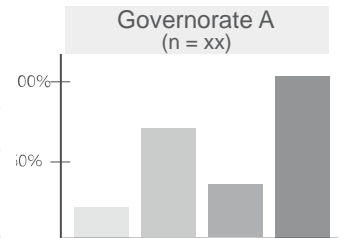


Each donut chart indicates the percentage of health facilities having reported a given reason. The total number of health facilities reporting at least one barrier

is shown below the chart header.

Bar charts

Bar charts depicting barriers follow the same logic as donut charts and exclude health facilities where the service was fully available. The number of health facilities reporting at least one barrier is displayed below the governorates' name.

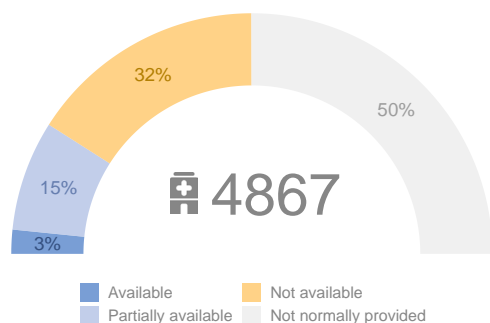


Important: The denominators of barrier charts exclude health facilities where the service was available up to standard. It should further be noted that health facilities could report up to three barriers for each service. Hence, the sum of all barriers may exceed 100%.



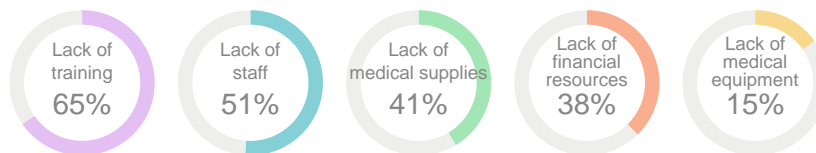
PROMOTE SELF-CARE, PROVIDE BASIC HEALTH CARE AND PSYCHO-SOCIAL SUPPORT

Overall service availability

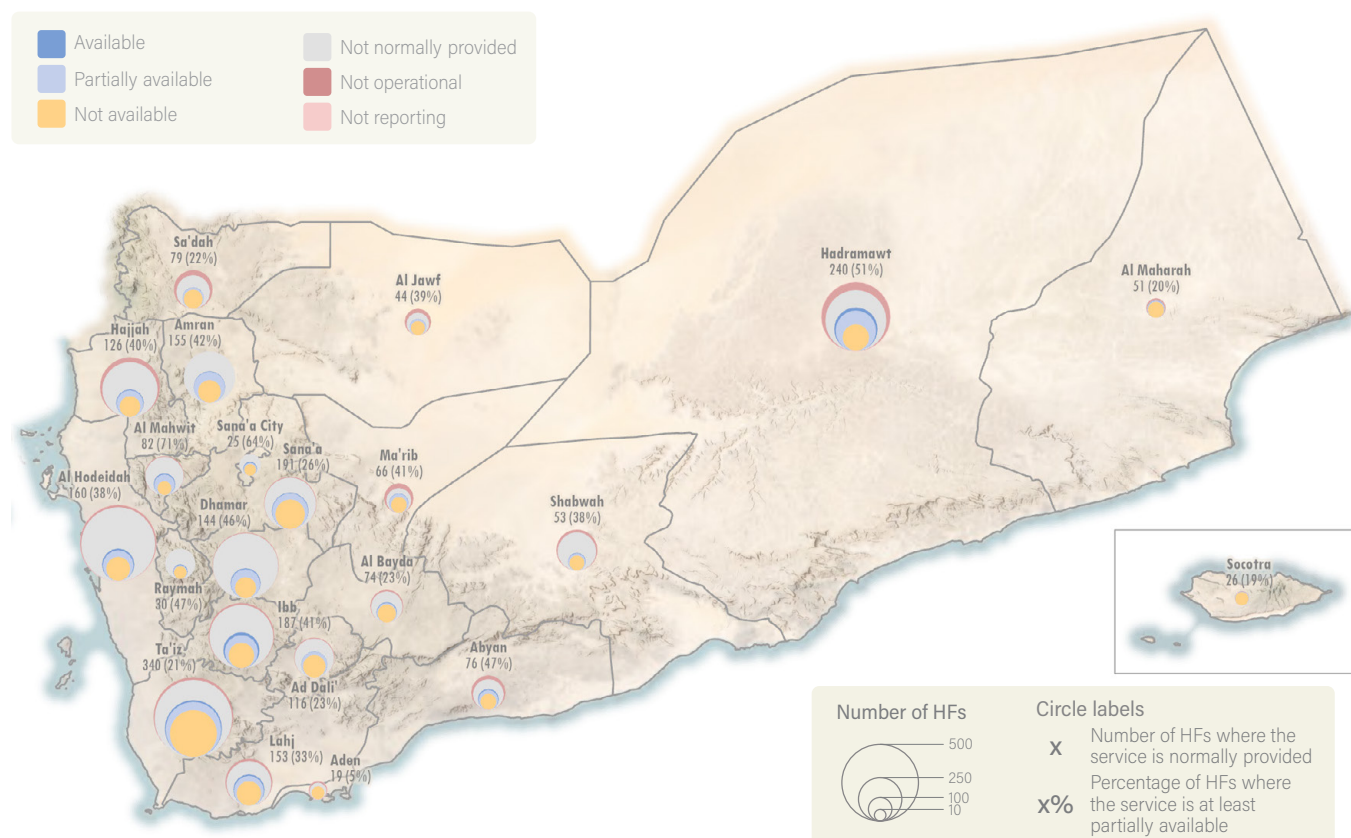
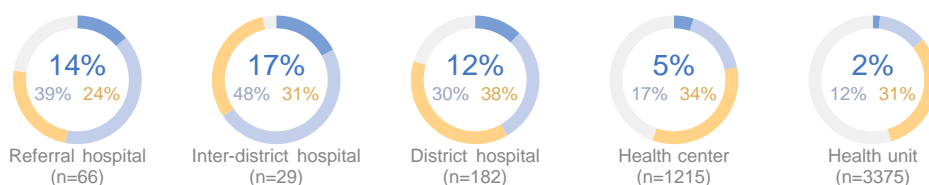


Main barriers impeding service delivery

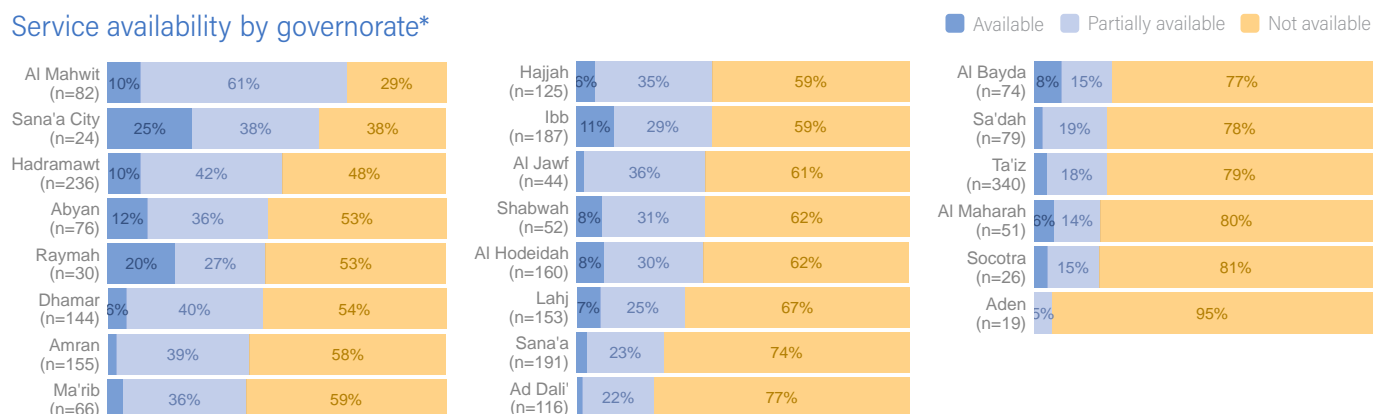
n = 2273



Service availability by type of HF



Service availability by governorate*



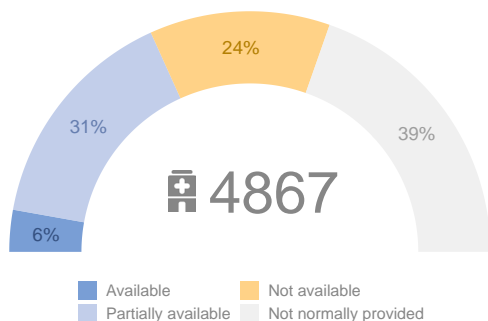
Main barriers impeding service delivery by governorate



* HFs with missing value or that reported "Not normally provided" are excluded.

NCD CLINIC

Overall service availability

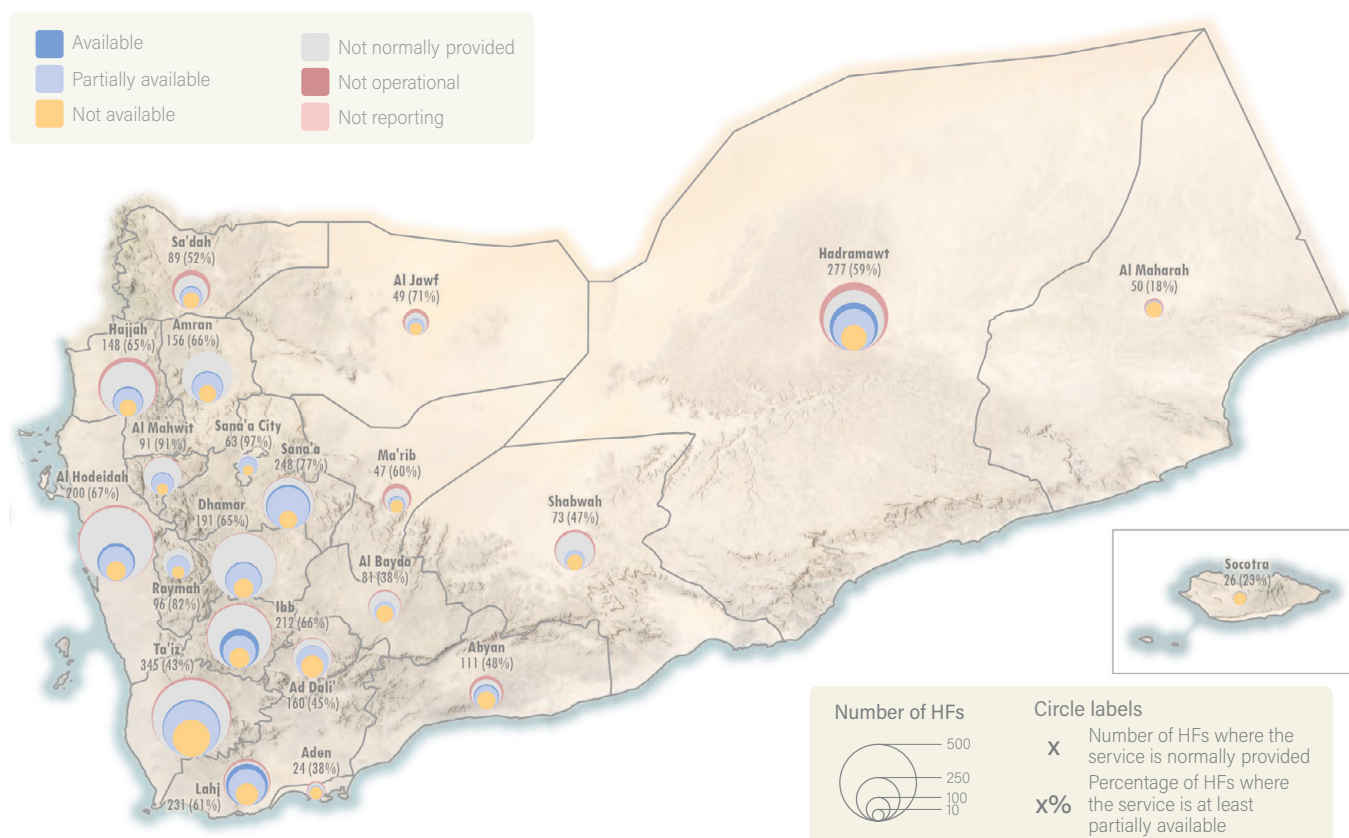
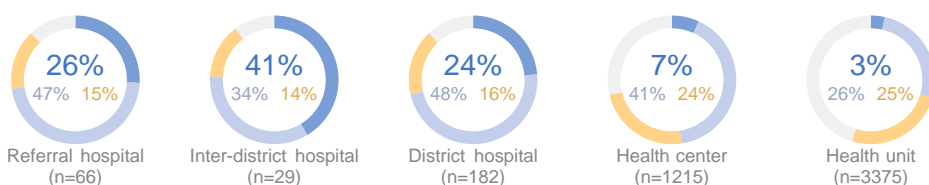


Main barriers impeding service delivery

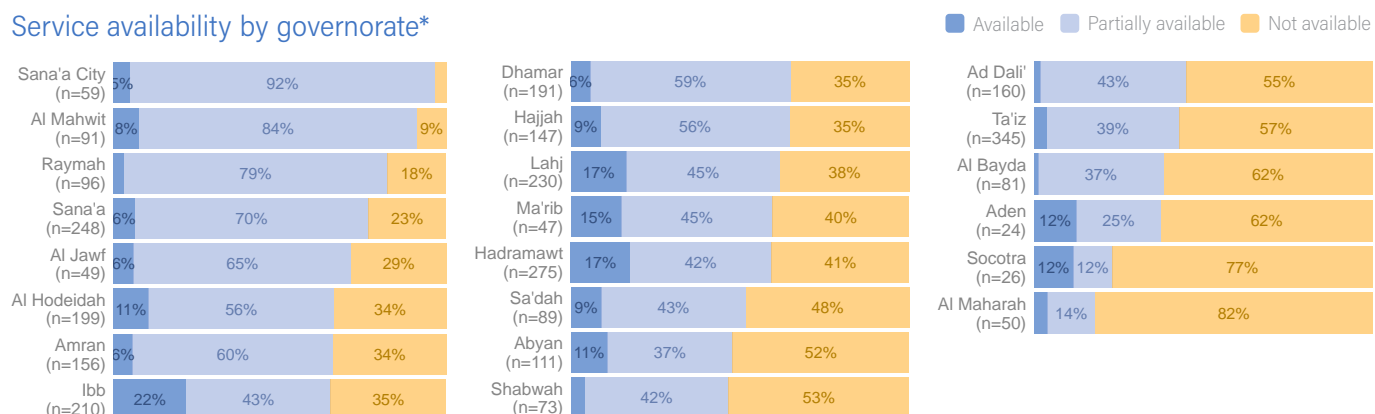
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Service availability by type of HF



Service availability by governorate*



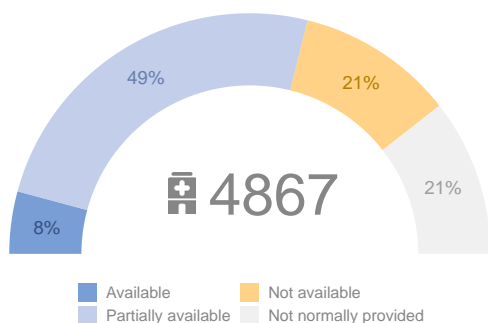
Main barriers impeding service delivery by governorate



* HF's with missing value or that reported "Not normally provided" are excluded.

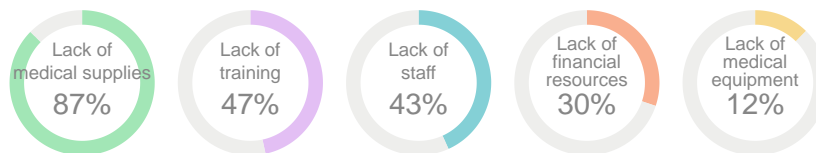
ASTHMA AND CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)

Overall service availability

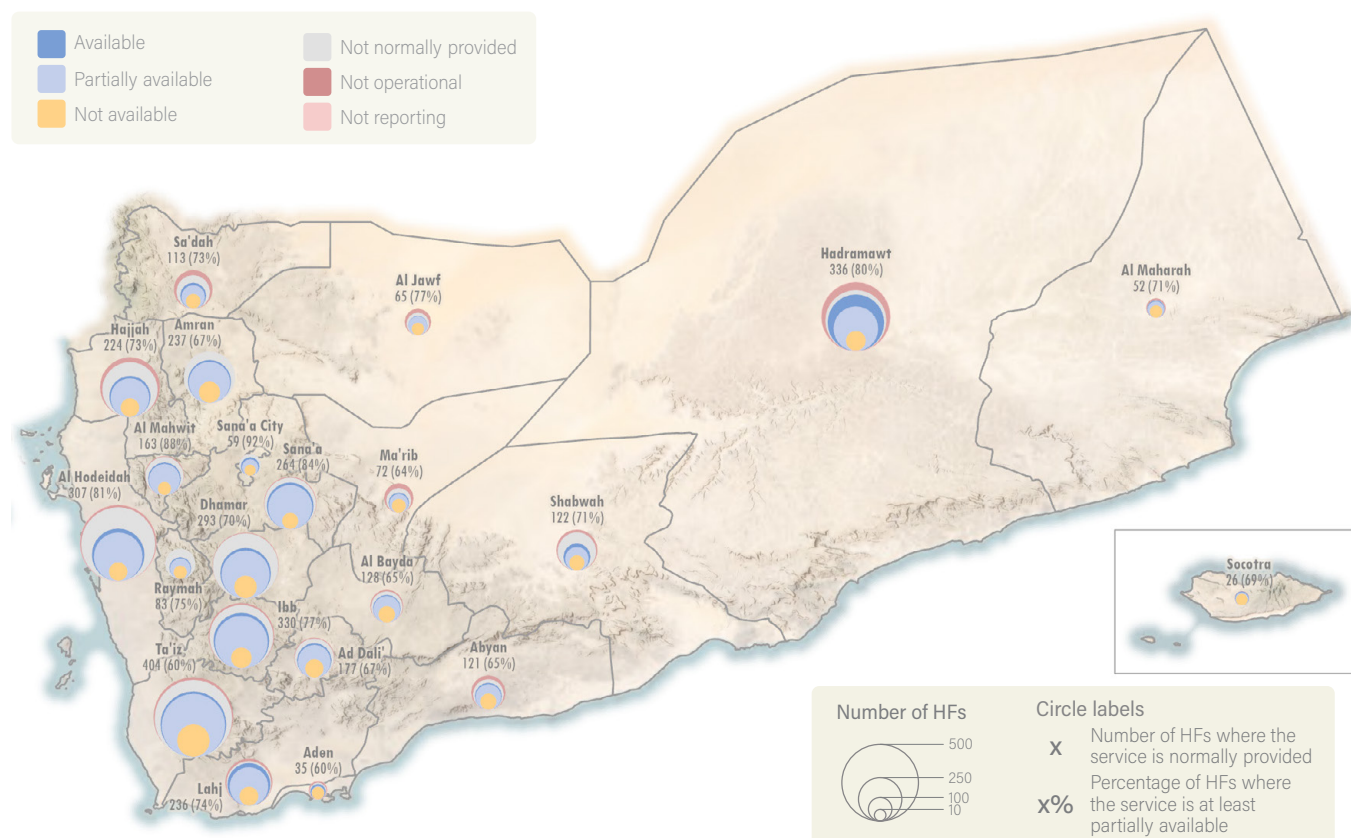
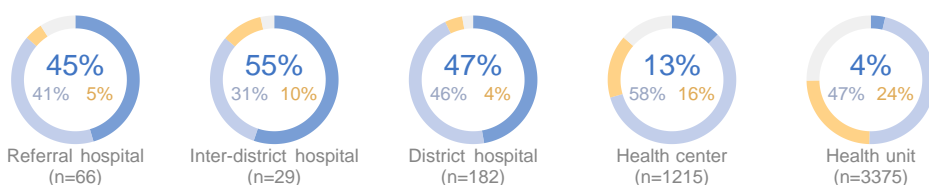


Main barriers impeding service delivery

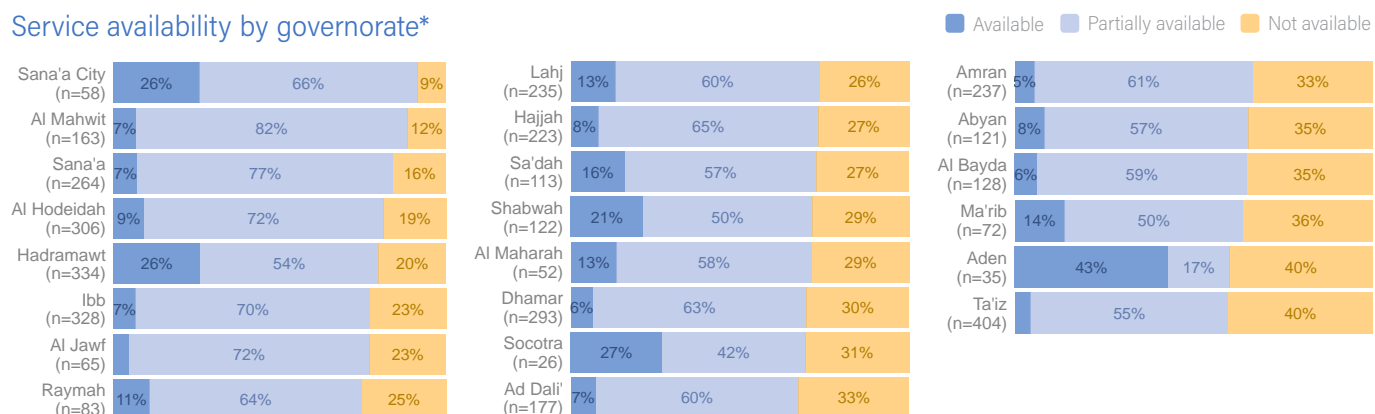
n = 3432



Service availability by type of HF



Service availability by governorate*



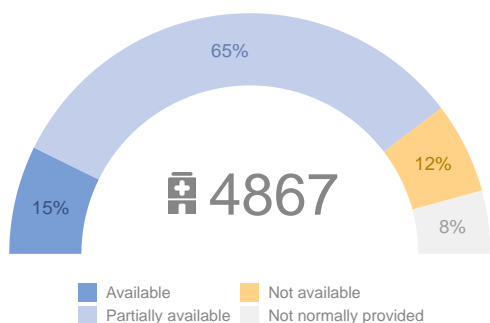
Main barriers impeding service delivery by governorate



* HF's with missing value or that reported "Not normally provided" are excluded.

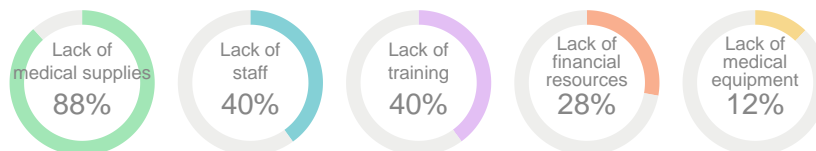
HYPERTENSION

Overall service availability

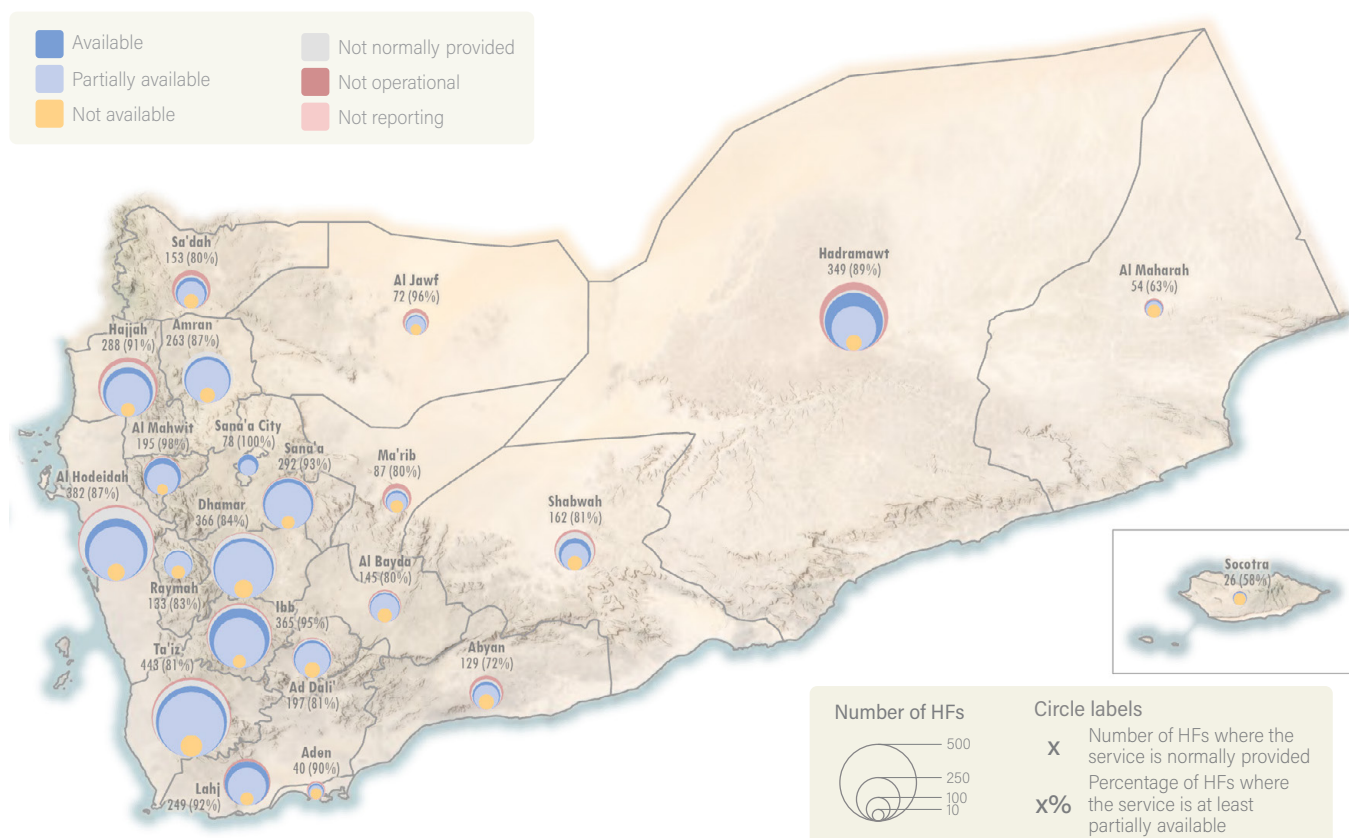
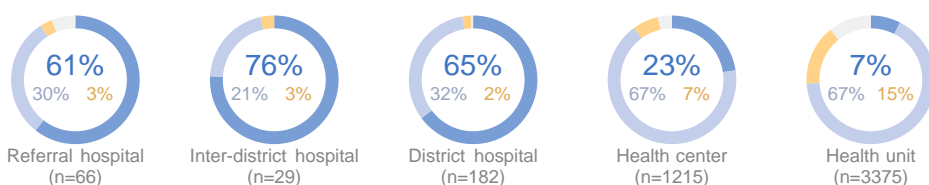


Main barriers impeding service delivery

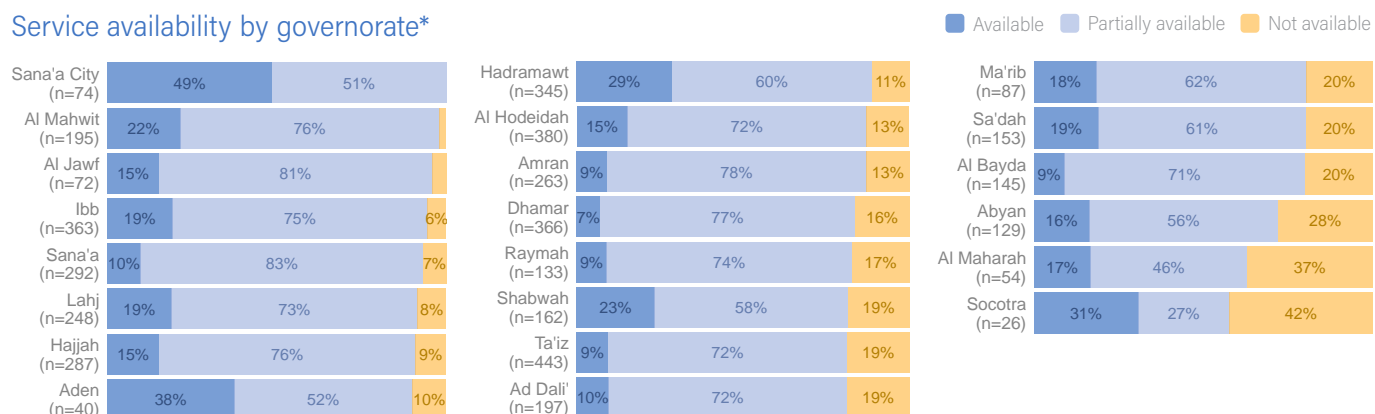
n = 3746



Service availability by type of HF



Service availability by governorate*



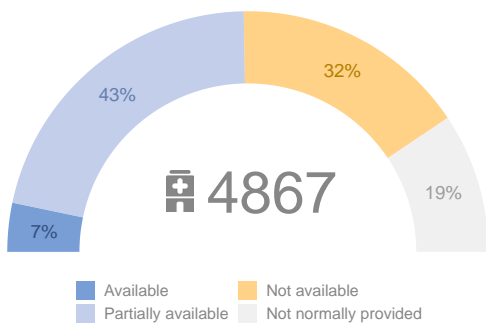
Main barriers impeding service delivery by governorate



* HFs with missing value or that reported "Not normally provided" are excluded.

DIABETES

Overall service availability

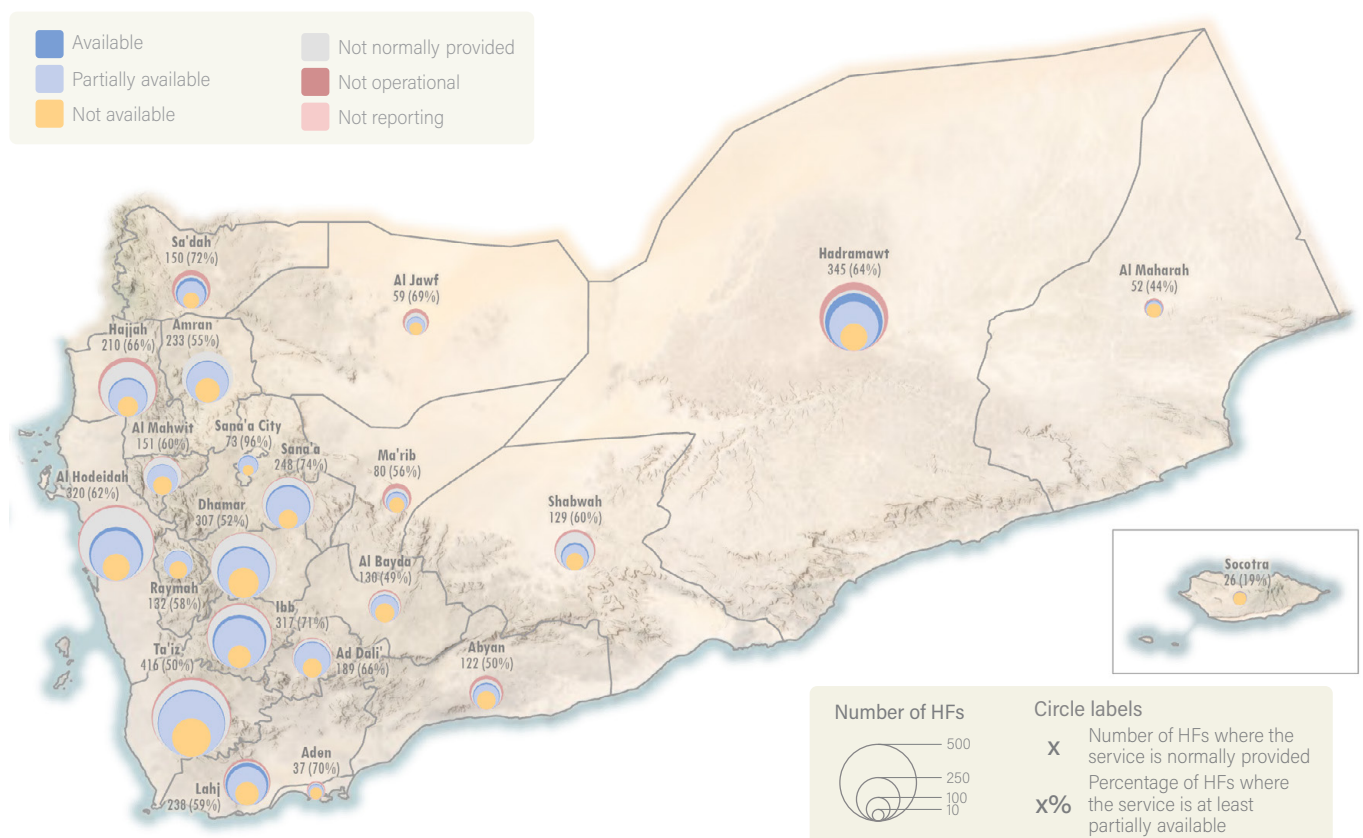
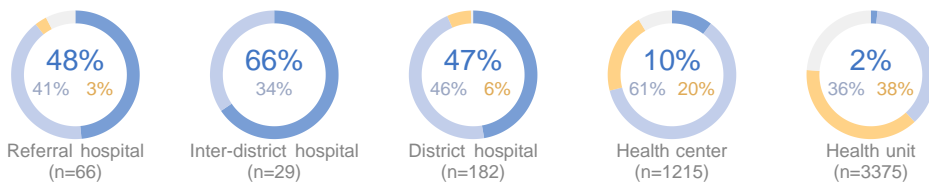


Main barriers impeding service delivery

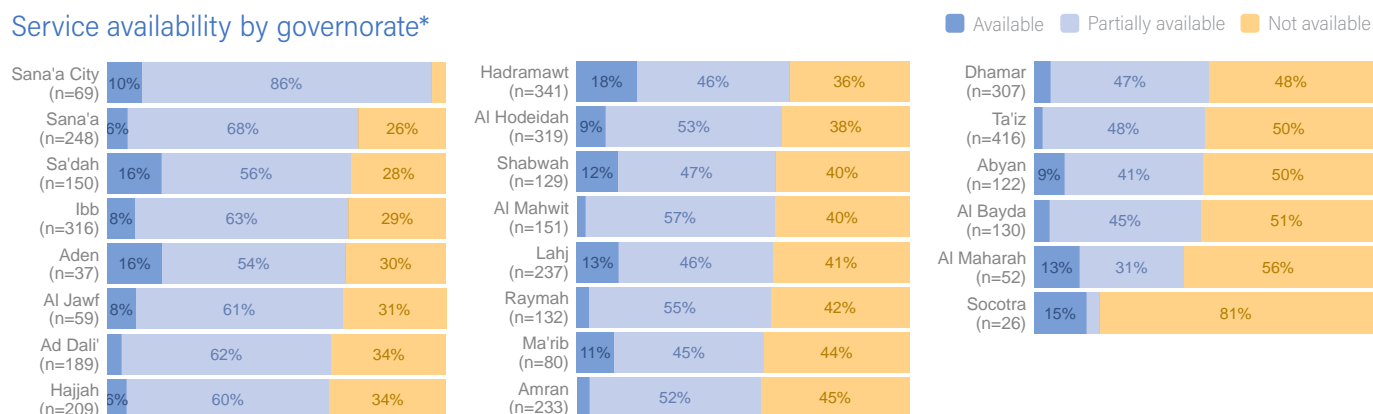
n = 3633



Service availability by type of HF



Service availability by governorate*



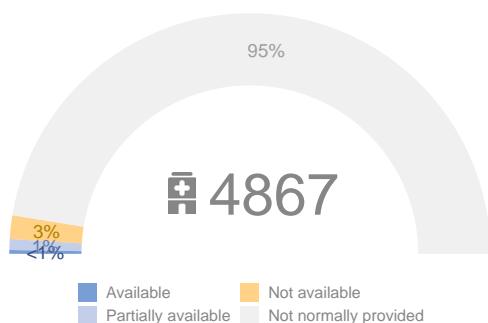
Main barriers impeding service delivery by governorate



* HFs with missing value or that reported "Not normally provided" are excluded.

INPATIENT ACUTE REHABILITATION

Overall service availability

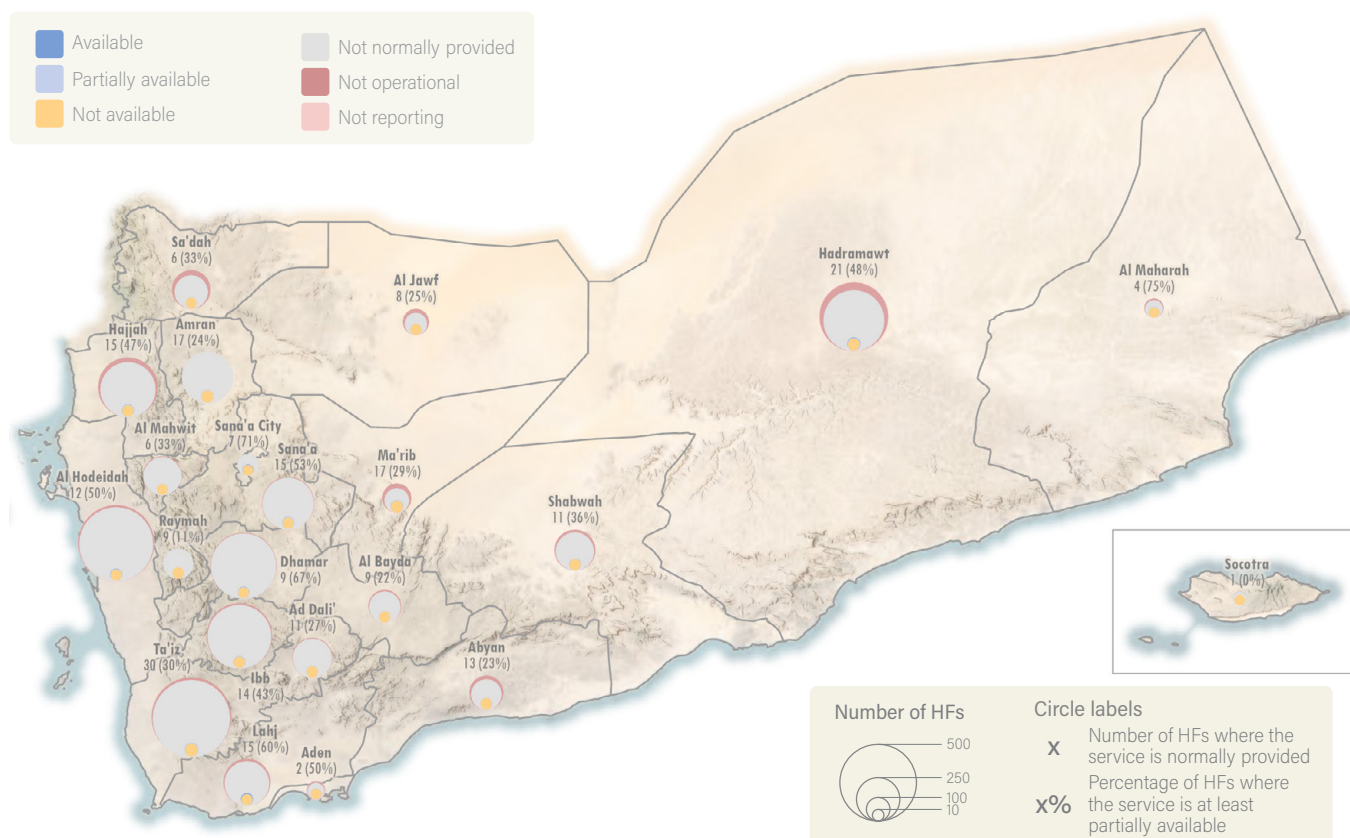
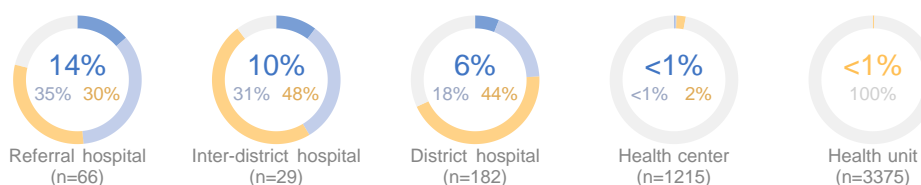


Main barriers impeding service delivery

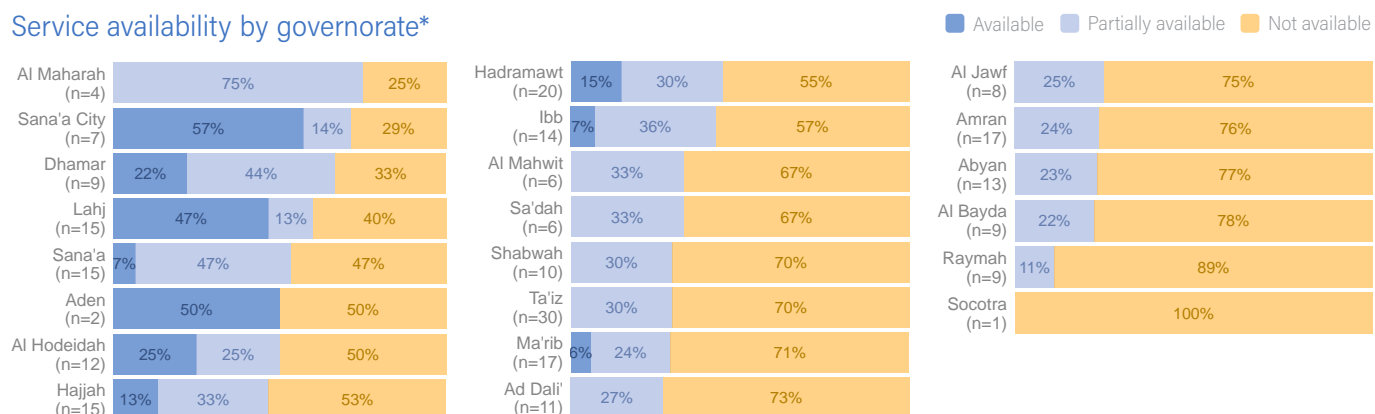
n = 225



Service availability by type of HF



Service availability by governorate*



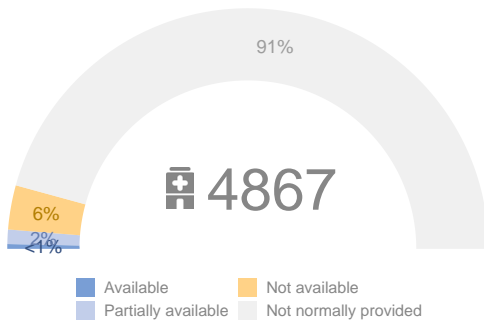
Main barriers impeding service delivery by governorate



* HFs with missing value or that reported "Not normally provided" are excluded.

OUTPATIENT OR COMMUNITY LEVEL REHABILITATION SERVICES

Overall service availability

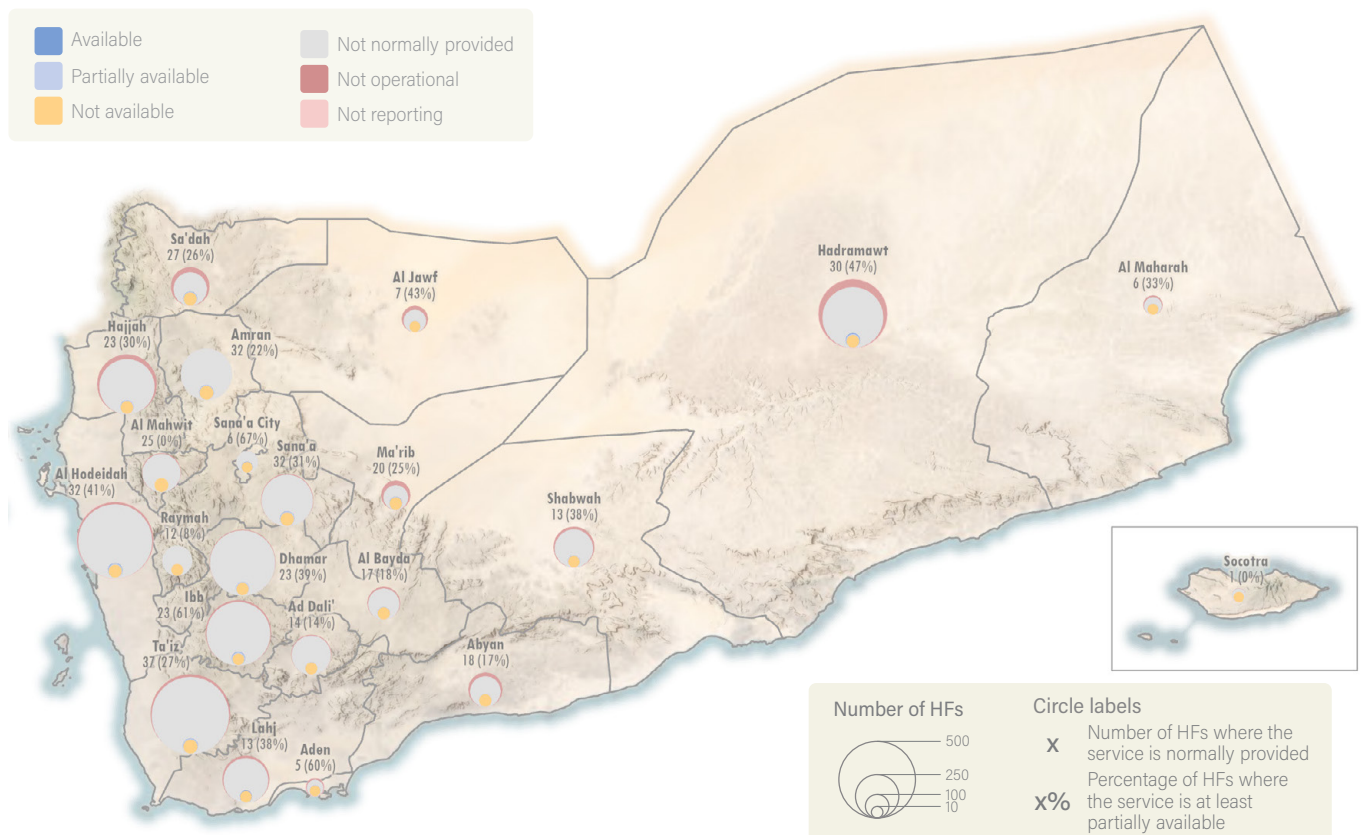
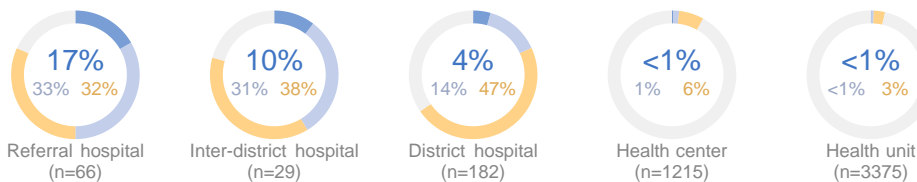


Main barriers impeding service delivery

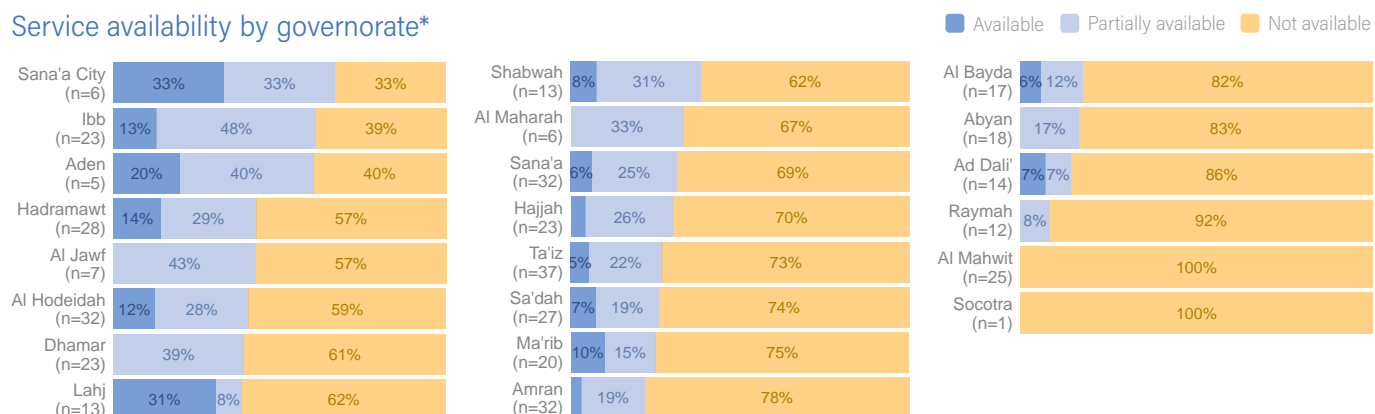
n = 383



Service availability by type of HF



Service availability by governorate*



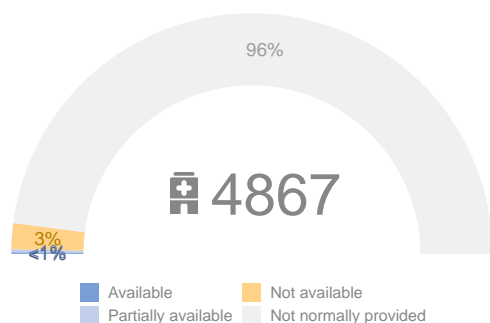
Main barriers impeding service delivery by governorate



* HFs with missing value or that reported "Not normally provided" are excluded.

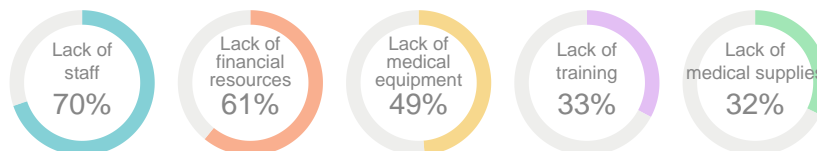
PROSTHETICS AND ORTHOTICS

Overall service availability

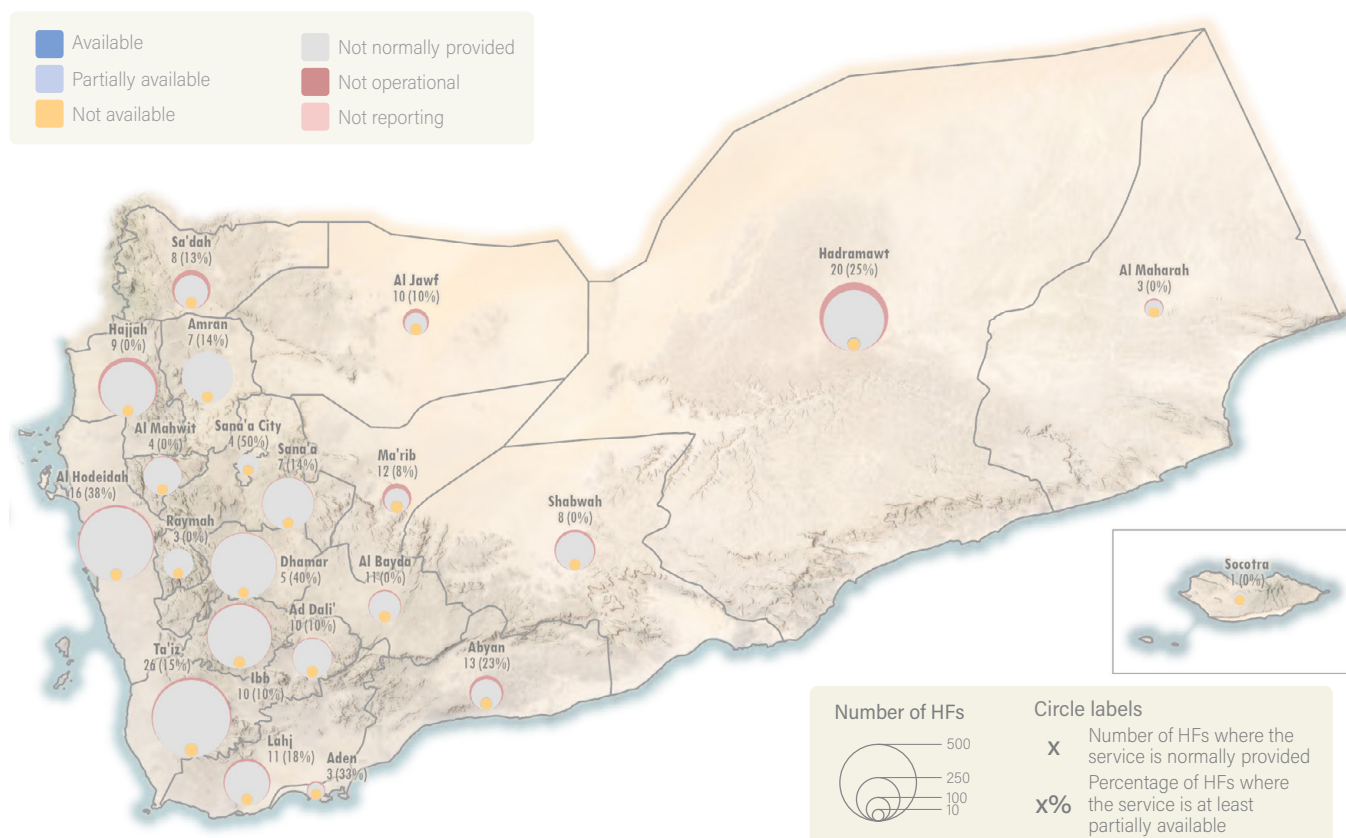
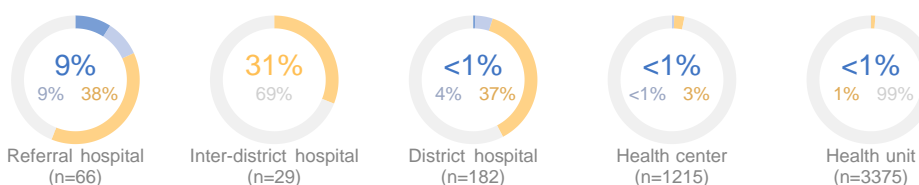


Main barriers impeding service delivery

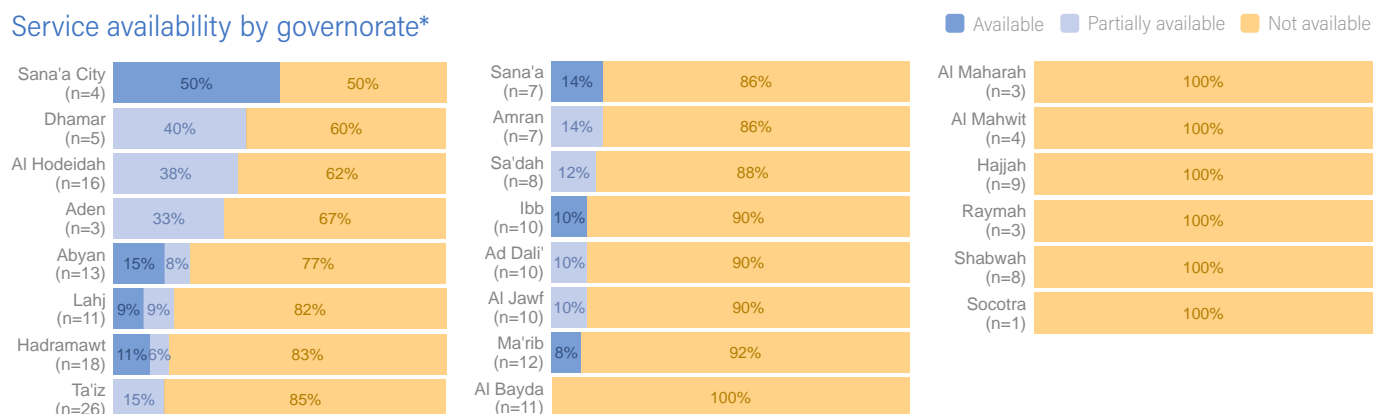
n = 189



Service availability by type of HF



Service availability by governorate*



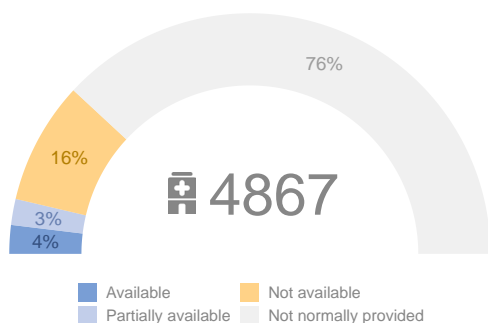
Main barriers impeding service delivery by governorate



* HFs with missing value or that reported "Not normally provided" are excluded.

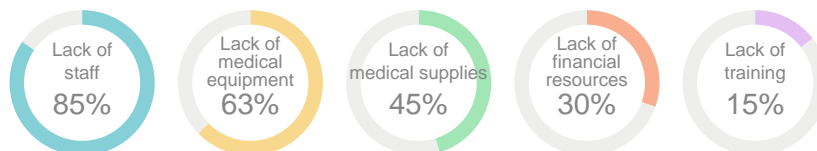
ORAL HEALTH AND DENTAL CARE

Overall service availability

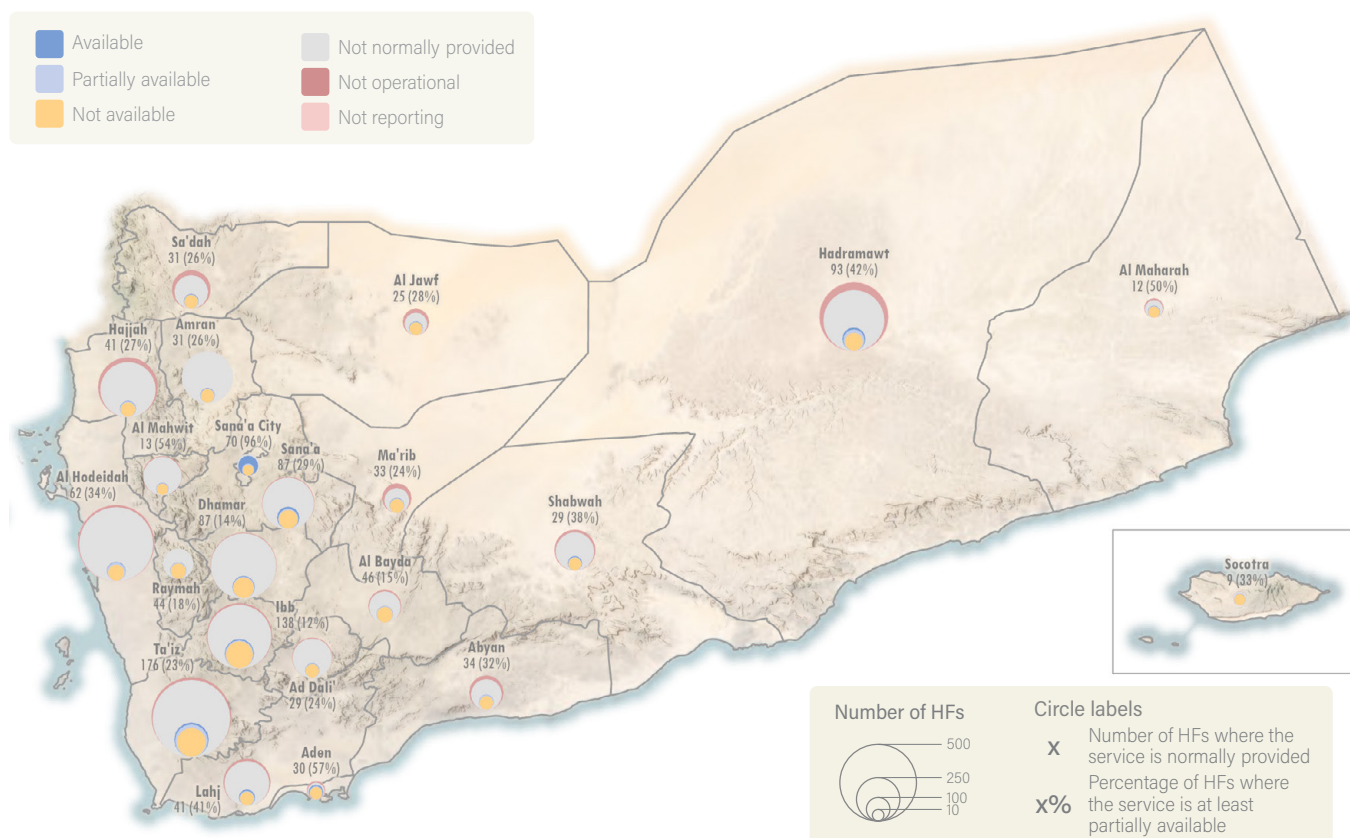
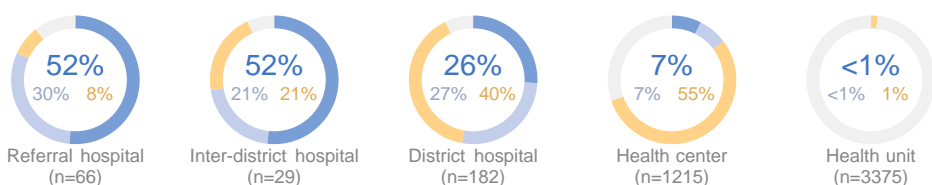


Main barriers impeding service delivery

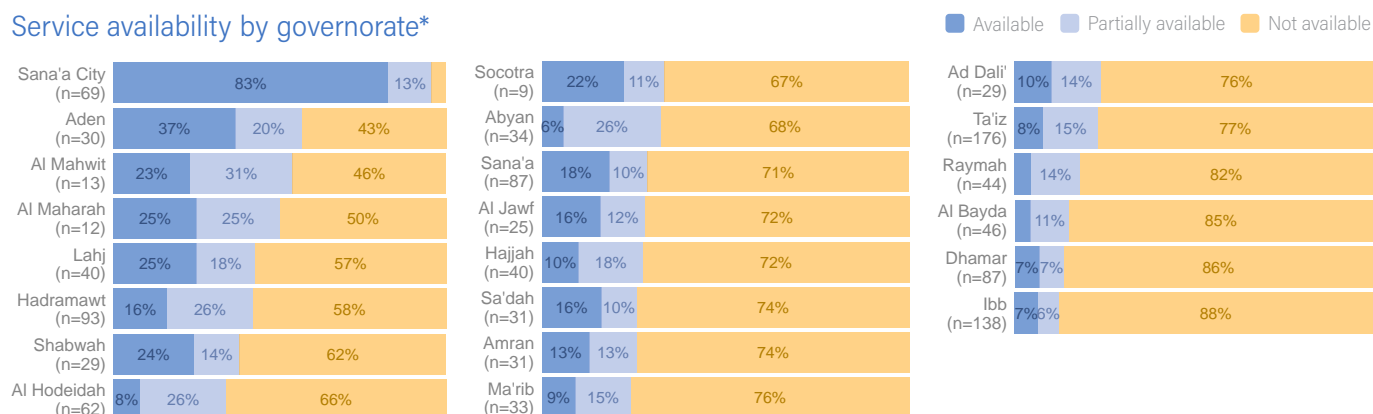
n = 971



Service availability by type of HF



Service availability by governorate*



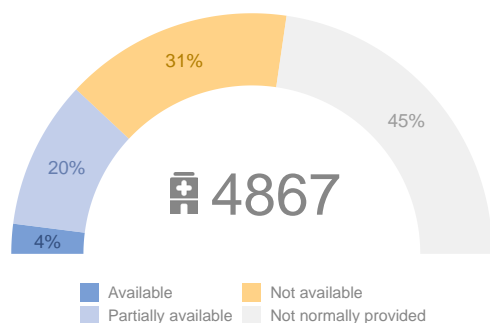
Main barriers impeding service delivery by governorate



* HFs with missing value or that reported "Not normally provided" are excluded.

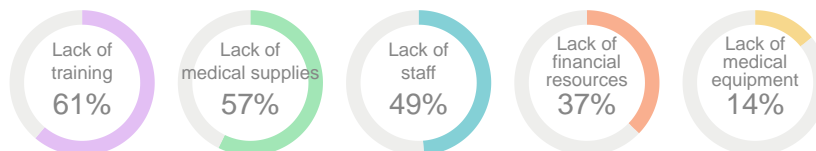
PSYCHOLOGICAL FIRST AID

Overall service availability

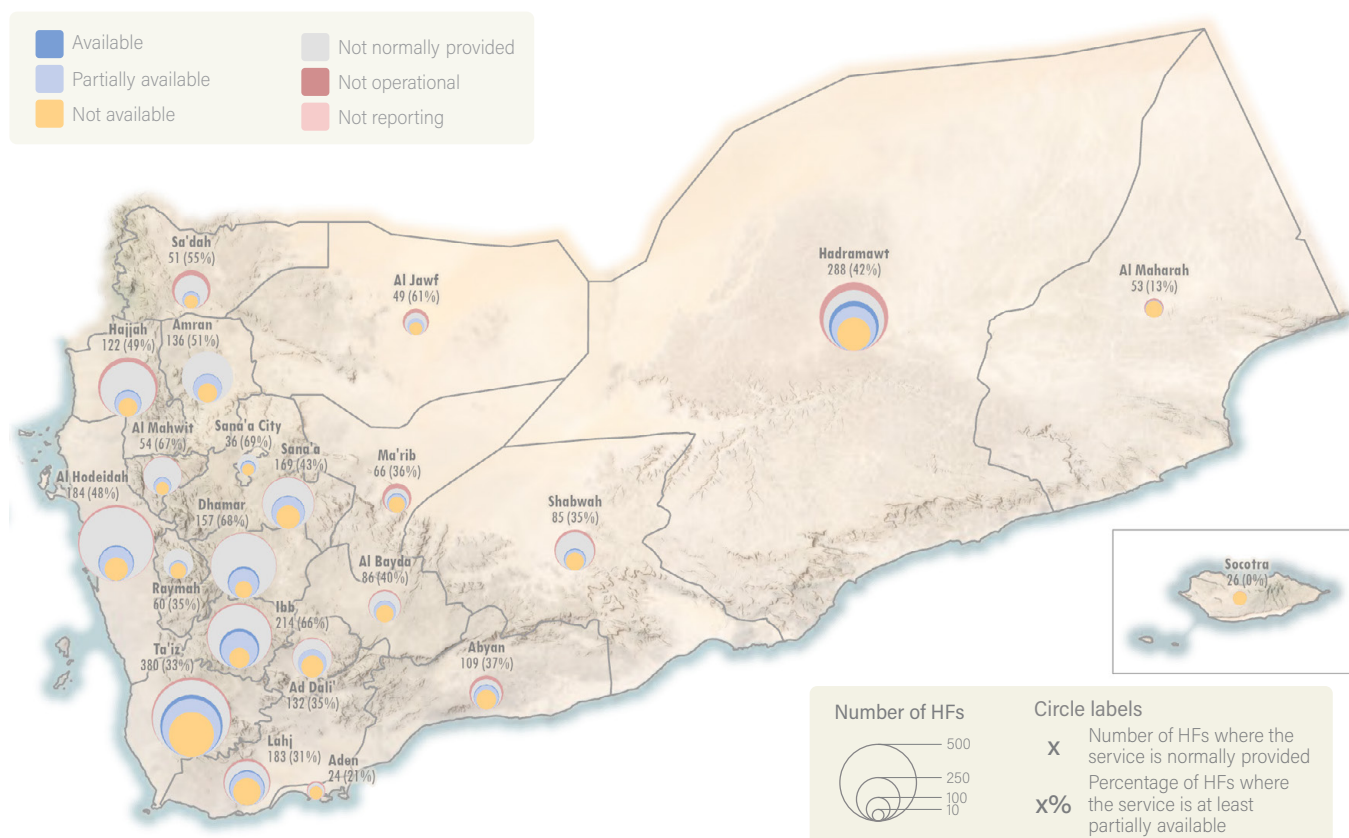
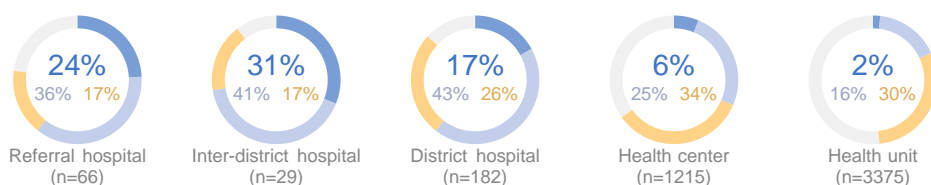


Main barriers impeding service delivery

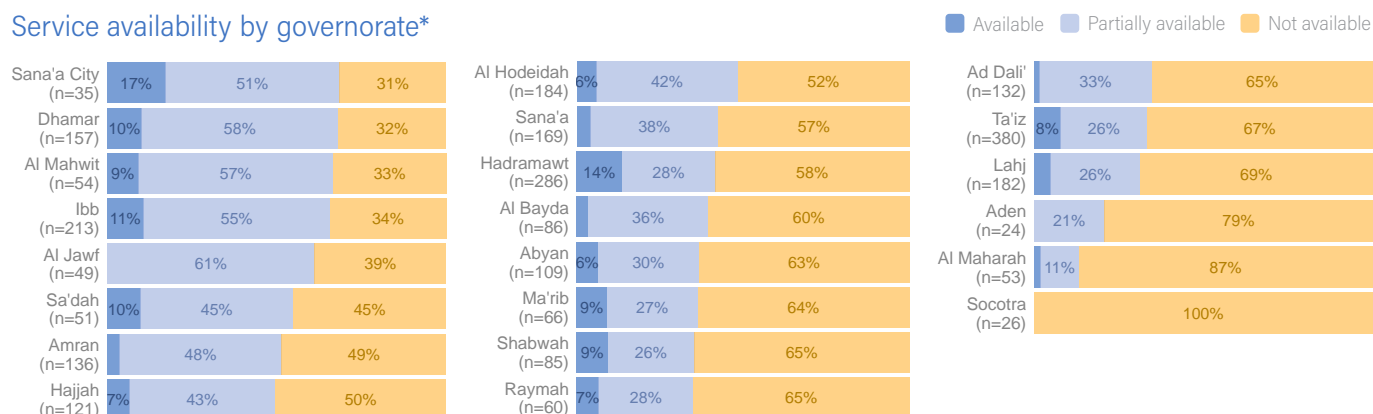
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Service availability by type of HF



Service availability by governorate*



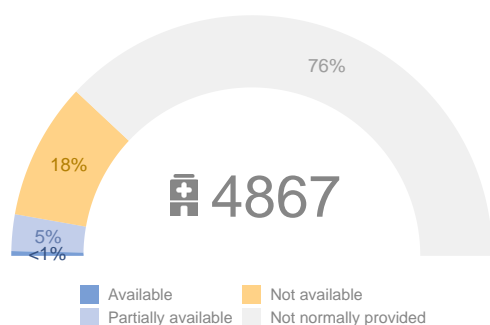
Main barriers impeding service delivery by governorate



* HFs with missing value or that reported "Not normally provided" are excluded.

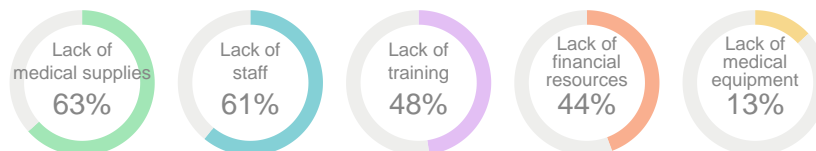
MANAGEMENT OF MENTAL DISORDERS

Overall service availability

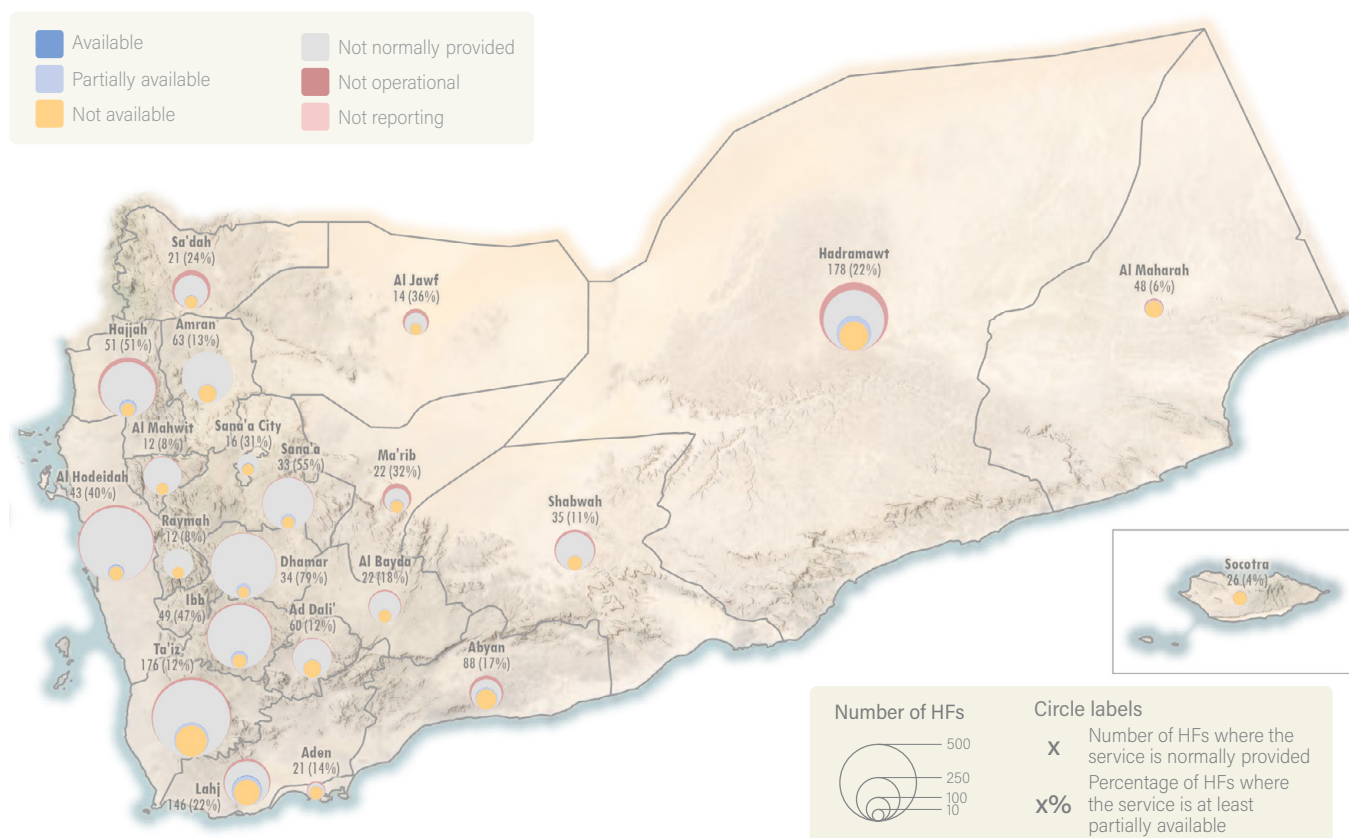
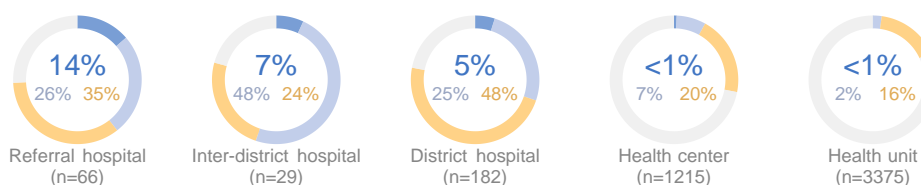


Main barriers impeding service delivery

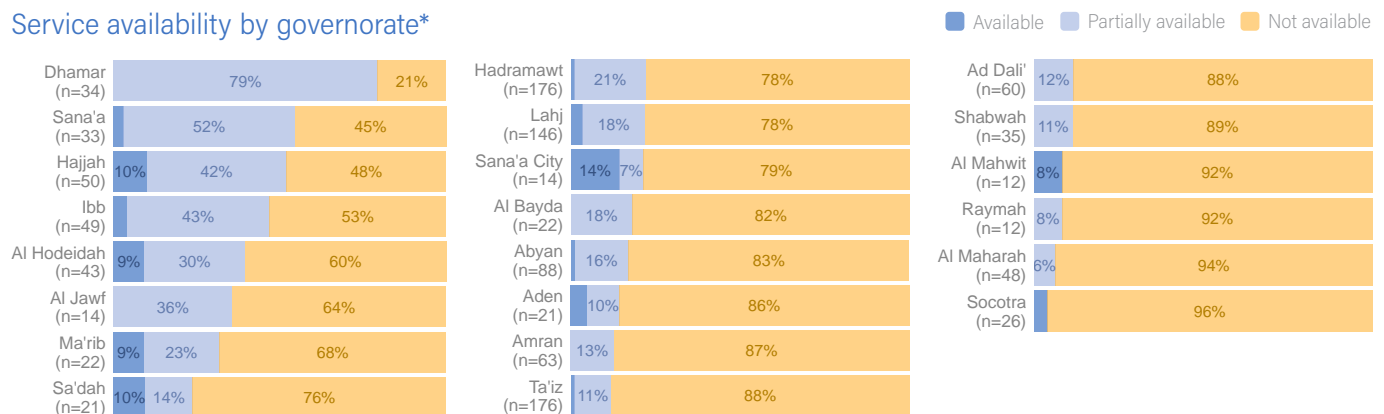
n = 1134



Service availability by type of HF



Service availability by governorate*



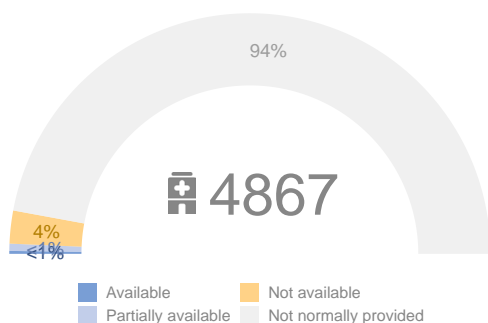
Main barriers impeding service delivery by governorate



* HF with missing value or that reported "Not normally provided" are excluded.

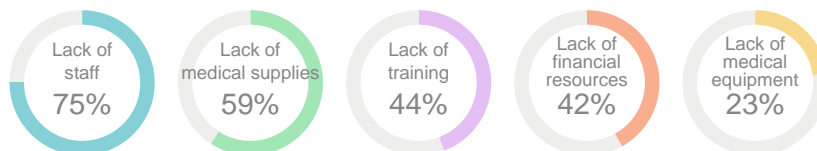
INPATIENT CARE FOR MENTAL DISORDERS

Overall service availability

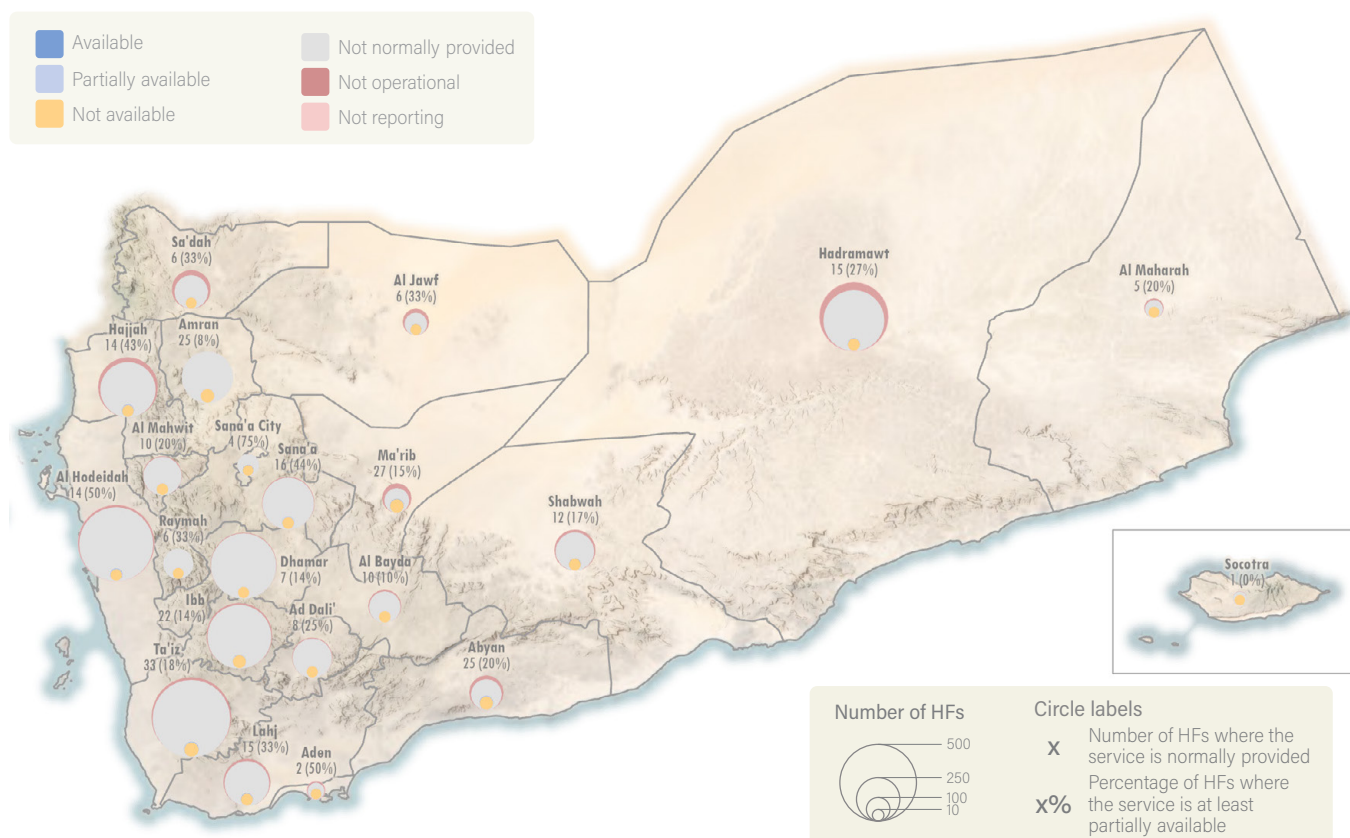
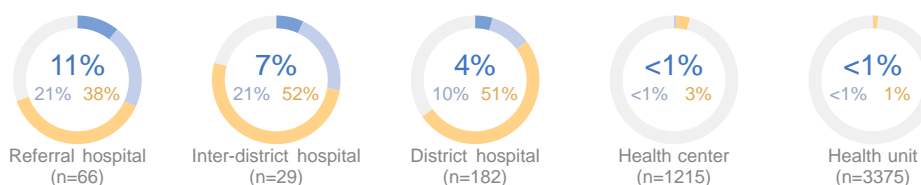


Main barriers impeding service delivery

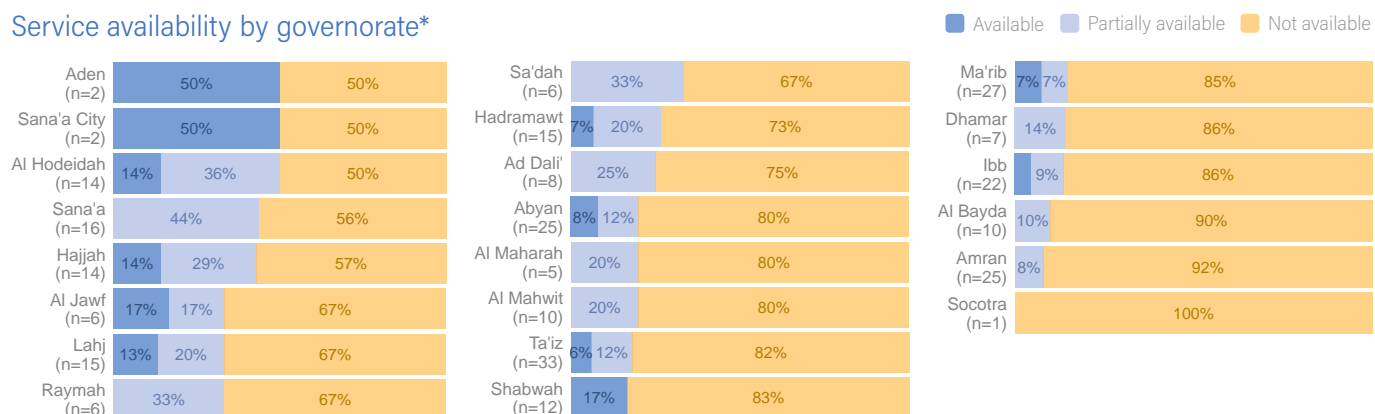
n = 262



Service availability by type of HF



Service availability by governorate*



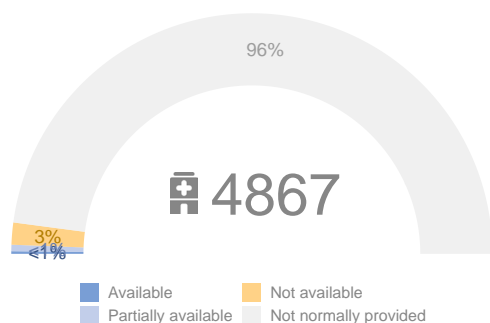
Main barriers impeding service delivery by governorate



* HFs with missing value or that reported "Not normally provided" are excluded.

INPATIENT CARE FOR MENTAL DISORDERS BY SPECIALISTS

Overall service availability

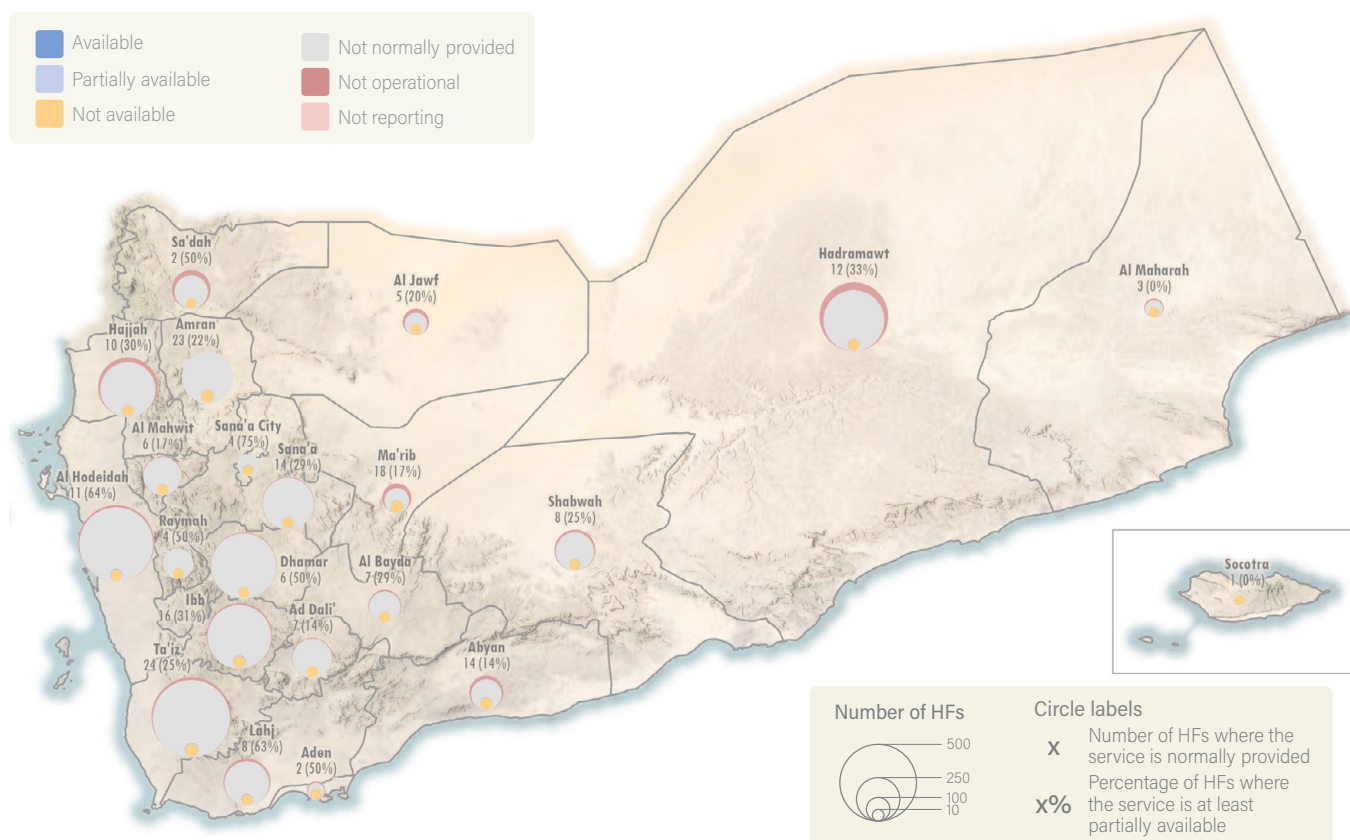
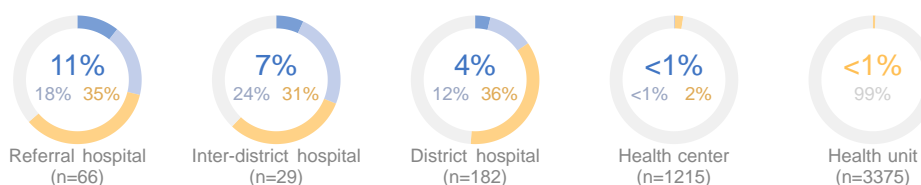


Main barriers impeding service delivery

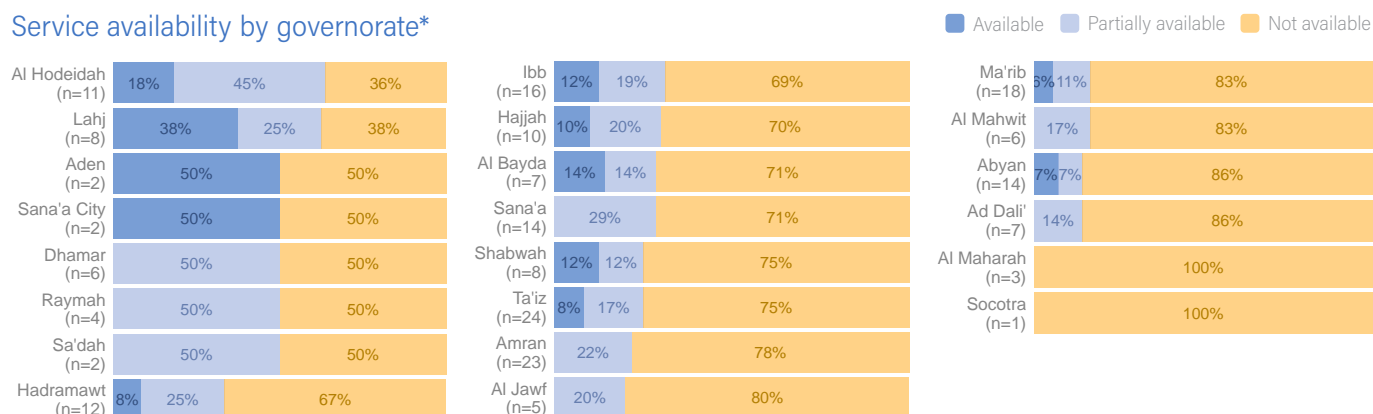
n = 186



Service availability by type of HF



Service availability by governorate*



Main barriers impeding service delivery by governorate



* HF's with missing value or that reported "Not normally provided" are excluded.

ANNEXES



ANNEX I: DEFINITIONS OF ESSENTIAL SERVICES

SERVICE	DEFINITION	EXPECTED SERVICE				
		RH	IDH	DH	HC	HU
PROMOTE SELF-CARE, PROVIDE BASIC HEALTH CARE AND PSYCHO-SOCIAL SUPPORT	Identify and refer severe cases for treatment, provide needed follow-up to people discharged by facility-based health and social services for people with chronic health conditions, disabilities and mental health problems	X	X	X	X	
NCD CLINIC	Brief advice on tobacco, alcohol and substance abuse, healthy diet, screening and management of risks of cardiovascular disease (CVD), individual counselling on adherence to chronic therapies, availability of blood pressure (BP) apparatus, blood glucose and urine ketones test strips, and essential NCD drugs as per national list	X	X	X	X	X
ASTHMA AND CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)	Classification, treatment and follow-up	X	X	X	X	
HYPERTENSION	Early detection, management, and counselling (including dietary advice), follow-up.	X	X	X	X	X
DIABETES	Early detection, management (oral anti-diabetic and insulin available), counselling (including dietary advice), foot care, follow-up	X	X	X	X	X
INPATIENT ACUTE REHABILITATION	Inpatient rehabilitation for people with acute injury or illness, delivered by rehabilitation professionals as part of multi-disciplinary acute care, including the provision of assistive devices such as crutches or wheel-chairs	X	X			
OUTPATIENT OR COMMUNITY LEVEL REHABILITATION SERVICES	Provided by a rehabilitation professional via an outpatient, mobile, or post-acute inpatient rehabilitation service, often as part of follow up care, including assistive device provision or maintenance	X	X			
PROSTHETICS AND ORTHOTICS	Manufacture, fitting and training to use prosthetic and orthotic devices	X				
ORAL HEALTH AND DENTAL CARE		X	X	X	X	
PSYCHOLOGICAL FIRST AID	For distressed people, survivors of assault, abuse, neglect, domestic violence, and linking vulnerable individuals/families with resources, such as health services, livelihood assistance etc.	X	X	X	X	
MANAGEMENT OF MENTAL DISORDERS	Management by specialized and/or trained and supervised non-specialized health-care providers, availability of fluoxetine, carbamazepine, haloperidol, biperiden, and diazepam	X	X	X	X	X
INPATIENT CARE FOR MENTAL DISORDERS	Inpatient management of mental disorders by specialized and/or trained and supervised non-specialized healthcare providers	X	X			
INPATIENT CARE FOR MENTAL DISORDERS BY SPECIALISTS	Inpatient management of mental disorders by specialized health-care providers	X				

RH = referral hospital, IDH = inter-district hospital, DH = district hospital, HC = health center, HU = health unit.

ANNEX II: POPULATION ESTIMATIONS

GOVERNORATE	POPULATION ESTIMATIONS
ABYAN	652,038
AD DALI'	869,050
ADEN	1,118,611
AL BAYDA	813,748
AL HODEIDAH	3,158,169
AL JAWF	621,589
AL MAHARAH	193,822
AL MAHWIT	804,472
AMRAN	1,253,006
DHAMAR	2,299,288
HADRAMAWT	1,643,041
HAJJAH	2,428,326
IBB	3,244,039
LAHJ	1,129,754
MA'RIB	1,072,048
RAYMAH	592,069
SA'DAH	1,004,814
SANA'A	1,138,450
SANA'A CITY	3,869,414
SHABWAH	707,407
SOCOTRA	72,422
TA'IZ	3,203,121
TOTAL	31,888,698

