

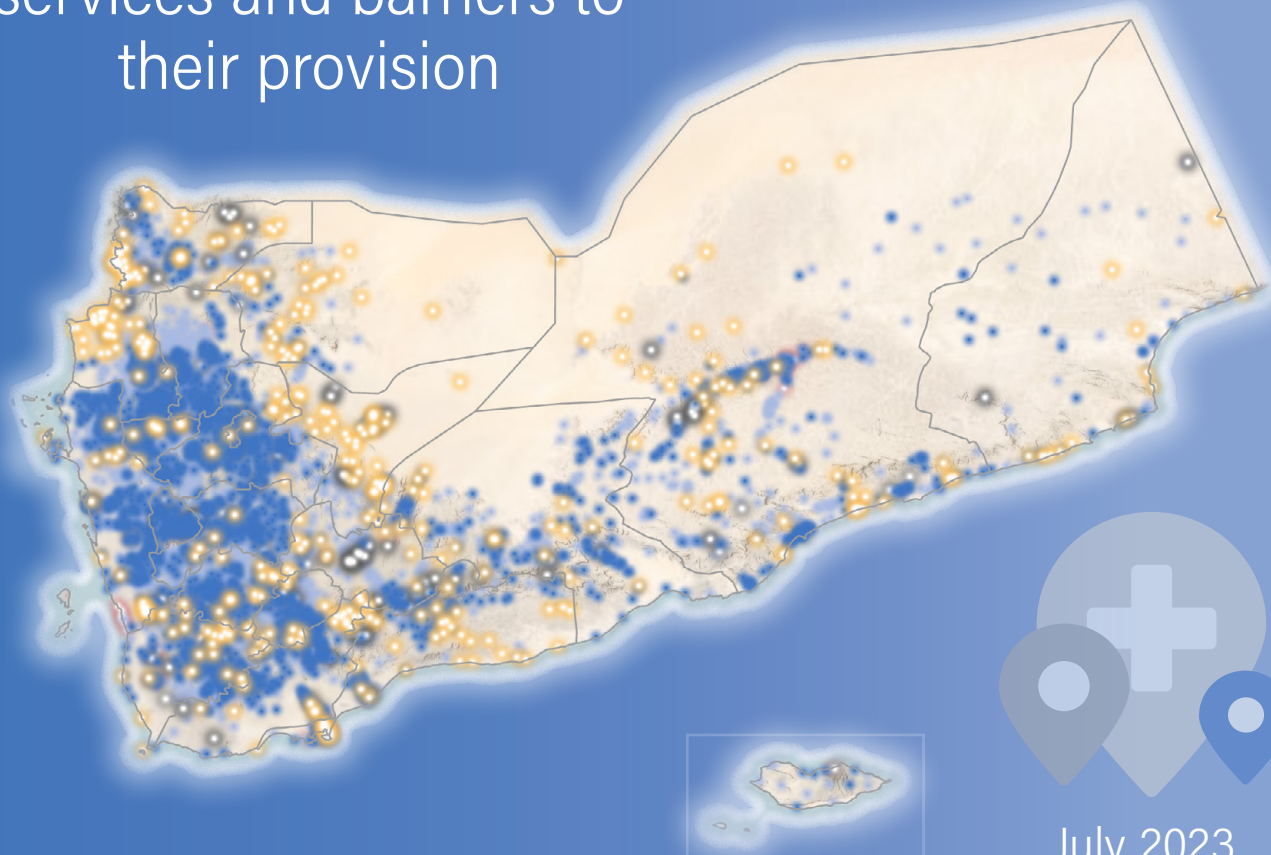
HeRAMS Yemen

Baseline report 2023



MATERNAL AND NEWBORN SERVICES

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



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HeRAMS YEMEN

BASELINE REPORT 2023

Maternal and newborn 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

CONTENTS

Acronyms	v
Disclaimer	vi
Part I: Overview of the availability of maternal and newborn services	1
How to read the charts	2
Overview of health facilities assessed	3
Availability of service package and main barriers	4
Main barriers impeding availability of service package	9
Service availability by catchment population	14
Main barriers impeding service delivery	16
Part II: In-depth analysis by health service	20
How to read the charts and the maps	21
Pregnancy test	22
Short-acting reversible contraception (SARC)	24
Long-acting reversible contraception (LARC)	26
Antenatal care	28
Clean home deliveries	30
Skilled care during childbirth	32
Basic emergency obstetric care (BEmOC)	34
Comprehensive emergency obstetric care (CEmOC)	36
Post-partum care	38
Comprehensive abortion care	40
IEC on STI/HIV	42
STI/HIV advocacy	44
Syndromic management of STIs	46
HIV counselling and testing	48
Prevention of mother-to-child transmission (PMTCT) of HIV	50
Antiretroviral treatment	52
Clinical management of rape survivors	54
Emergency contraception	56
Post-exposure prophylaxis	58
Annexes	60
Annex I: Definitions of essential services	61
Annex II: Population estimations	63

ACRONYMS

BEmOC	Basic emergency obstetric care
CEmOC	Comprehensive emergency obstetric care
HeRAMS	Health Resources and Services Availability Monitoring System
HF	Health facility
HIV	Human immunodeficiency virus
IEC	Information, education, and communications
LARC	Long-acting reversible contraception
PMTCT	Prevention of mother-to-child transmission
SARC	Short-acting reversible contraception
STI	Sexually transmitted infection
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 fifth report of the *HeRAMS Yemen baseline report 2023* series focusing on the availability of maternal and newborn 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) 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 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 - Non-communicable 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-yemen-baseline-report-2023-ncd-and-mental-health-services>.



PART I:

OVERVIEW OF THE AVAILABILITY OF MATERNAL AND NEWBORN SERVICES



HOW TO READ THE CHARTS

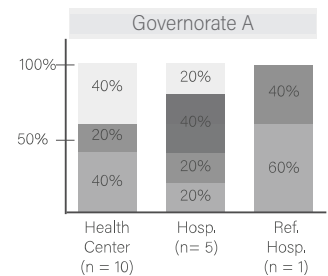
Service availability

The first part of the report provides an overview of availability of maternal and newborn 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)

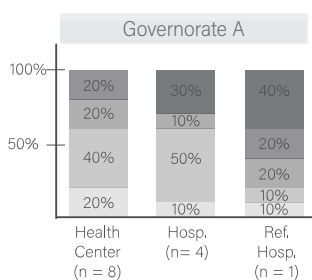


A more detailed overview of availability of individual services is shown as heat maps. Each cell indicates the number of health facilities providing a given service in relation to the catchment population. It should be noted that different catchment areas were used for referral and specialized health 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



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.

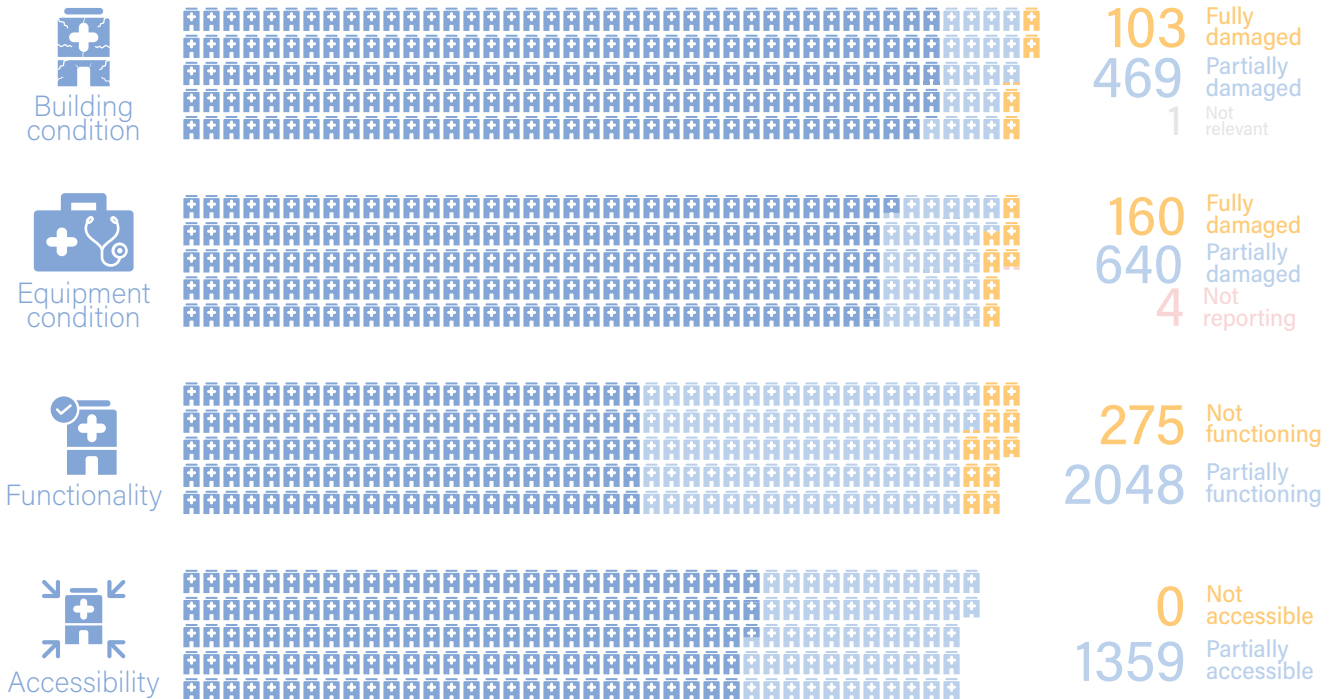
OVERVIEW OF HEALTH FACILITIES ASSESSED

Summary of health facilities assessed

5536 targeted health facilities



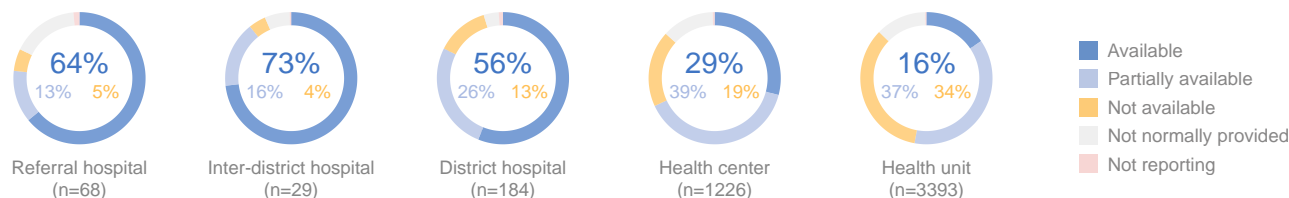
5301 health facilities assessed



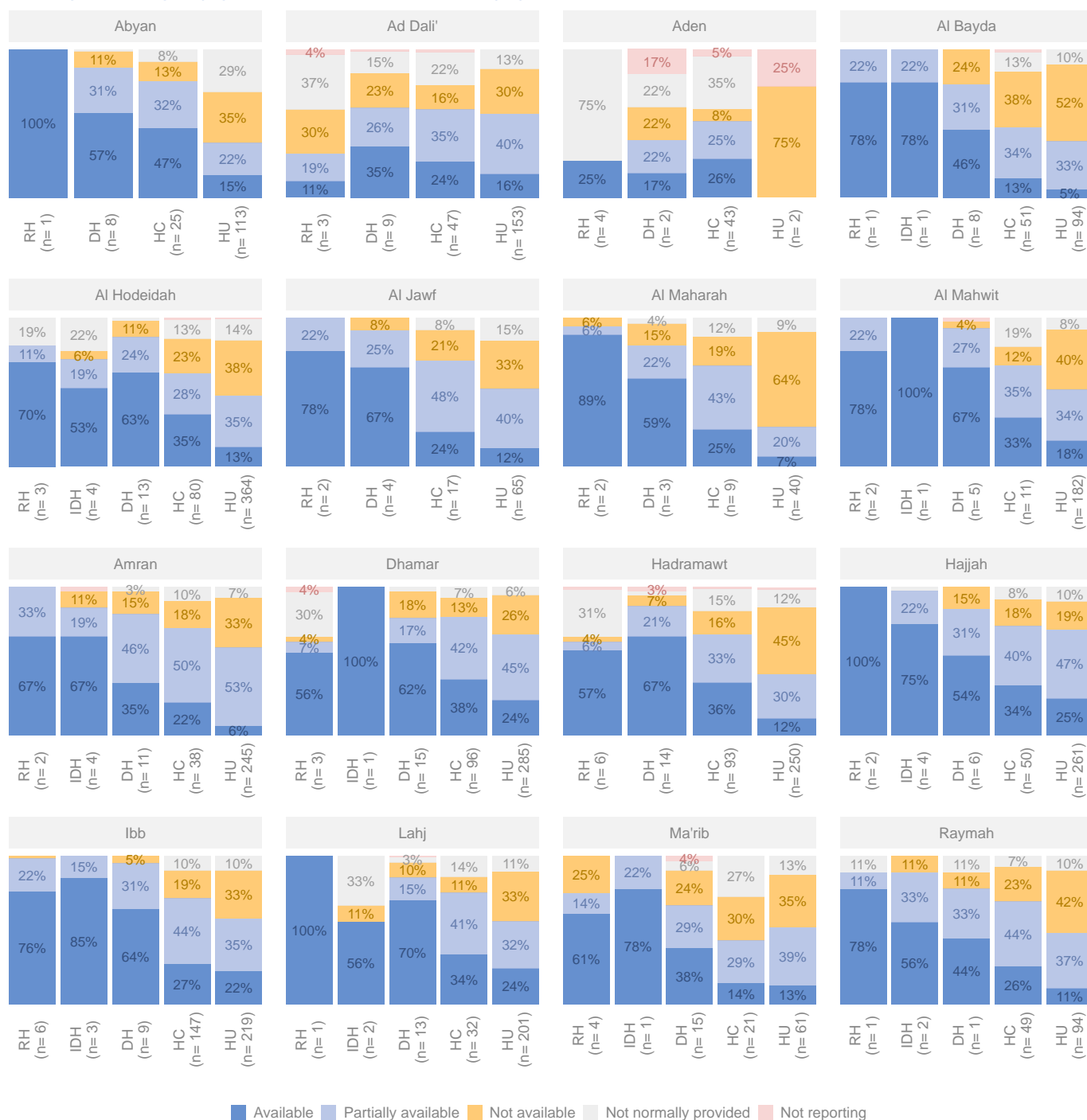
AVAILABILITY OF SERVICE PACKAGE AND MAIN BARRIERS

Maternal and newborn health

Package coverage by health facility type⁶

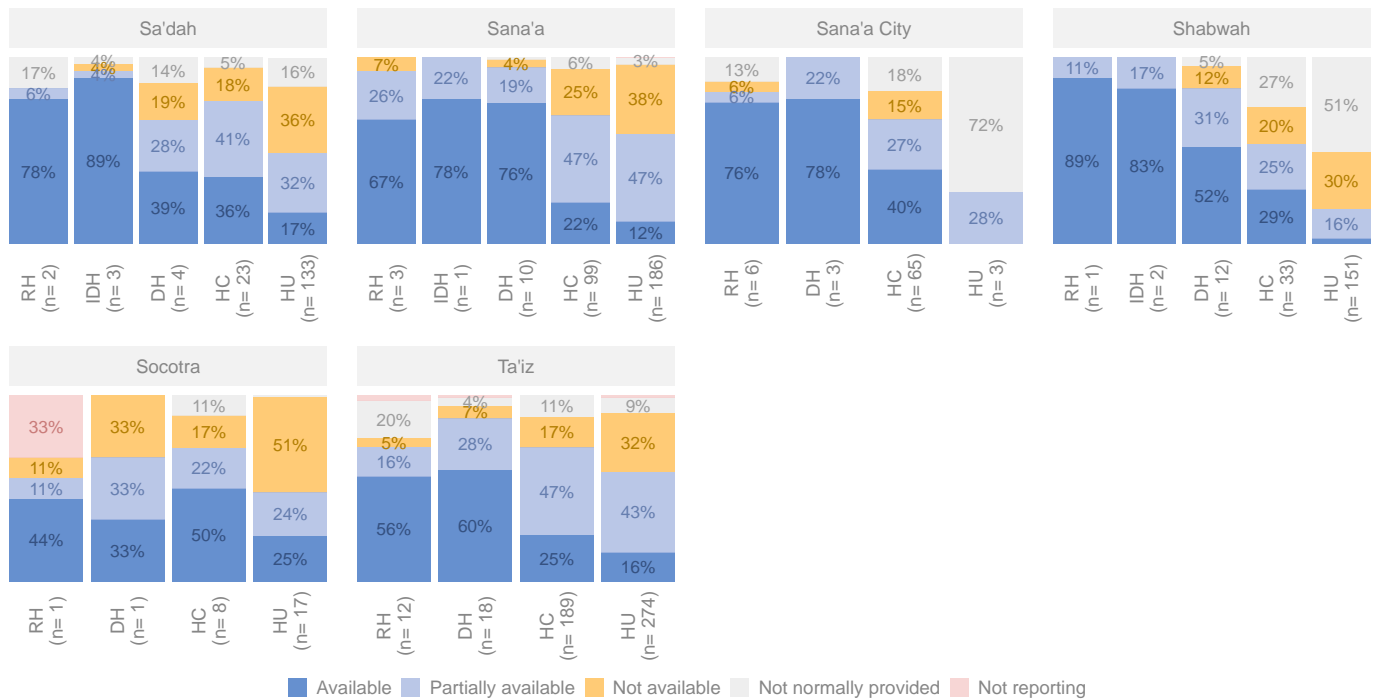


Package coverage by governorate and health facility type⁷



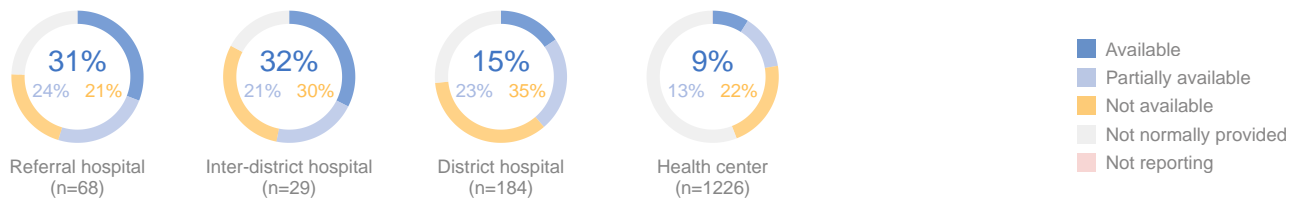
⁶ Number of services included may vary from one health facility type to another. The "Other" HF type has been excluded as it includes very different and specialized HFs. See [Annex I](#) for a full description of the services included for each health facility type and for the HFs included in "Other".

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

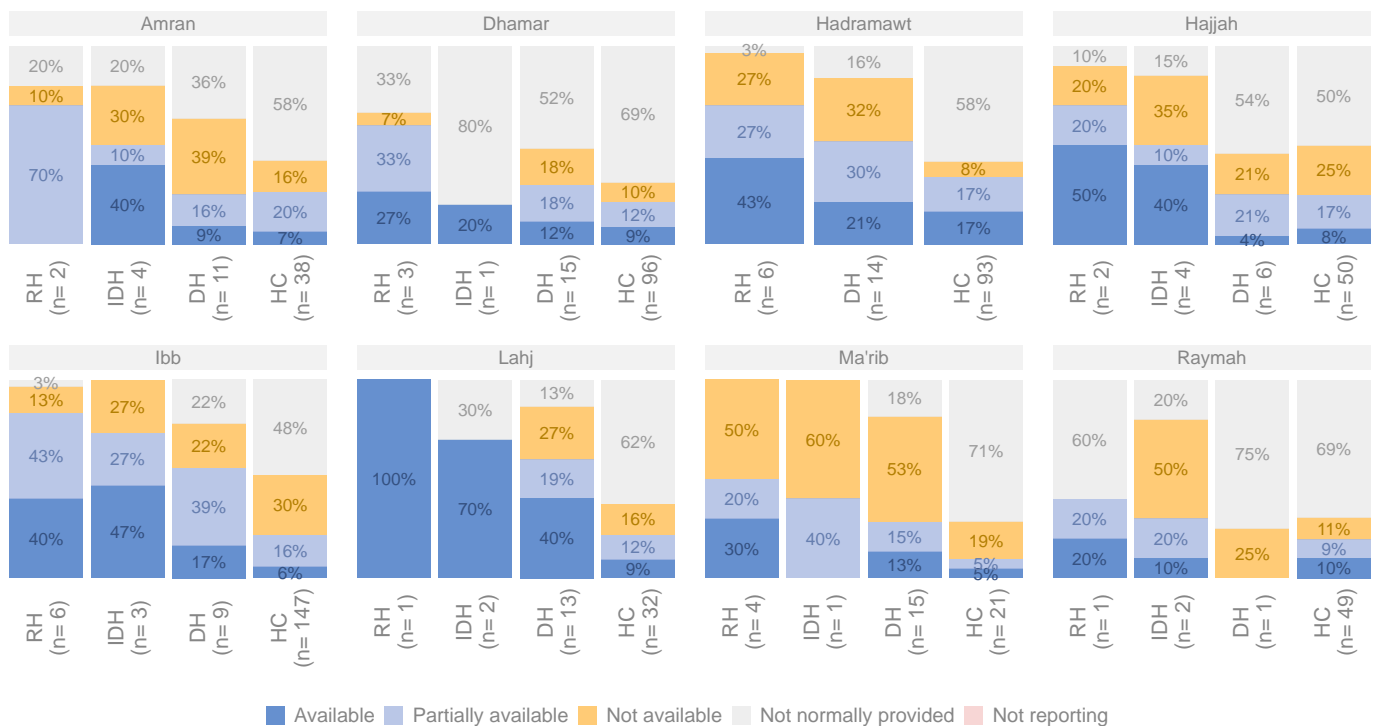


STI & HIV/AIDS

Package coverage by health facility type⁷

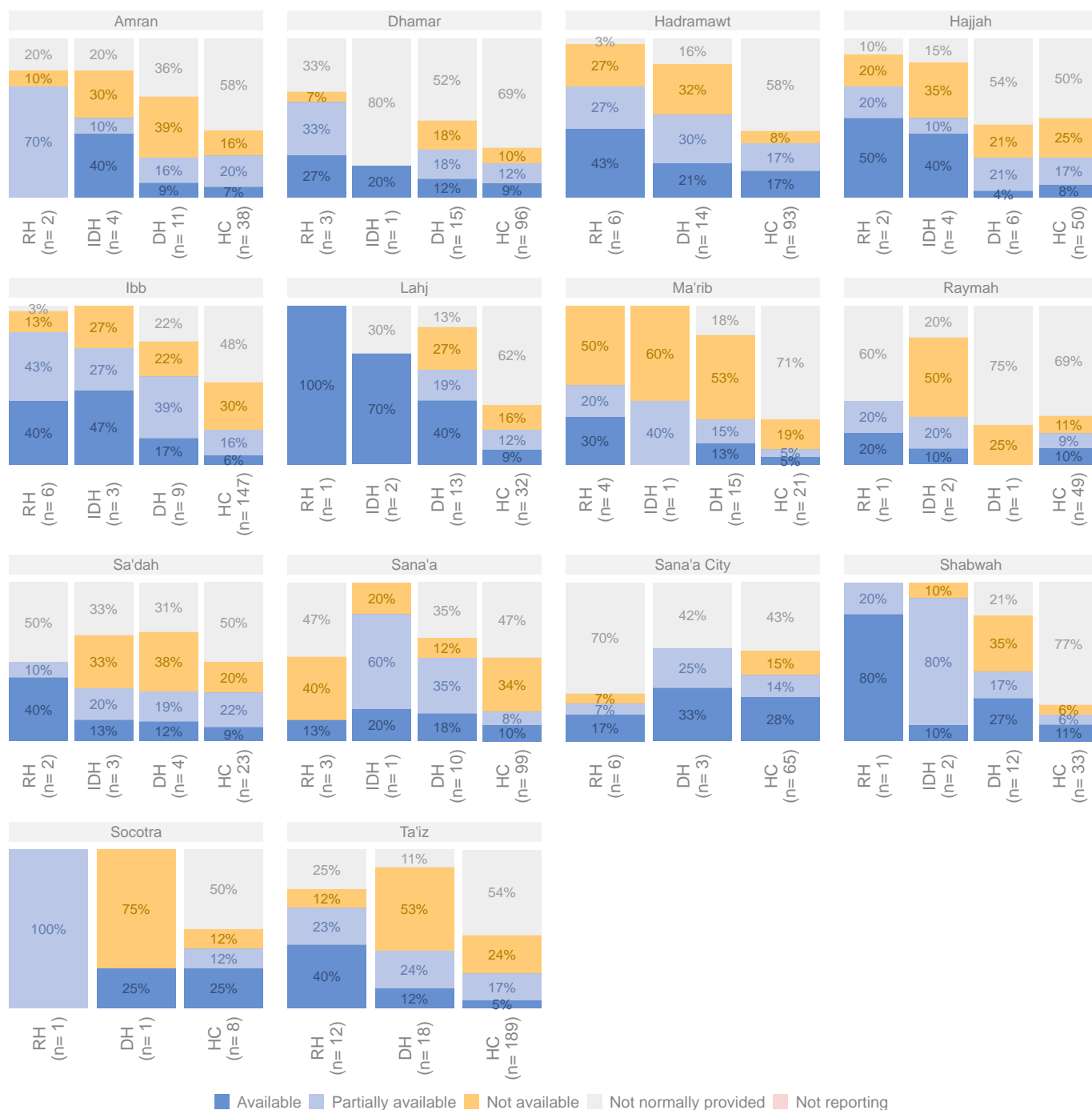


Package coverage by governorate and health facility type⁶



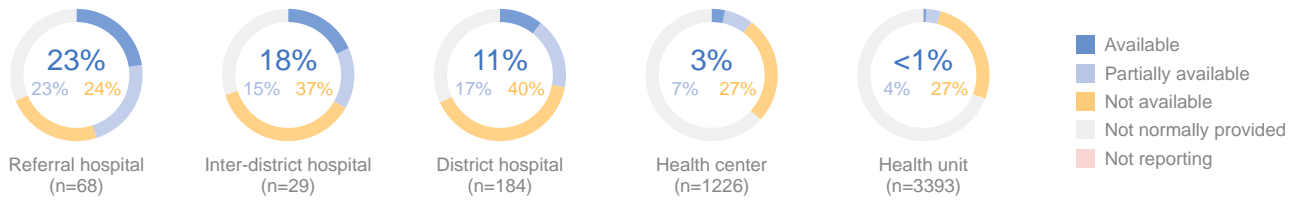
⁷ Number of services included may vary from one health facility type to another. The "Other" HF type has been excluded as it includes very different and specialized HFs. See [Annex I](#) for a full description of the services included for each health facility type.

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

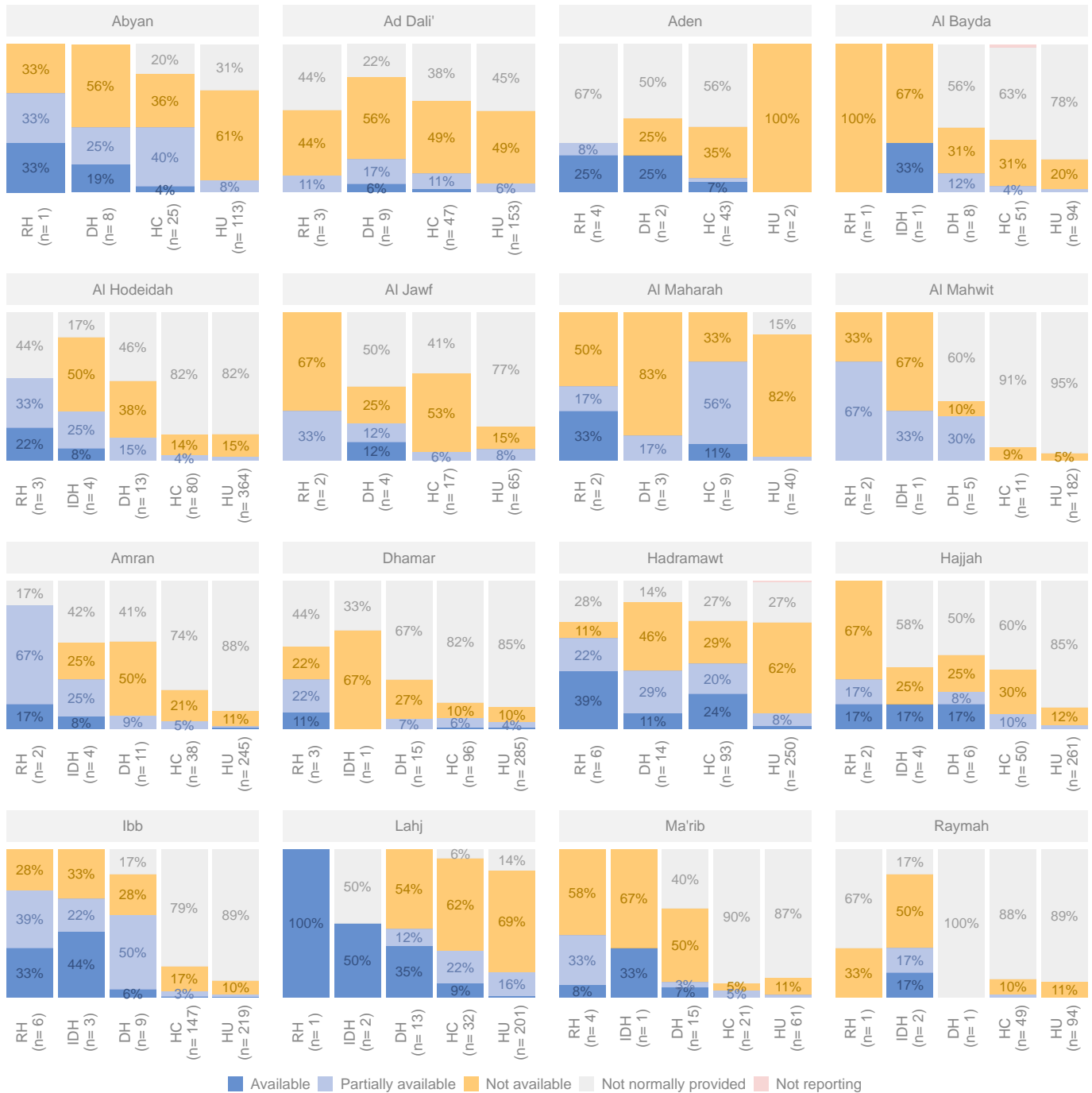


Sexual violence

Package coverage by health facility type⁸

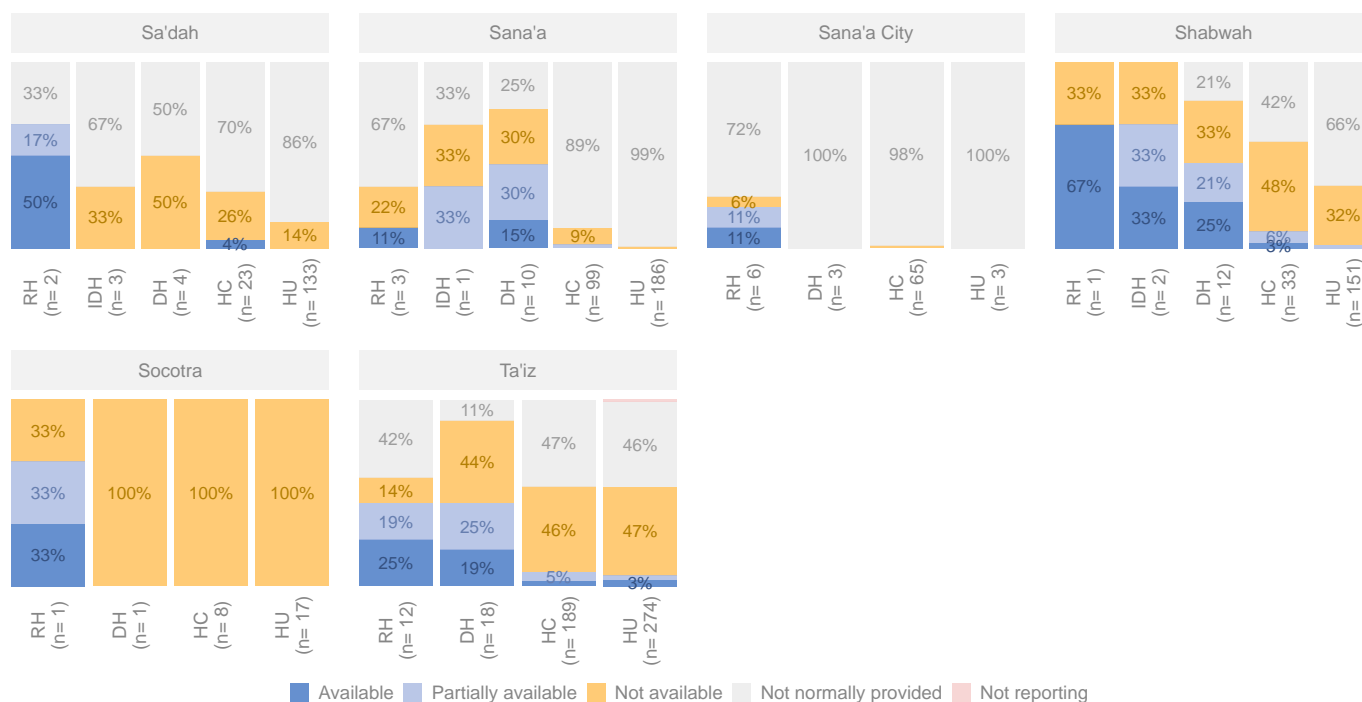


Package coverage by governorate and health facility type⁸



⁸ 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 and for the HFs included in "Other".

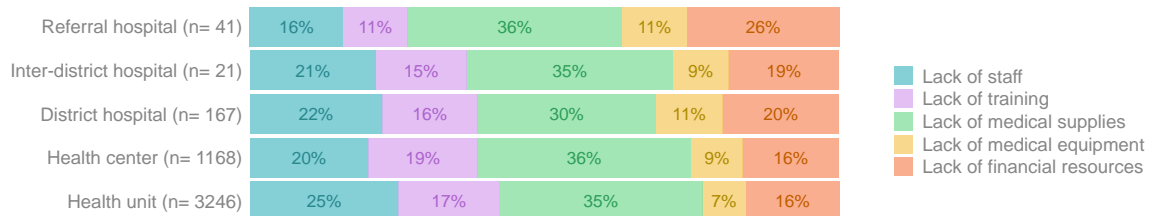
Package coverage by governorate and health facility type (cont.)



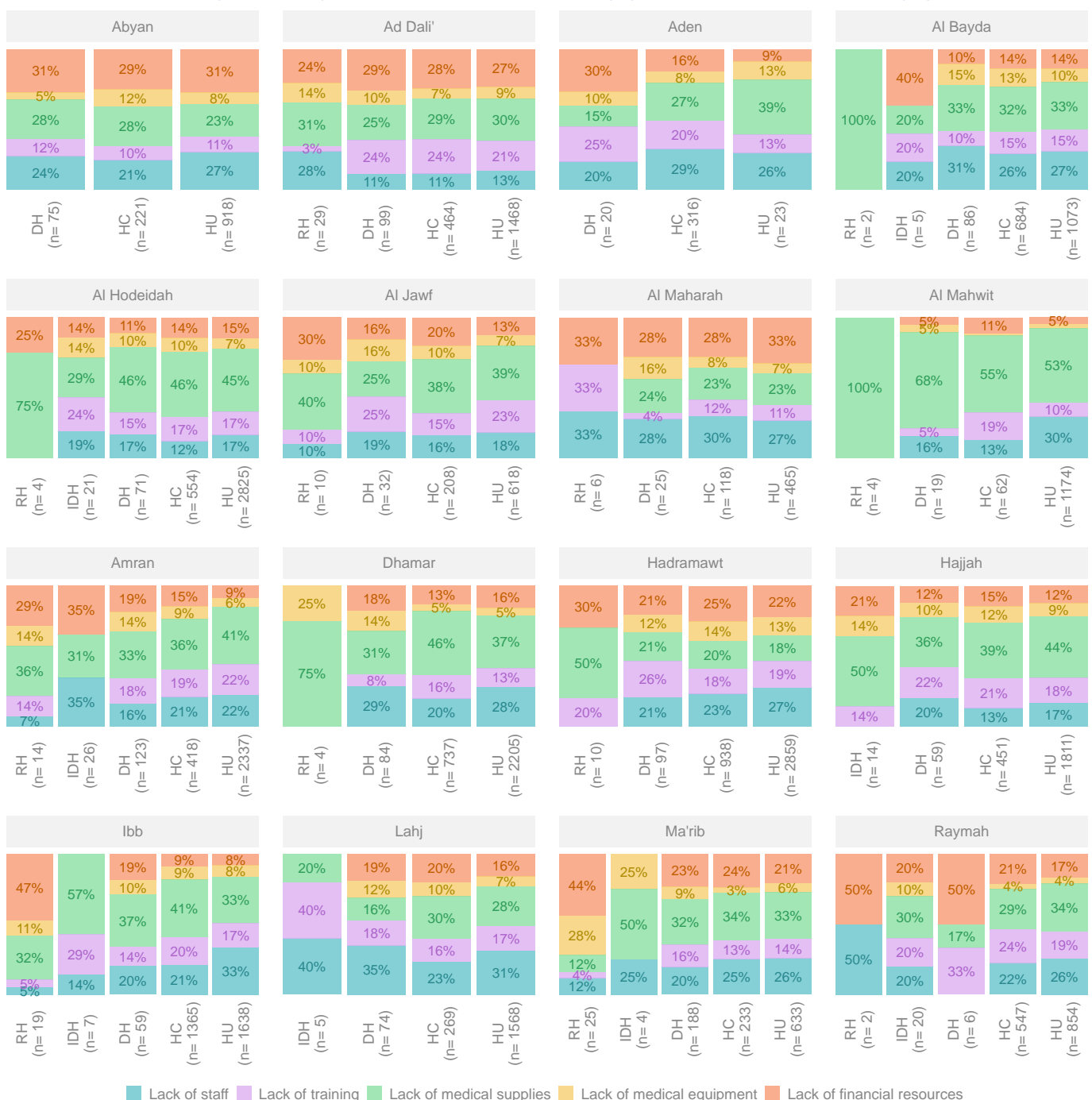
MAIN BARRIERS IMPEDING AVAILABILITY OF SERVICE

Maternal and health

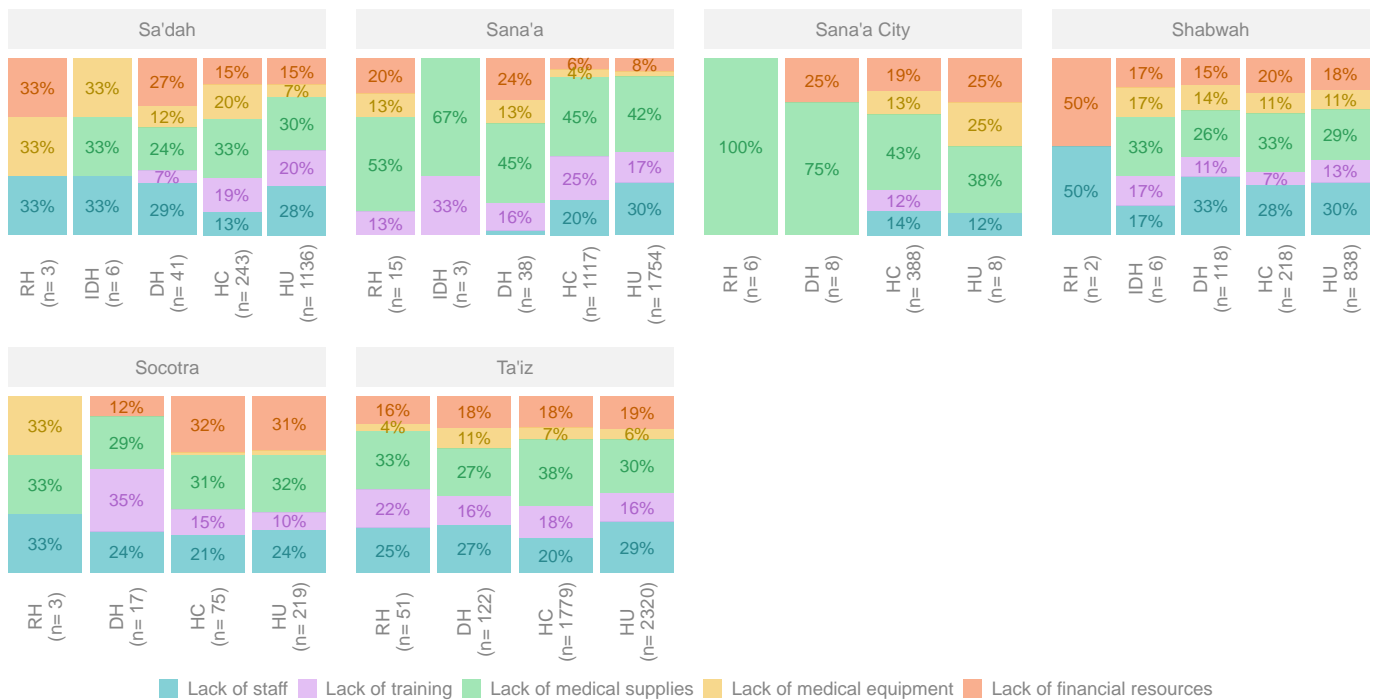
Main barriers impeding availability of essential health services by health facility type



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

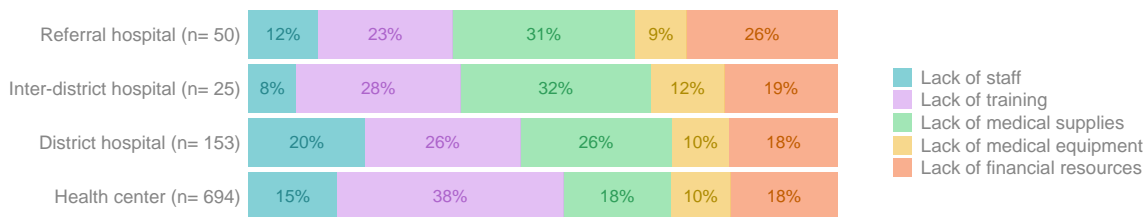


Main barriers impeding availability of essential health services by governorate and health facility type (cont.)

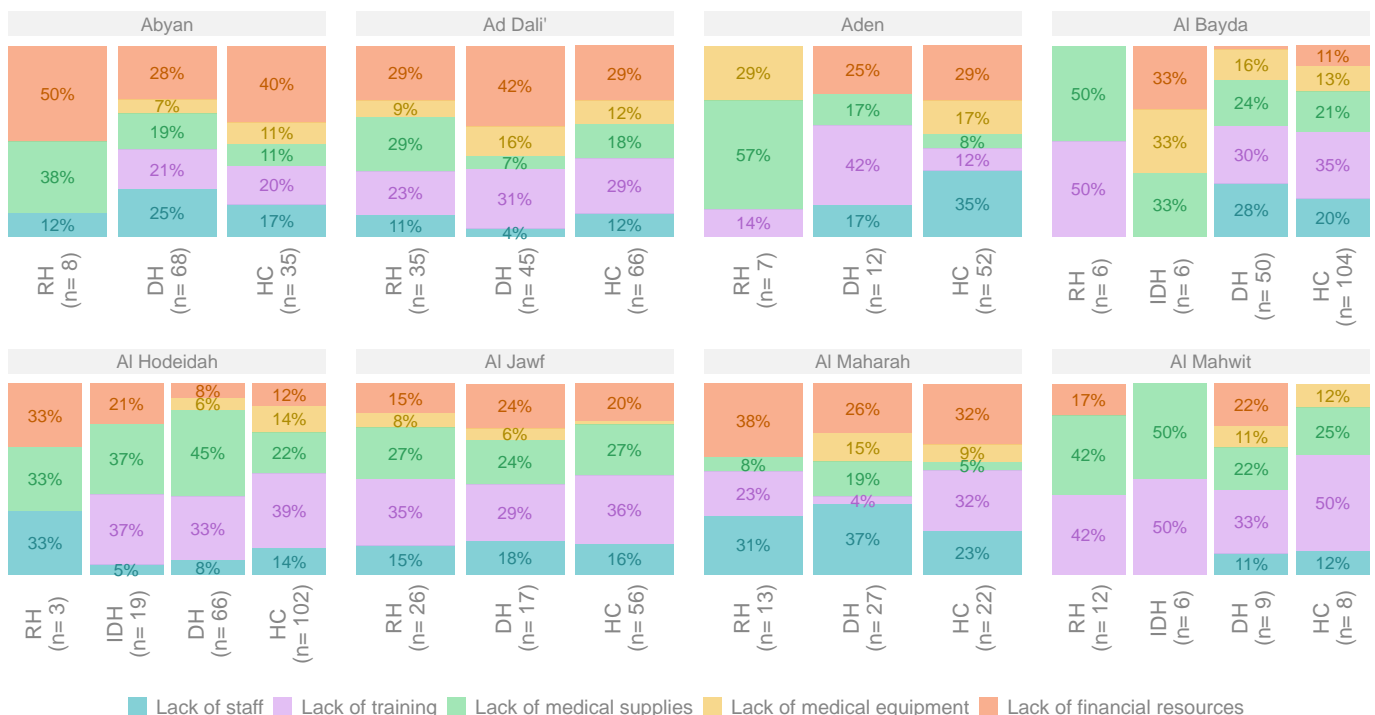


STI & HIV/AIDS

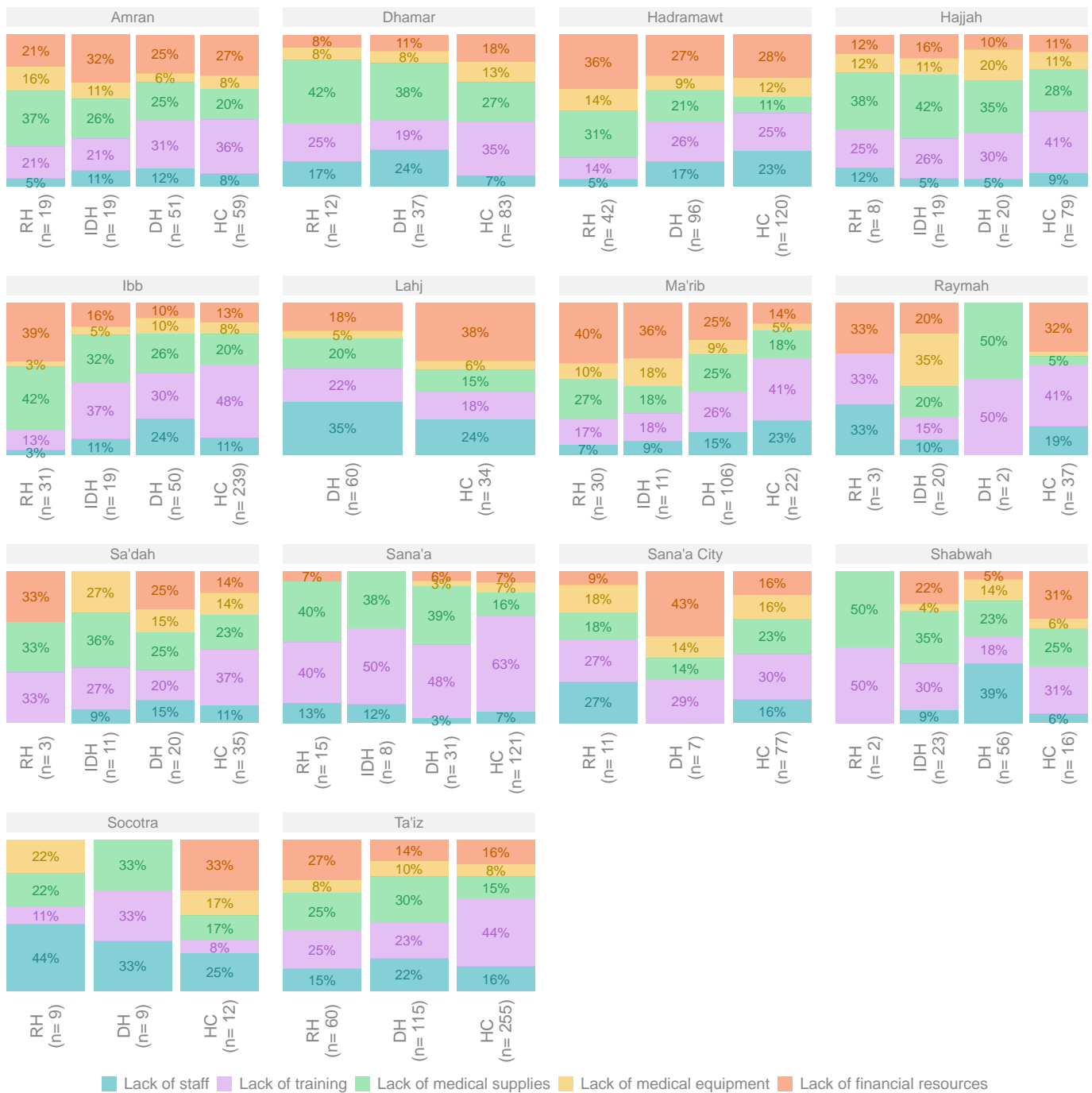
Main barriers impeding availability of essential health services by health facility type



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

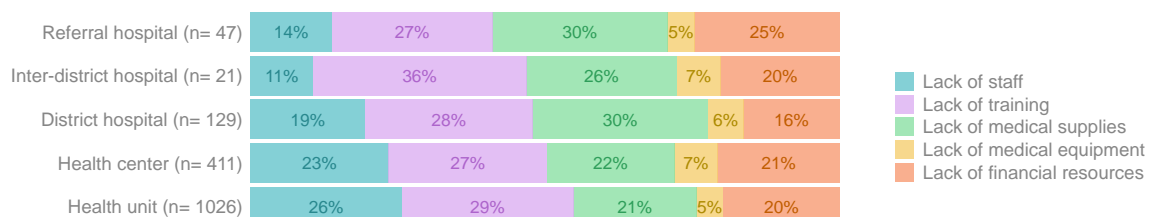


Main barriers impeding availability of essential health services by governorate and health facility type (cont.)

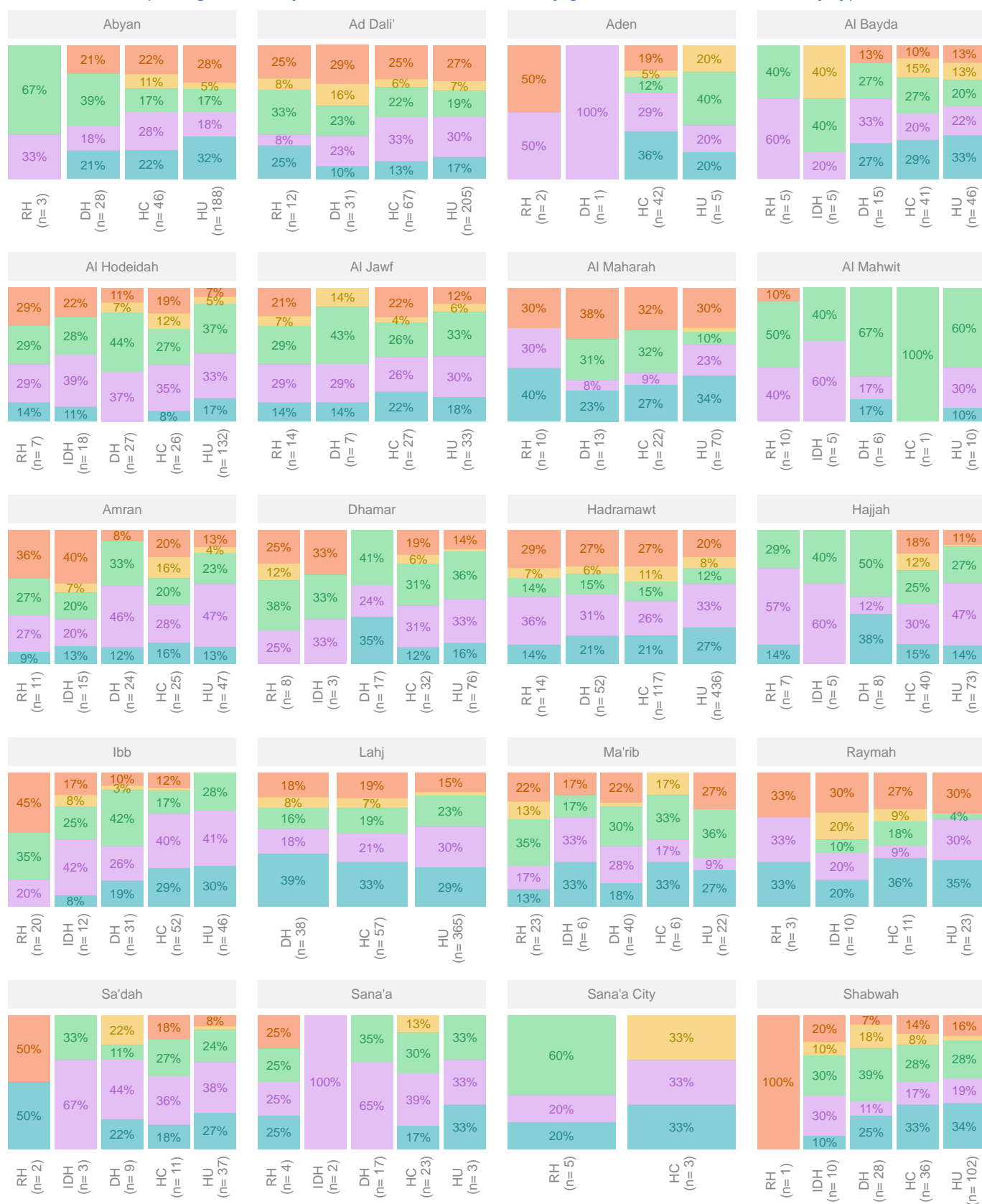


Sexual violence

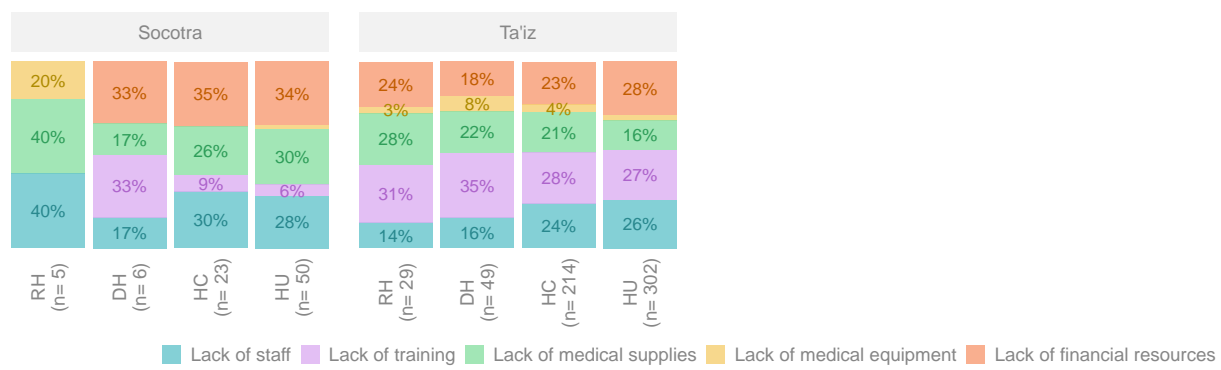
Main barriers impeding availability of essential health services by health facility type



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 (cont.)

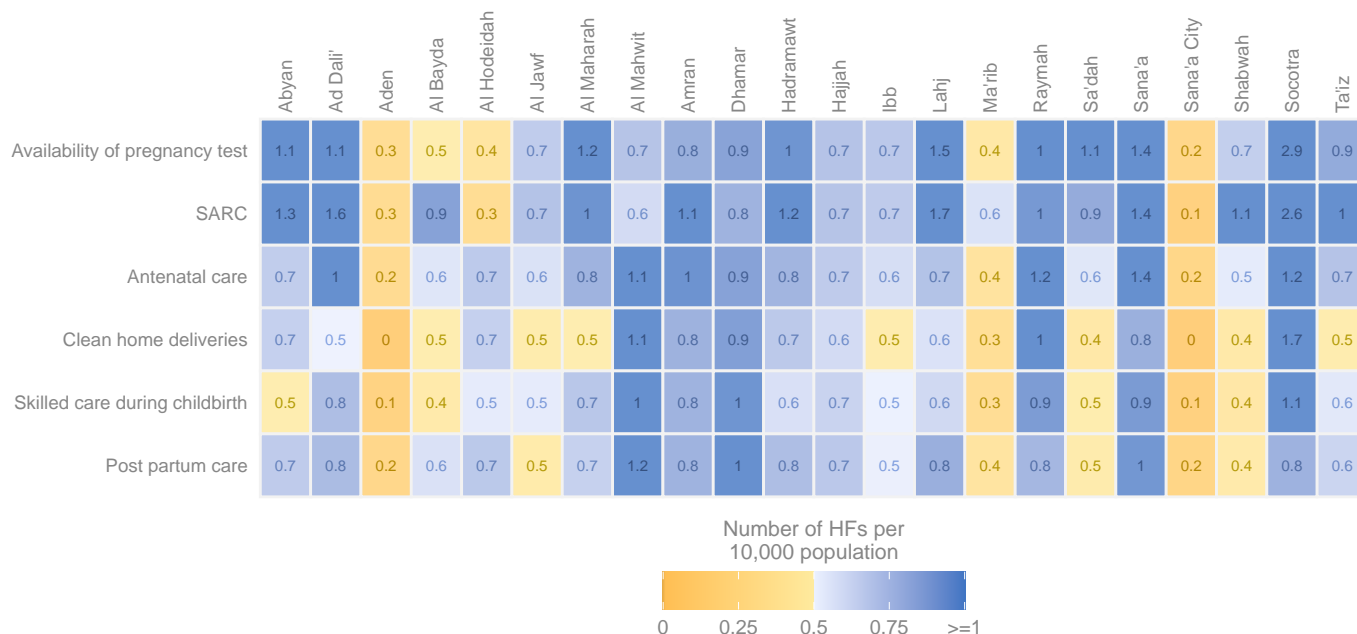


SERVICE AVAILABILITY BY CATCHMENT POPULATION

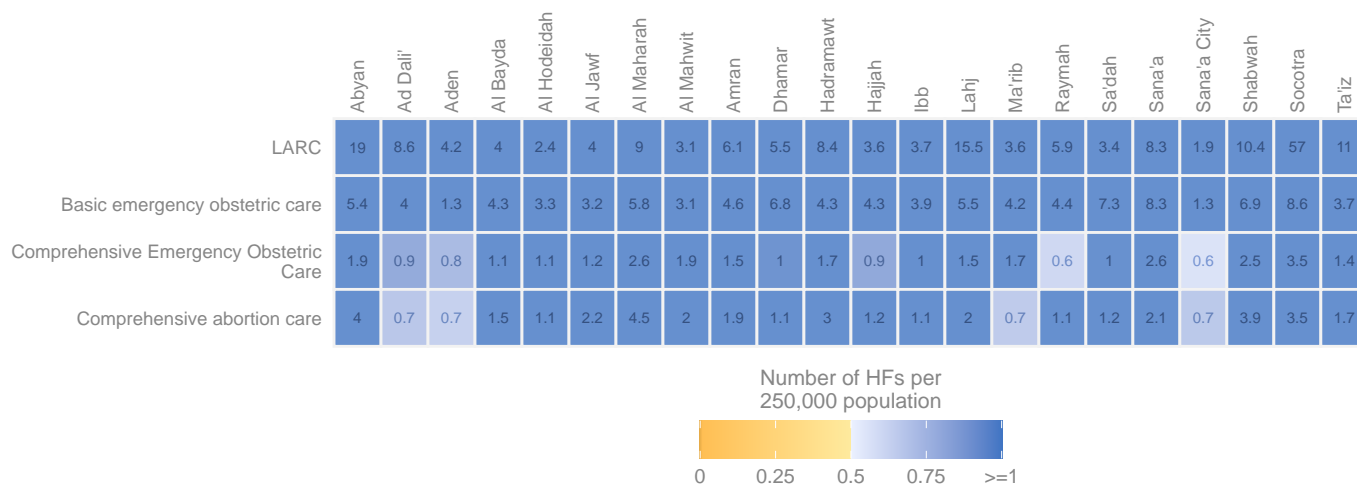
Note: While the average number of health facilities providing essential health services per population is a useful metric for high-level comparisons, it is recommended that geospatial accessibility models be developed. By taking into account additional factors such as travel time, these models provide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

Maternal and newborn health

Number of health facilities providing essential community and primary services per 10,000 population⁹



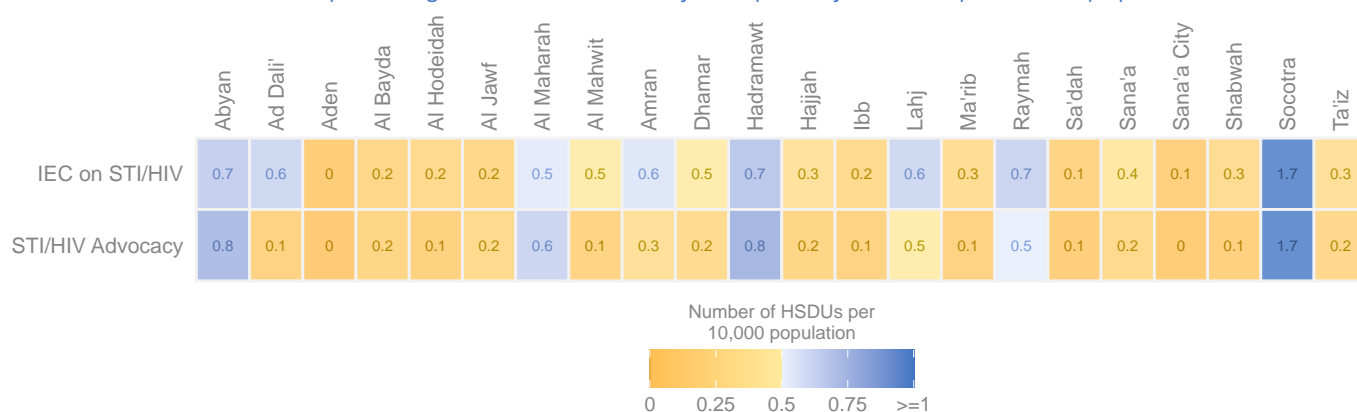
Number of health facilities providing specialized services per 250,000 population¹⁰



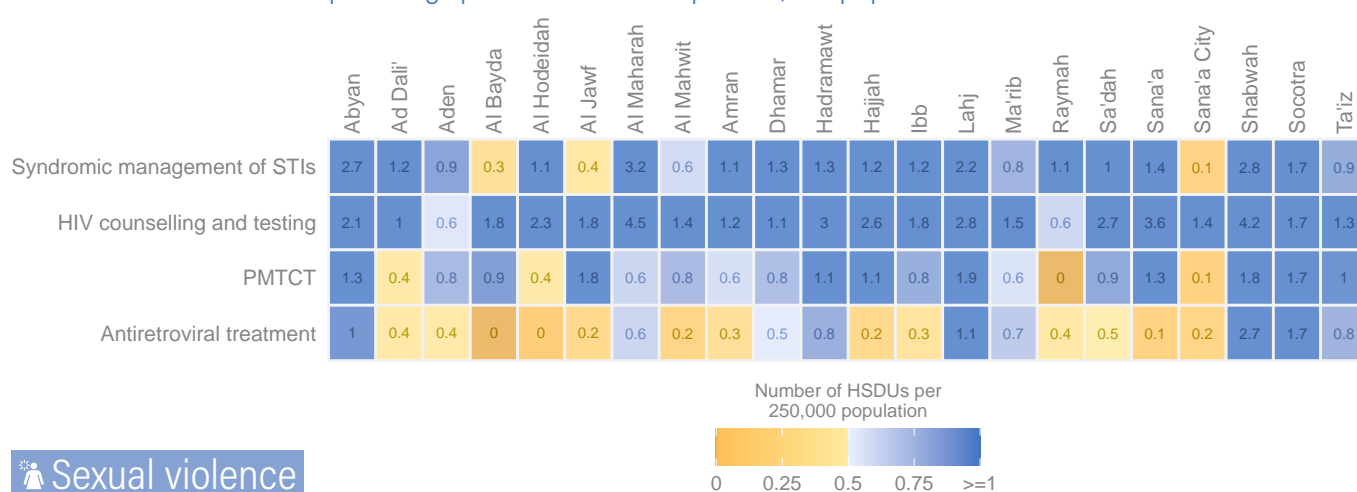
⁹ Sphere minimum standard: 1 HF per 10,000 population and 1 hospital per 250,000 population. See annex II for population estimates by governorate and by district.

STI & HIV/AIDS

Number of health facilities providing essential community and primary services per 10,000 population¹⁰

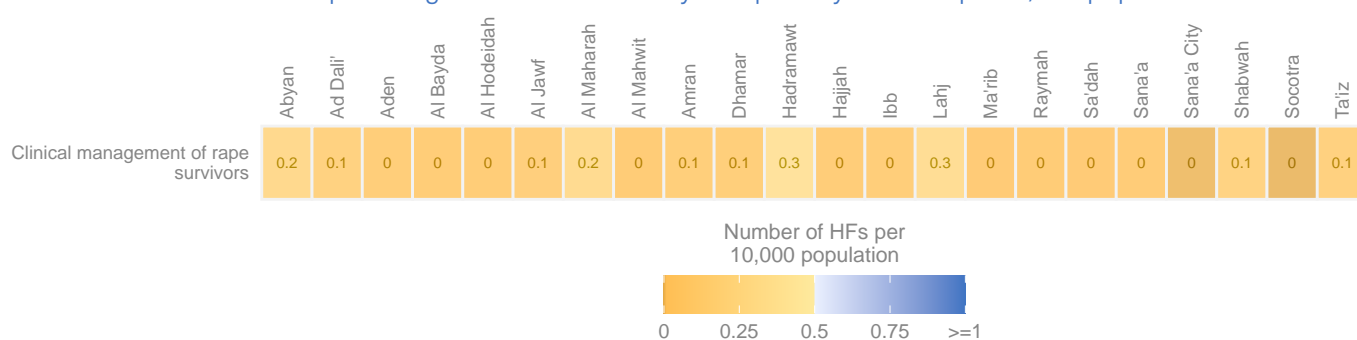


Number of health facilities providing specialized services per 250,000 population⁹

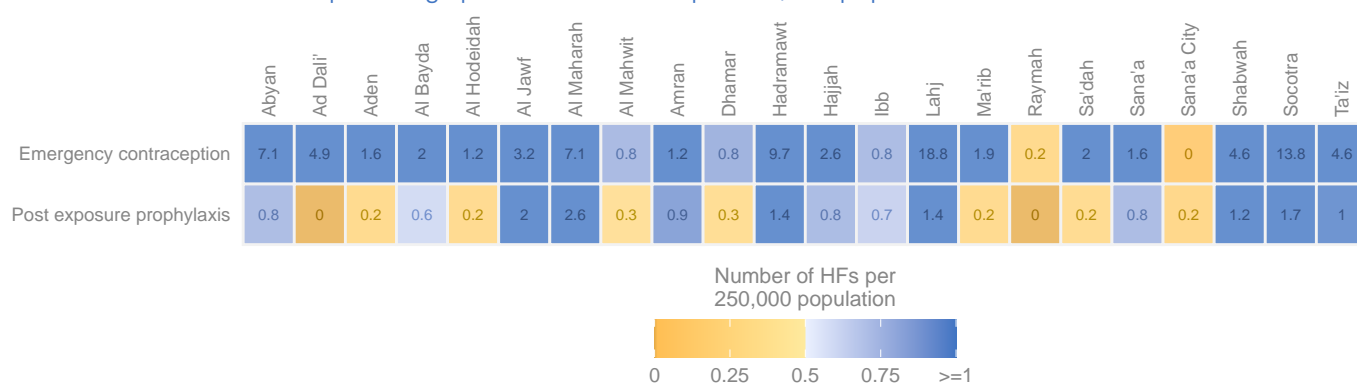


Sexual violence

Number of health facilities providing essential community and primary services per 10,000 population⁹



Number of health facilities providing specialized services per 250,000 population¹⁰



¹⁰ 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.

MAIN BARRIERS IMPEDING SERVICE DELIVERY

Maternal and newborn health

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

	Abyan					Ad Dali'					Aden					Al Bayda					Al Hodeidah				
Availability of pregnancy test	34	12	37	7	49	12	22	85	13	71	11	6	12	1	5	57	24	94	43	39	32	30	279	27	76
	49%	17%	54%	10%	71%	11%	20%	77%	12%	65%	92%	50%	100%	8%	42%	47%	20%	78%	36%	32%	10%	10%	91%	9%	25%
SARC	30	13	27	10	43	12	16	72	13	53	12	8	14	1	3	53	26	103	18	46	30	30	359	29	98
	60%	26%	54%	20%	86%	13%	17%	77%	14%	56%	86%	57%	100%	7%	21%	41%	20%	80%	14%	36%	8%	8%	93%	8%	26%
Antenatal care	67	24	61	20	71	65	100	117	25	104	13	12	15	4	8	89	56	96	31	43	124	141	242	50	90
	68%	24%	62%	20%	72%	40%	61%	72%	15%	64%	65%	60%	75%	20%	40%	71%	45%	77%	25%	34%	39%	44%	76%	16%	28%
Clean home deliveries	17	21	32	15	38	27	76	75	44	98	13	3	4	11	11	72	49	82	27	37	101	98	195	54	92
	33%	40%	62%	29%	73%	19%	54%	53%	31%	69%	93%	21%	29%	79%	79%	63%	43%	71%	23%	32%	34%	33%	66%	18%	31%
Skilled care during childbirth	75	29	57	20	78	65	108	123	34	95	15	12	10	8	8	89	40	92	31	28	125	130	252	65	85
	73%	28%	55%	19%	76%	38%	64%	72%	20%	56%	75%	60%	50%	40%	40%	77%	34%	79%	27%	24%	39%	41%	79%	21%	27%
Post-partum care	69	26	56	20	69	66	90	103	29	89	18	17	17	2	10	79	53	67	25	28	105	120	146	24	48
	73%	28%	60%	21%	73%	43%	59%	68%	19%	59%	78%	74%	74%	9%	43%	71%	47%	60%	22%	25%	46%	53%	65%	11%	21%
	Al Jawf					Al Maharah					Al Mahwit					Amran					Dhamar				
Availability of pregnancy test	9	20	51	10	27	11	4	21	4	23	28	2	159	4	6	69	53	192	21	51	87	28	179	33	93
	15%	34%	86%	17%	46%	31%	11%	60%	11%	66%	17%	1%	95%	2%	4%	29%	23%	82%	9%	22%	36%	11%	73%	13%	38%
SARC	13	17	44	9	18	14	7	24	6	24	47	5	183	2	12	66	44	244	23	41	80	26	256	21	100
	25%	32%	83%	17%	34%	36%	18%	62%	15%	62%	25%	3%	96%	1%	6%	24%	16%	89%	8%	15%	24%	8%	76%	6%	30%
Antenatal care	34	38	59	10	15	36	9	30	4	39	71	38	112	12	9	124	120	190	36	52	140	73	178	22	66
	51%	57%	88%	15%	22%	84%	21%	70%	9%	91%	50%	27%	79%	8%	6%	51%	49%	78%	15%	21%	57%	30%	73%	9%	27%
Clean home deliveries	15	29	44	17	23	31	19	13	9	22	71	24	69	7	11	97	122	150	28	45	143	85	156	27	49
	26%	50%	76%	29%	40%	70%	43%	30%	20%	50%	60%	20%	58%	6%	9%	39%	49%	60%	11%	18%	57%	34%	62%	11%	19%
Skilled care during childbirth	37	32	58	12	17	35	11	23	7	39	75	32	87	8	12	127	117	178	40	47	135	77	164	20	63
	58%	50%	91%	19%	27%	81%	26%	53%	16%	91%	54%	23%	63%	6%	9%	53%	49%	75%	17%	20%	59%	33%	71%	9%	27%
Post-partum care	27	34	47	6	13	33	12	22	14	39	59	27	45	3	10	114	124	136	26	48	137	76	143	17	61
	47%	60%	82%	11%	23%	77%	28%	51%	33%	91%	59%	27%	45%	3%	10%	51%	55%	61%	12%	21%	62%	35%	65%	8%	28%
	Hadramawt					Hajjah					Ibb					Lahj					Ma'rib				
Availability of pregnancy test	118	76	111	77	138	25	23	148	17	39	81	31	139	29	29	54	29	76	11	50	23	15	49	7	40
	56%	36%	53%	36%	65%	15%	13%	86%	10%	23%	39%	15%	67%	14%	14%	49%	26%	68%	10%	45%	37%	24%	79%	11%	65%
SARC	119	76	122	55	138	27	23	208	24	59	78	43	176	8	51	50	15	37	3	32	20	9	49	3	29
	56%	36%	58%	26%	65%	12%	10%	92%	11%	26%	32%	18%	72%	3%	21%	64%	19%	47%	4%	41%	36%	16%	89%	5%	53%
Antenatal care	184	149	119	83	146	77	97	175	38	39	162	101	173	45	36	134	76	125	32	60	50	29	58	10	29
	70%	57%	45%	32%	56%	35%	45%	81%	18%	18%	65%	40%	69%	18%	14%	65%	37%	61%	16%	29%	68%	40%	79%	14%	40%
Clean home deliveries	144	111	77	96	131	60	80	146	43	48	123	77	166	56	41	77	41	94	23	52	46	23	58	12	40
	68%	52%	36%	45%	62%	28%	38%	69%	20%	23%	49%	31%	66%	22%	16%	53%	28%	65%	16%	36%	61%	30%	76%	16%	53%
Skilled care during childbirth	209	145	141	86	148	83	86	157	55	48	168	104	181	56	31	132	82	101	37	56	51	27	57	14	36
	76%	53%	51%	31%	54%	39%	40%	74%	26%	23%	63%	39%	68%	21%	12%	66%	41%	50%	18%	28%	70%	37%	78%	19%	49%
Post-partum care	179	146	108	84	135	73	72	111	20	41	149	103	129	35	37	110	69	79	26	52	49	22	50	11	33
	72%	58%	43%	34%	54%	44%	43%	67%	12%	25%	62%	43%	54%	15%	15%	67%	42%	48%	16%	32%	71%	32%	72%	16%	48%
	Raymah					Sa'dah					Sana'a					Sana'a City					Shabwah				
Availability of pregnancy test	29	34	74	3	46	23	26	58	12	32	64	42	193	4	44	1		6	3	3	31	9	43	21	30
	28%	33%	71%	3%	44%	29%	33%	73%	15%	41%	30%	20%	91%	2%	21%	11%		67%	33%	33%	37%	11%	52%	25%	36%
SARC	26	19	93	4	47	43	33	61	15	28	57	49	243	2	37	4	1	55	5	18	42	14	56	8	40
	21%	16%	76%	3%	39%	42%	32%	60%	15%	27%	23%	20%	98%	1%	15%	7%	2%	90%	8%	30%	42%	14%	57%	8%	40%
Antenatal care	63	54	62	5	30	65	54	79	17	35	139	111	195	13	26	5	2	12	3	6	73	28	67	27	34
	66%	56%	65%	5%	31%	60%	50%	72%	16%	32%	59%	47%	83%	6%	11%	36%	14%	86%	21%	43%	72%	28%	66%	27%	34%
Clean home deliveries	63	57	40	8	41	58	52	70	32	33	111	105	170	24	47	15	17	17	11	12	23	17	32	12	28
	59%	53%	37%	7%	38%	48%	43%	58%	26%	27%	46%	44%	71%	10%	20%	48%	55%	55%	35%	39%	39%	29%	54%	20%	47%
Skilled care during childbirth	80	54	79	20	35	82	54	72	24	39	167	95	192	26	22	12	8	16	6	10	79	17	59	28	28
	67%	45%	66%	17%	29%	73%	48%	64%	21%	35%	70%	40%	81%	11%	9%	52%	35%	70%	26%	43%	86%	18%	64%	30%	30%
Post-partum care	50	41	64	11	34	73	42	68	19	36	153	102	146	13	18	3	1	7	5	3	69	36	56	18	33
	50%	41%	63%	11%	34%	70%	40%	65%	18%	34%	69%	46%	66%	6%	8%	25%	8%	58%	42%	25%	70%	37%	57%	18%	34%

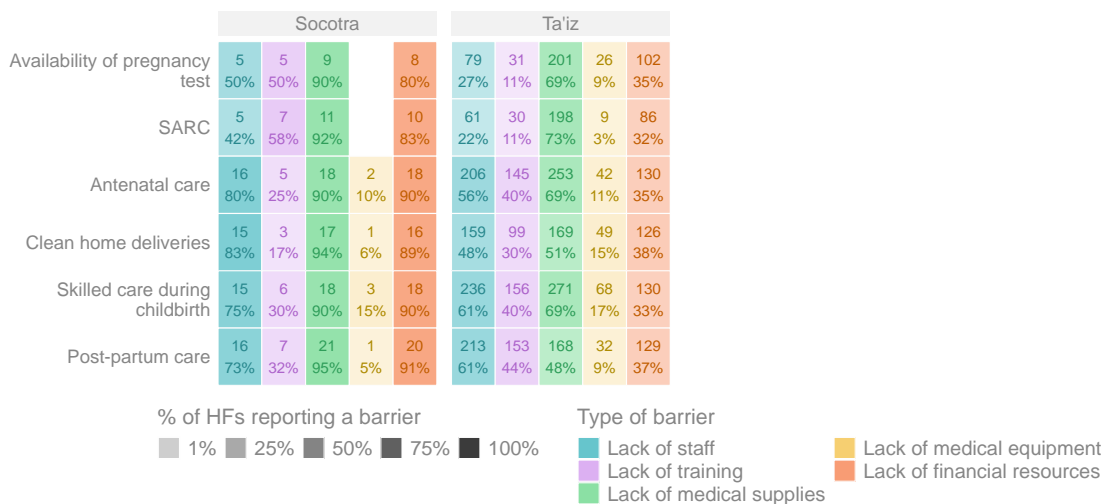
% of HFs reporting a barrier

1% 25% 50% 75% 100%

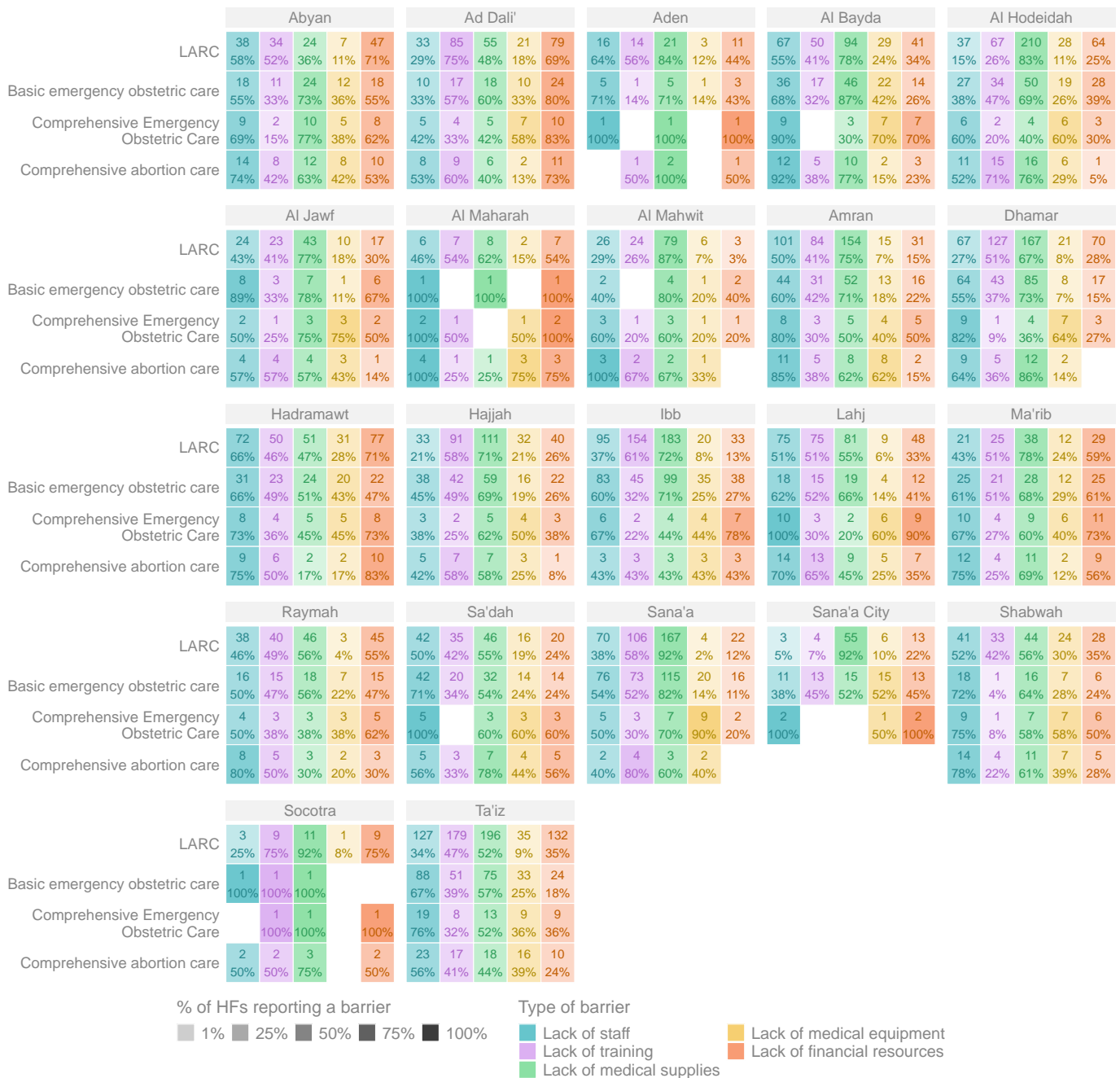
Type of barrier

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

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

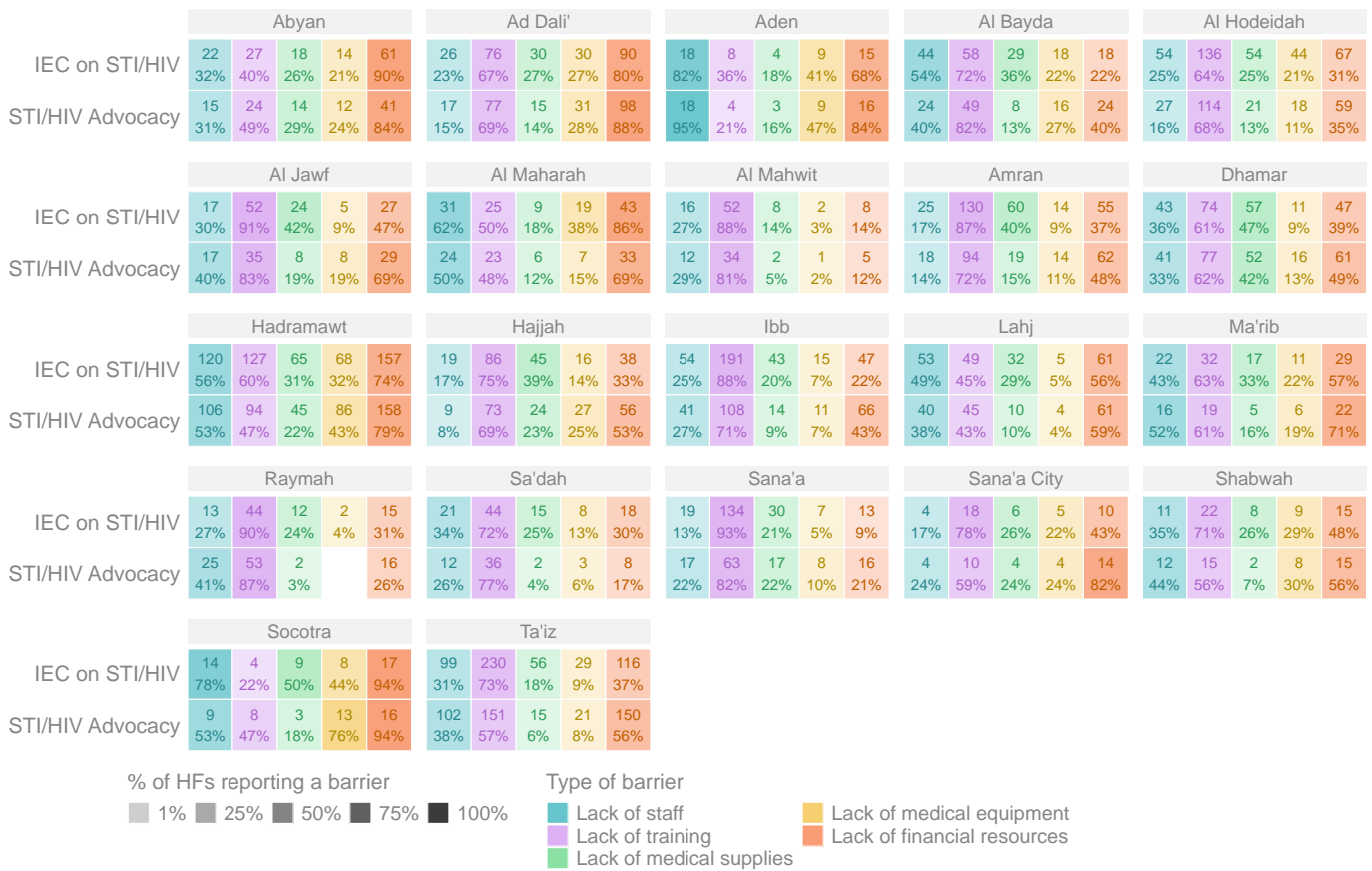


Main barriers impeding availability of specialized services by governorate

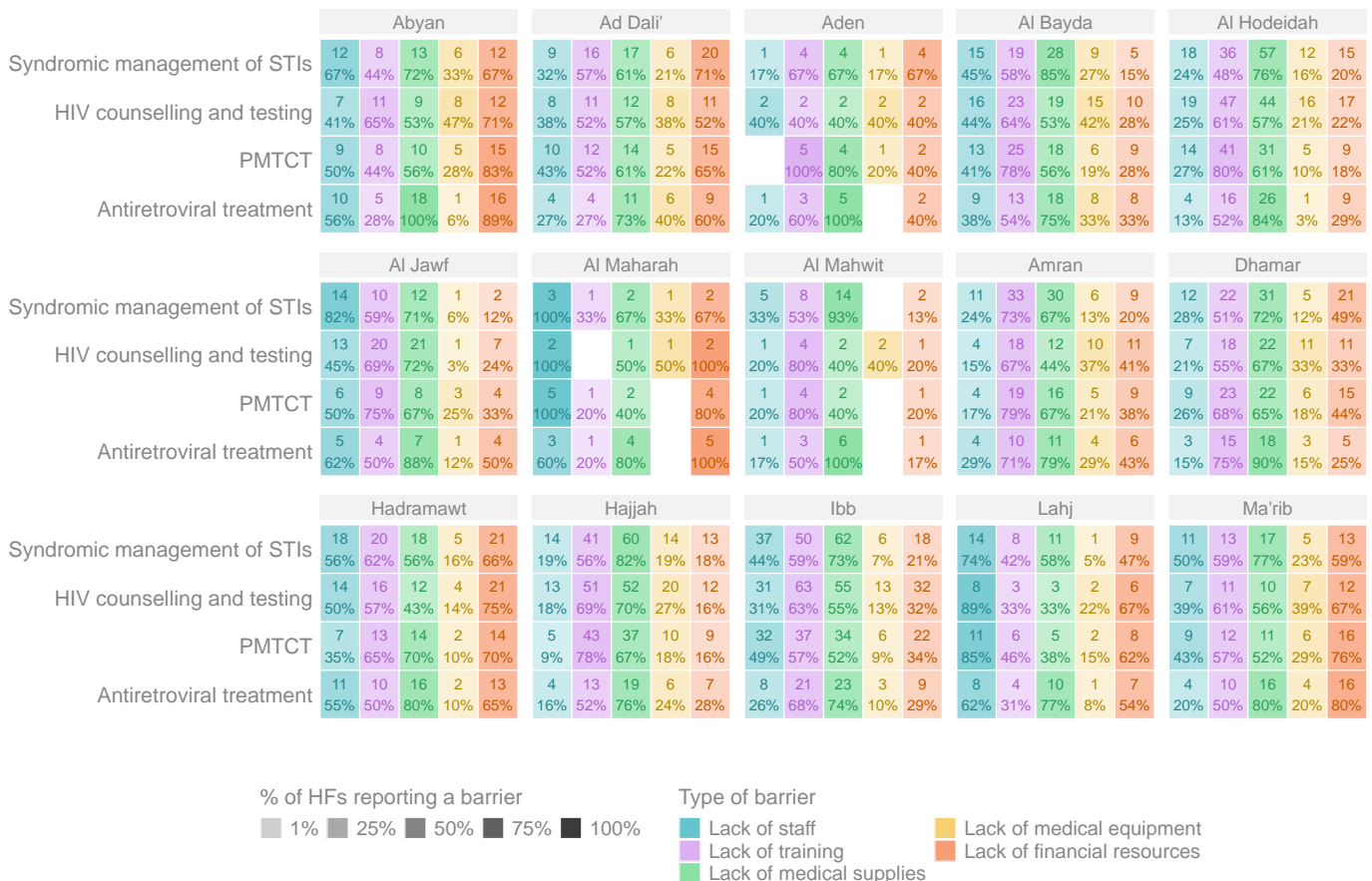


STI & HIV/AIDS

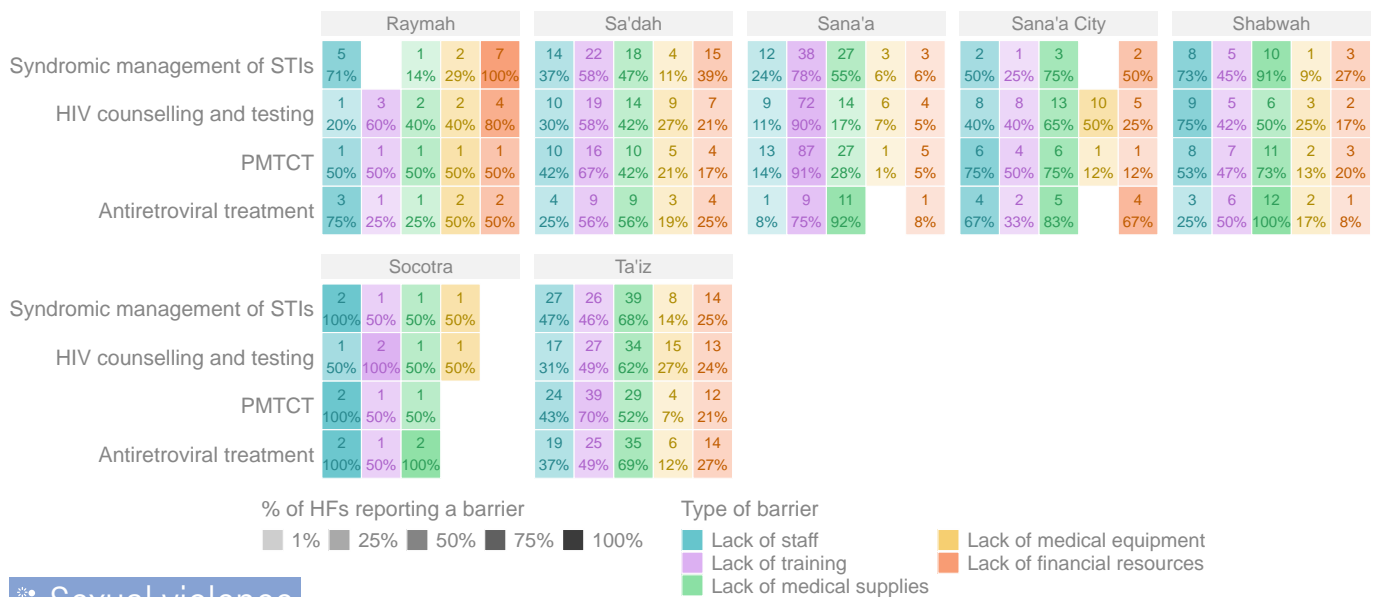
Main barriers impeding availability of essential community and primary health services by governorate



Main barriers impeding availability of specialized services by governorate

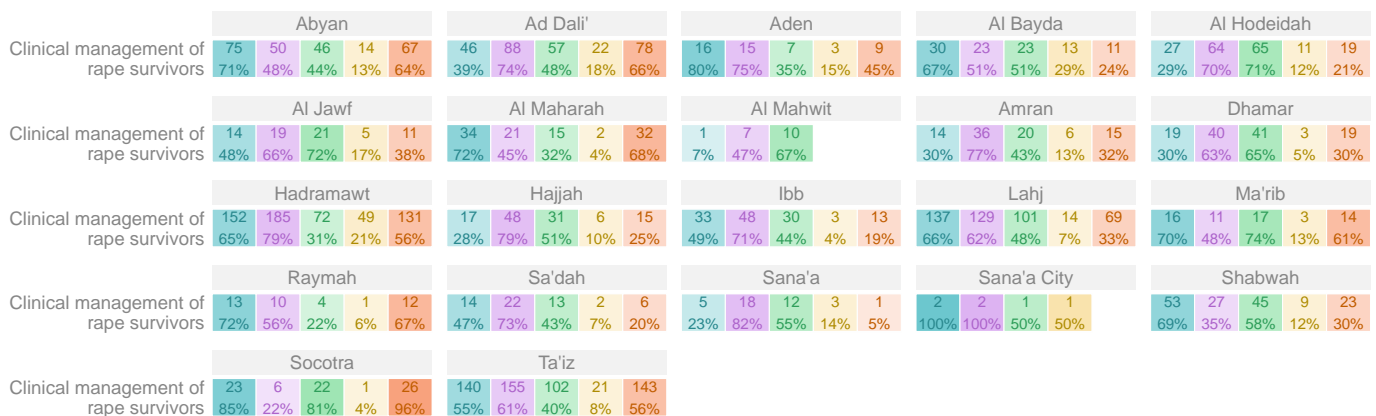


Main barriers impeding availability of specialized services by governorate (cont.)



Sexual violence

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



Main barriers impeding availability of specialized services by governorate



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.



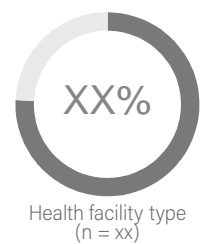
Column charts

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.

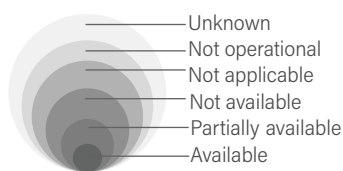


Donut charts

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 least partially available in all HSDUs have been omitted.

Map label:

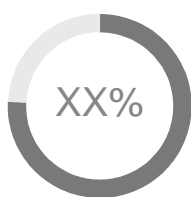
Governorate name
X / X%

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.

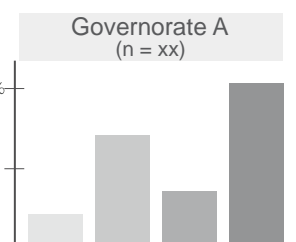
Donut charts

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

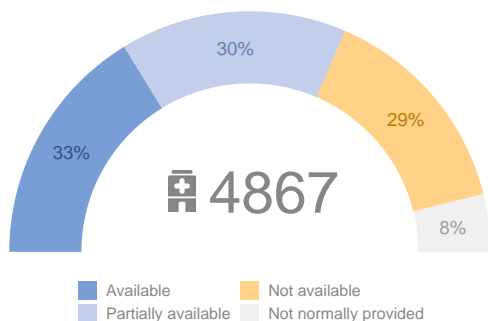
Bar charts depicting barriers follow the same logic as donut charts and exclude health facilities where the service was fully available. The number of health facilities reporting at least one barrier is displayed below the governorates name.



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%.

PREGNANCY TEST

Overall service availability

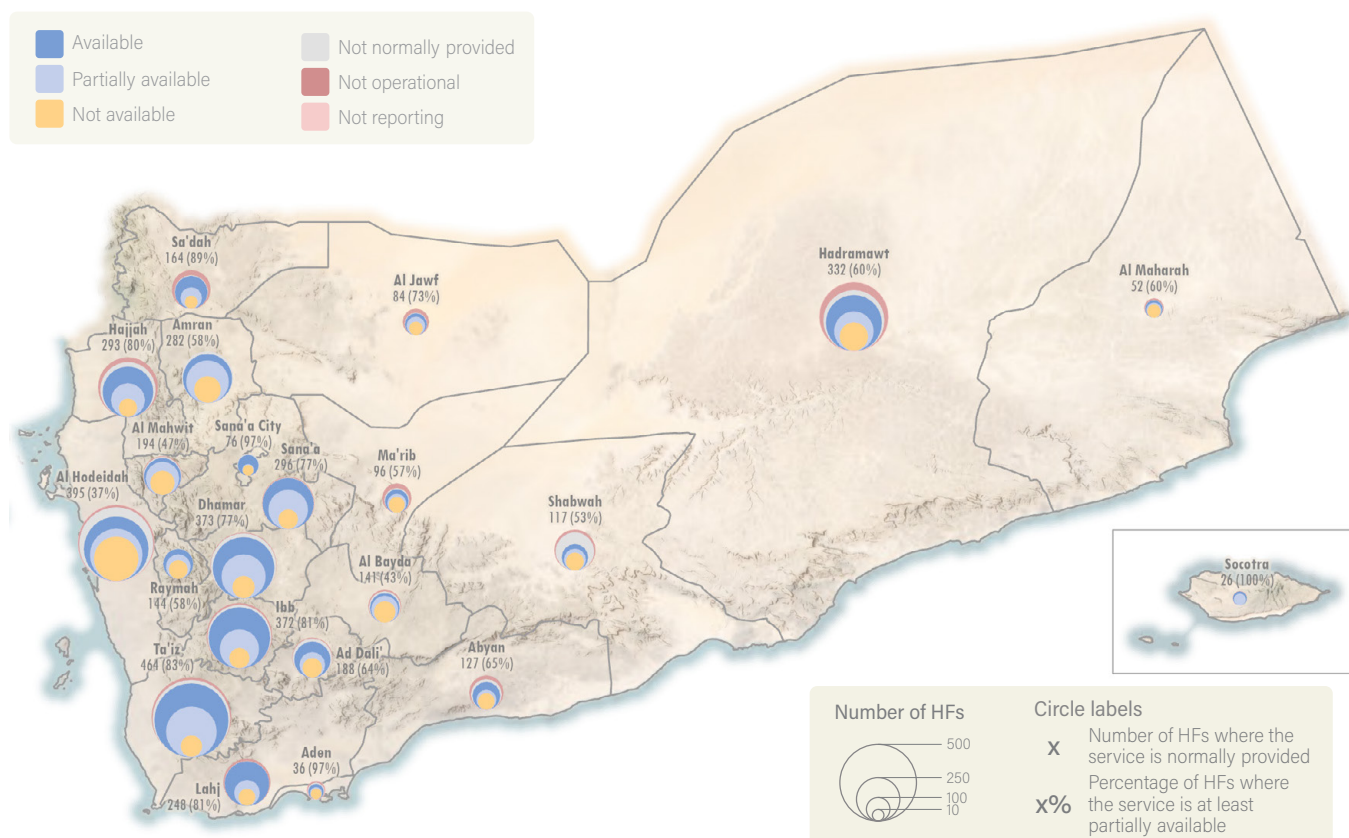
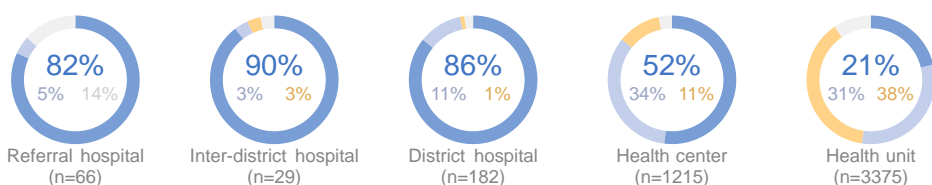


Main barriers impeding service delivery

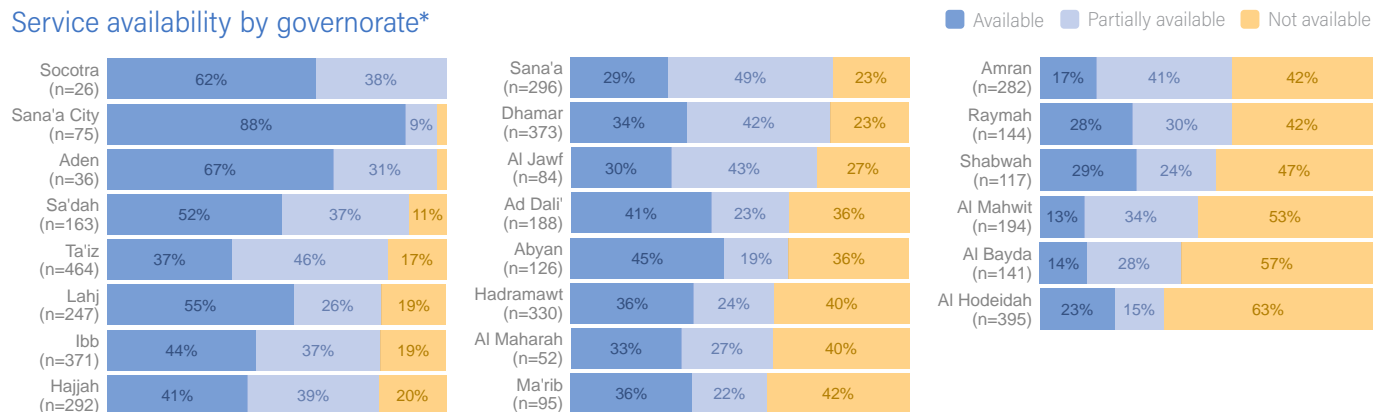
n = 2909



Service availability by type of HF



Service availability by governorate*



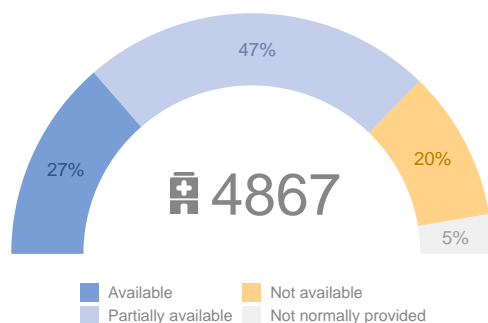
Main barriers impeding service delivery by governorate



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

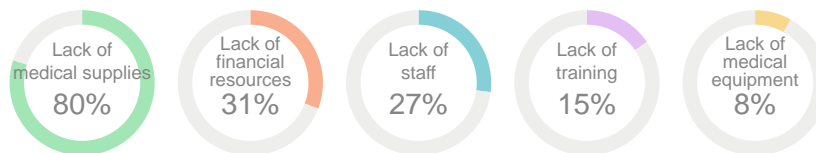
SHORT-ACTING REVERSIBLE CONTRACEPTION (SARC)

Overall service availability

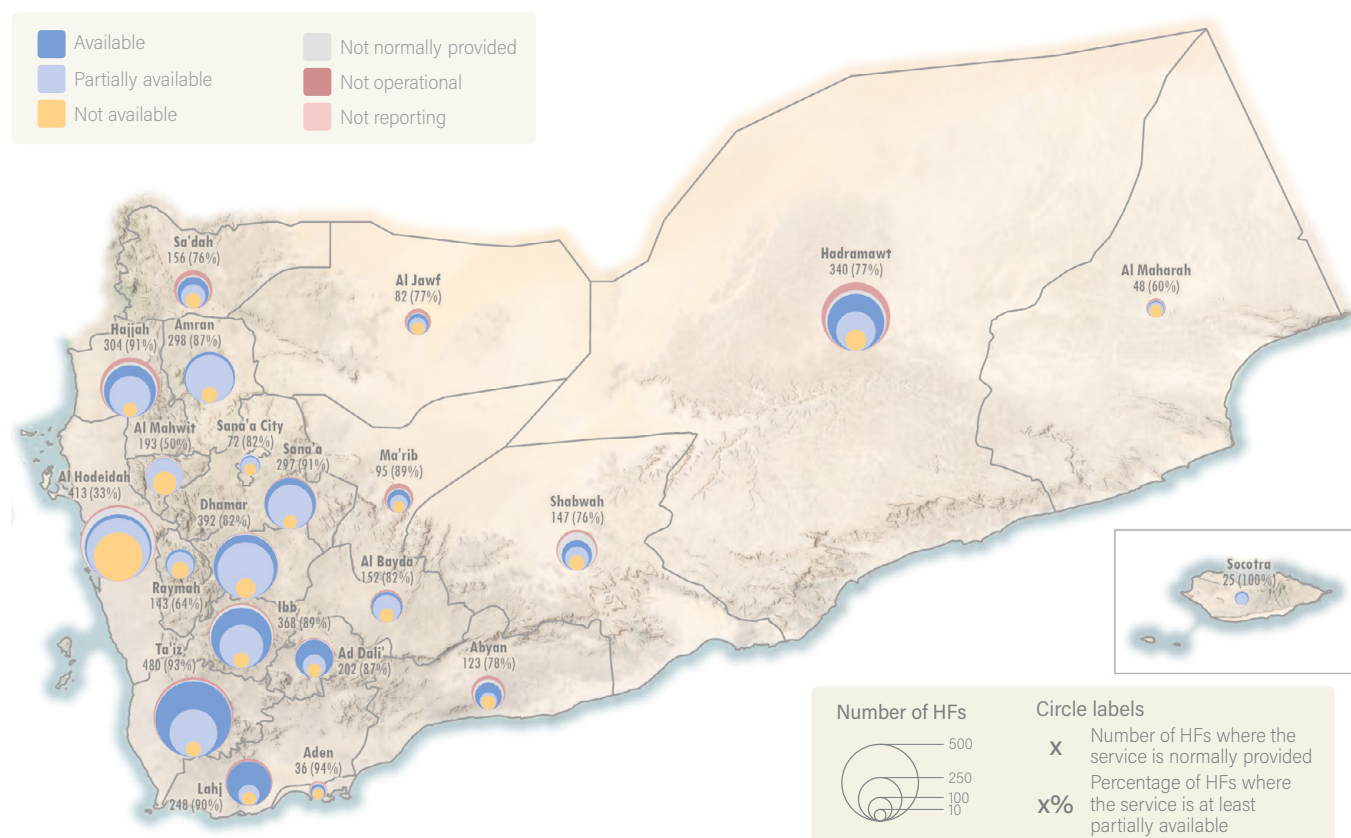
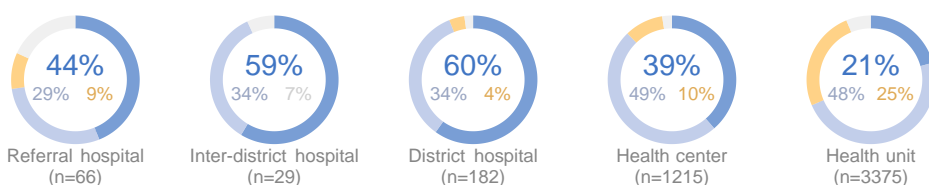


Main barriers impeding service delivery

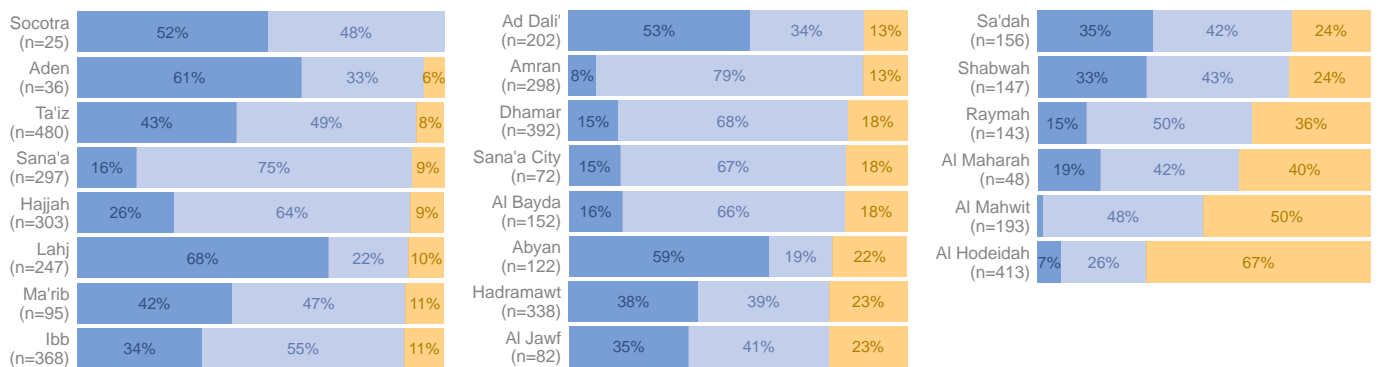
n = 3286



Service availability by type of HF



Service availability by governorate*



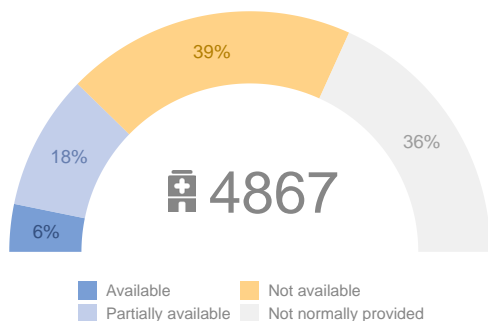
Main barriers impeding service delivery by governorate



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

LONG-ACTING REVERSIBLE CONTRACEPTION (LARC)

Overall service availability

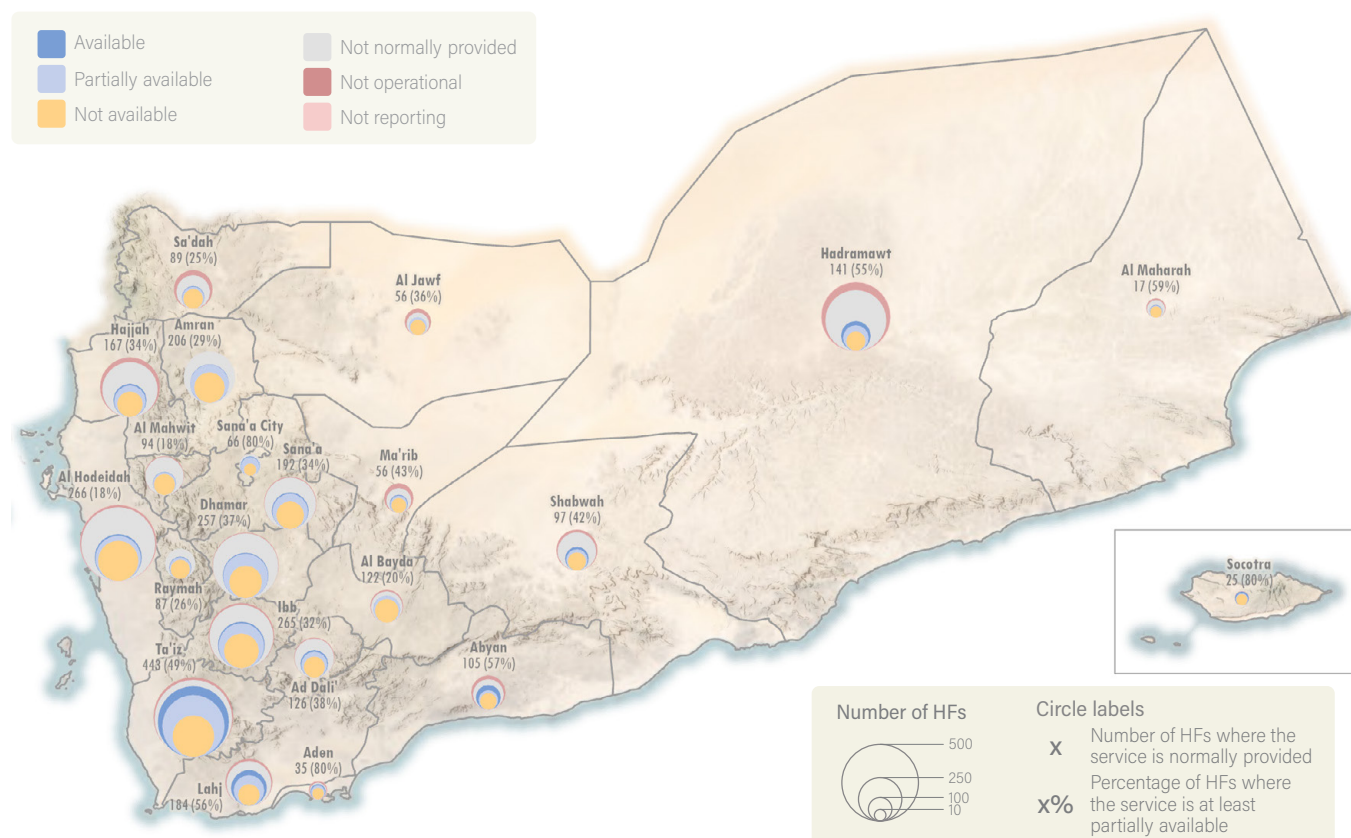
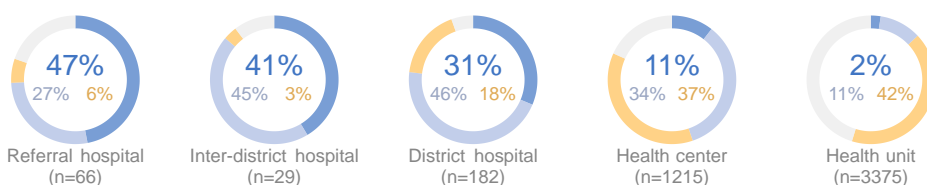


Main barriers impeding service delivery

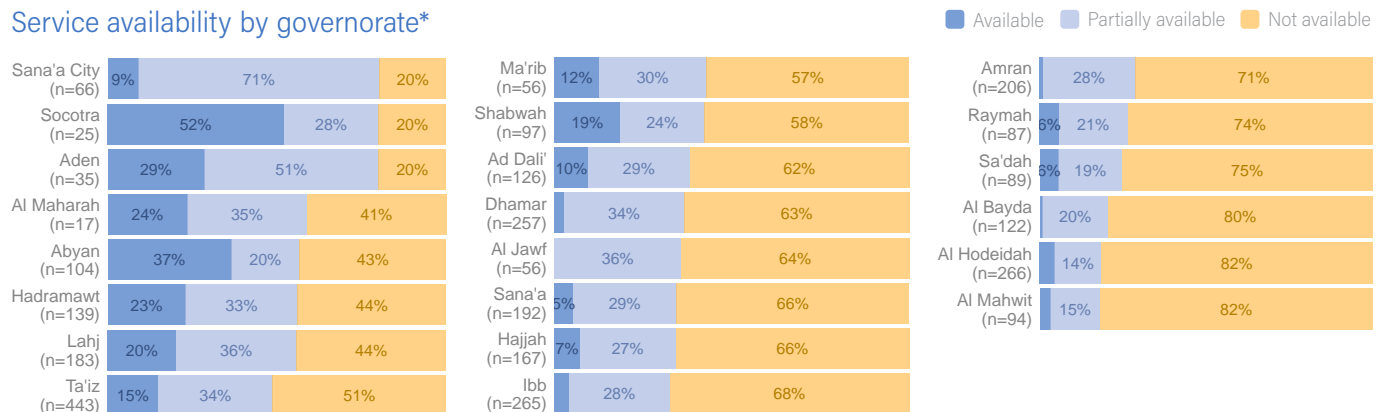
n = 2781



Service availability by type of HF



Service availability by governorate*



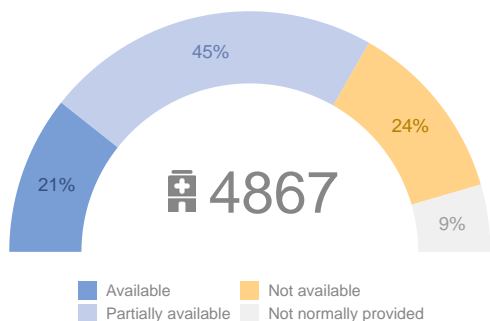
Main barriers impeding service delivery by governorate



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

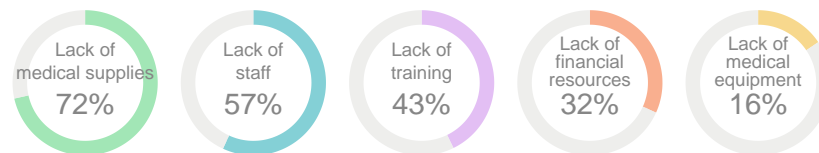
ANTENATAL CARE

Overall service availability

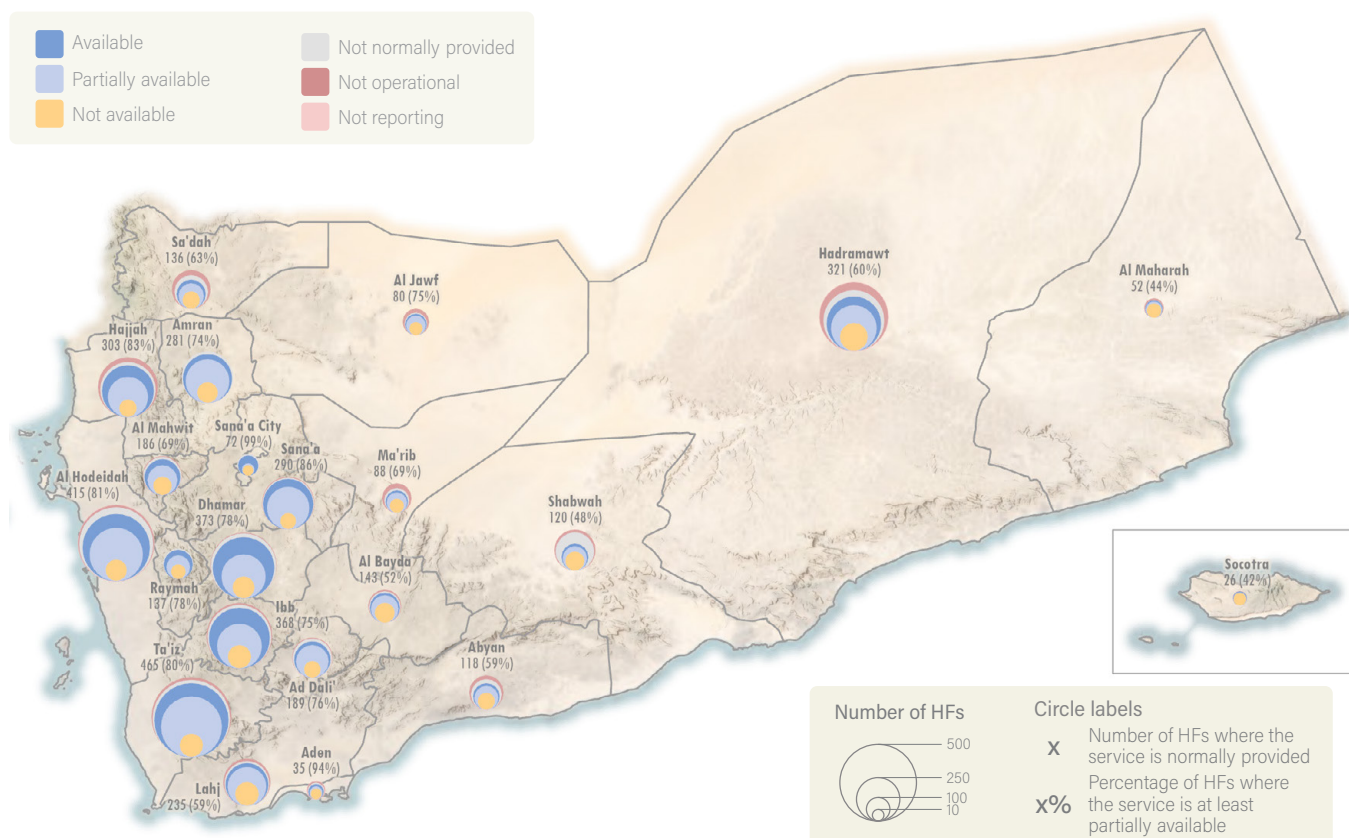
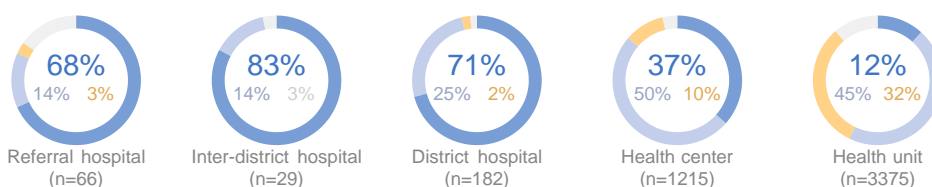


Main barriers impeding service delivery

n = 3390

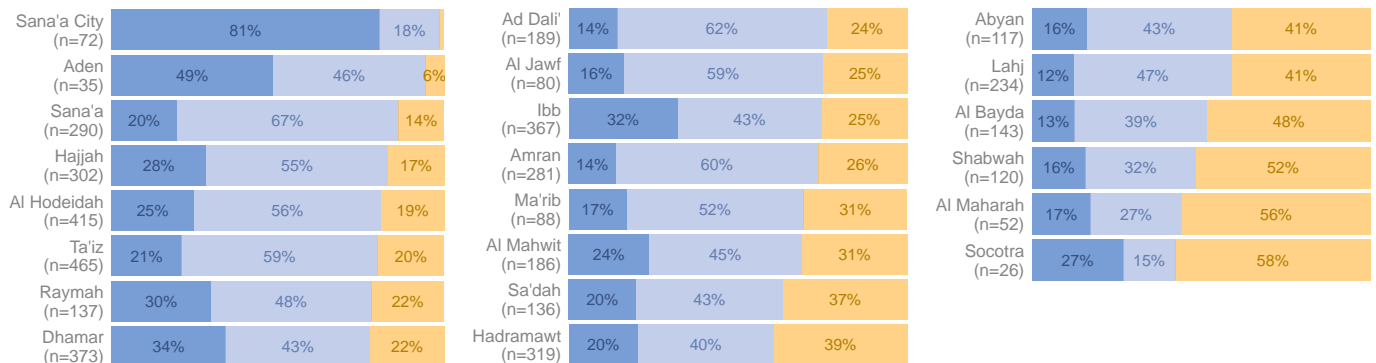


Service availability by type of HF



Service availability by governorate*

Available Partially available Not available



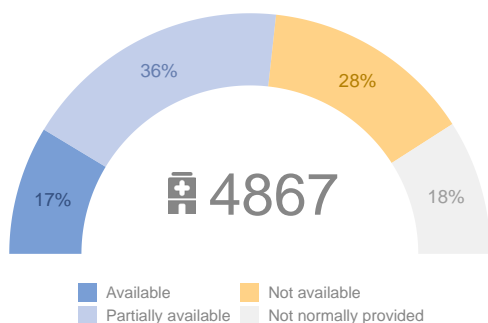
Main barriers impeding service delivery by governorate



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

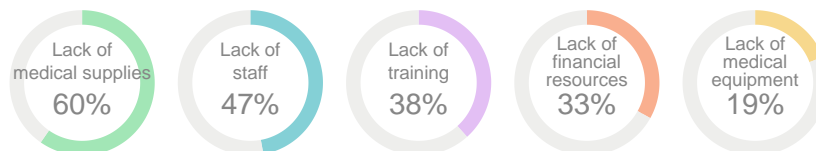
CLEAN HOME DELIVERIES

Overall service availability

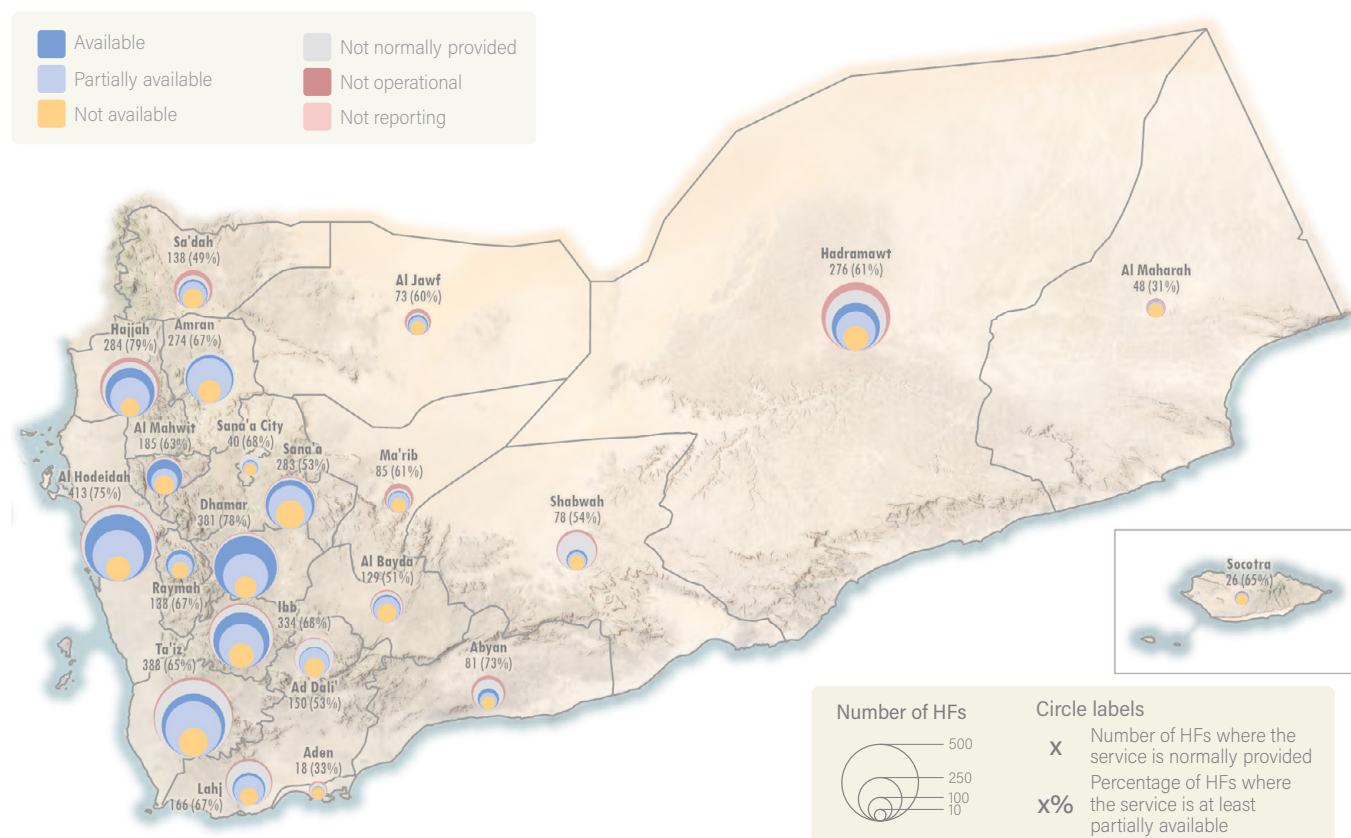
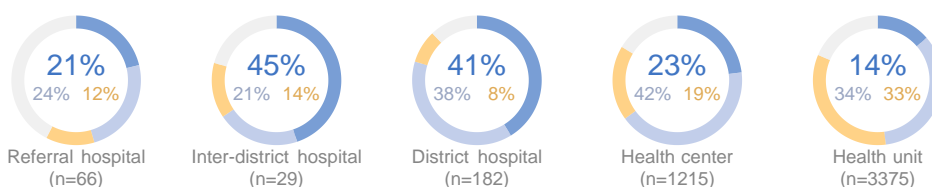


Main barriers impeding service delivery

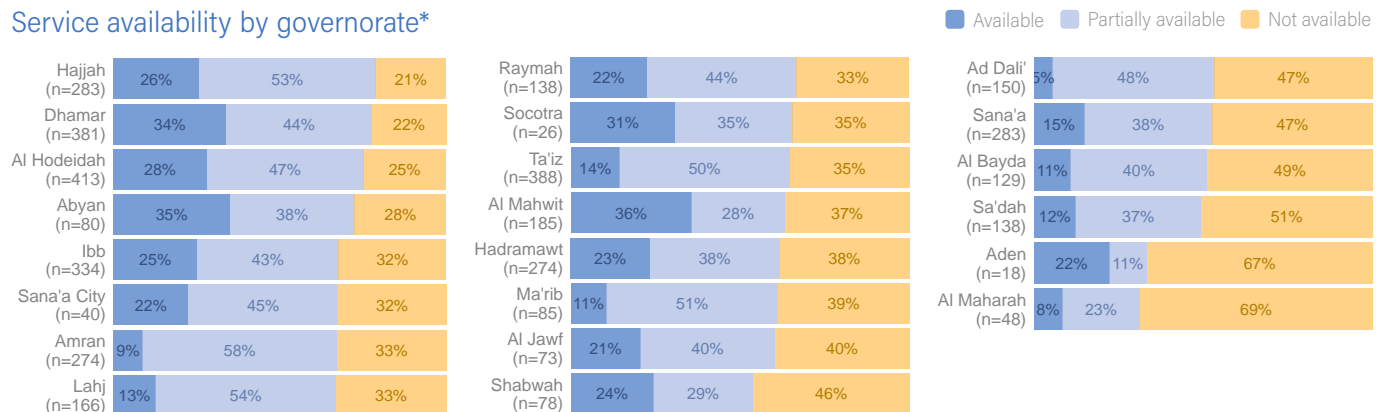
n = 3143



Service availability by type of HF



Service availability by governorate*



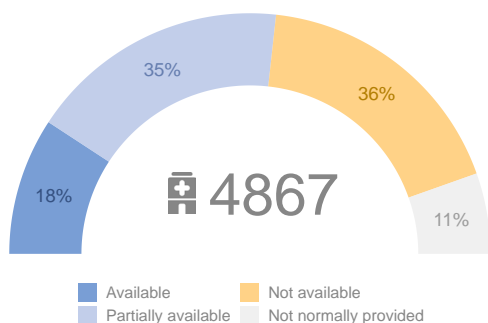
Main barriers impeding service delivery by governorate



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

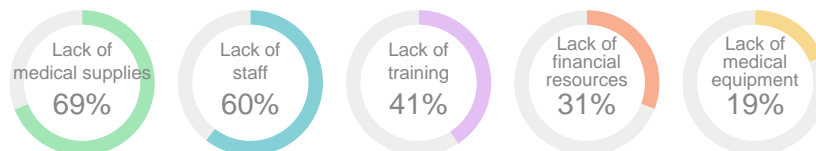
SKILLED CARE DURING CHILDBIRTH

Overall service availability

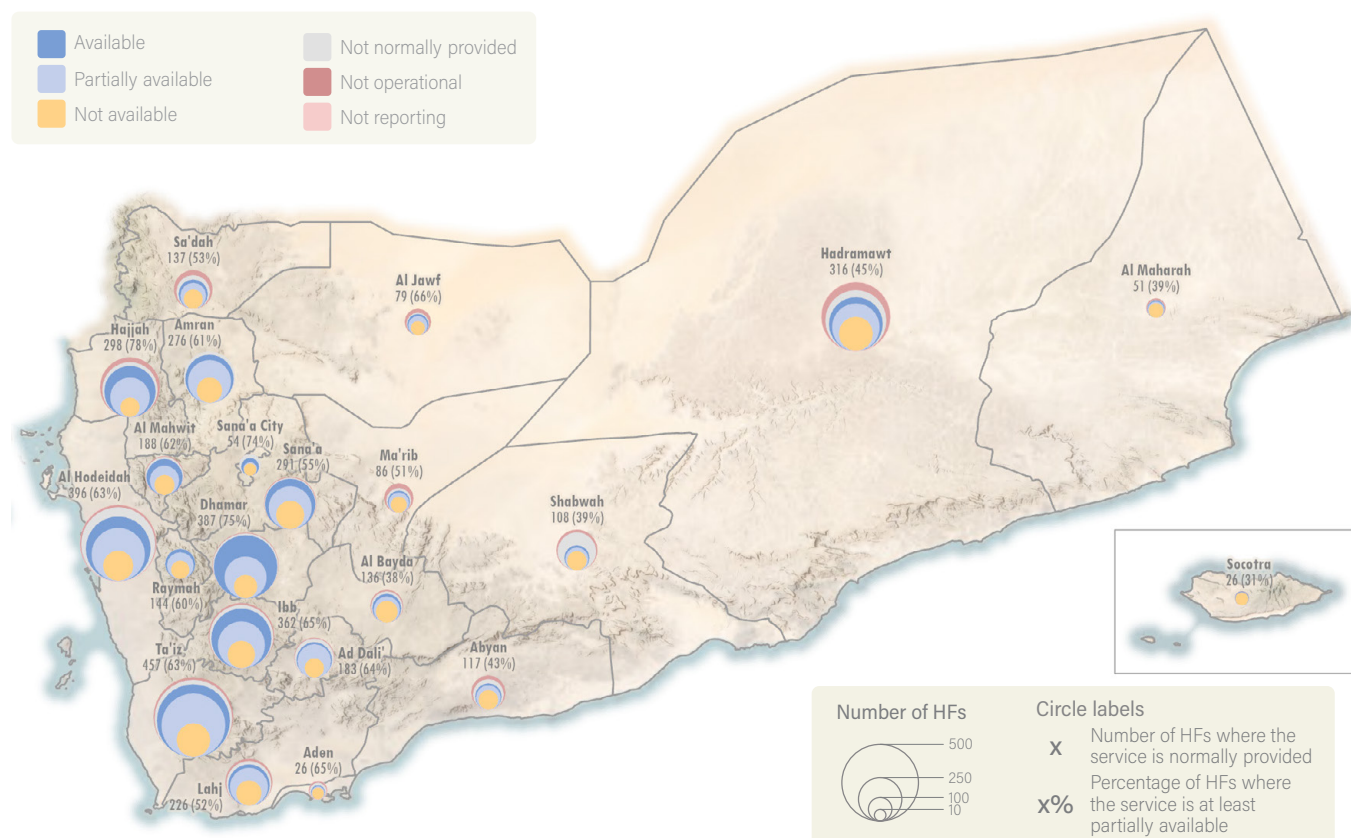
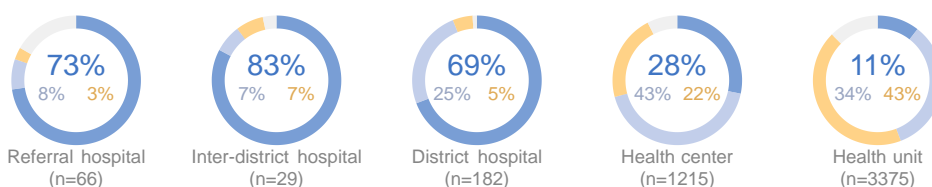


Main barriers impeding service delivery

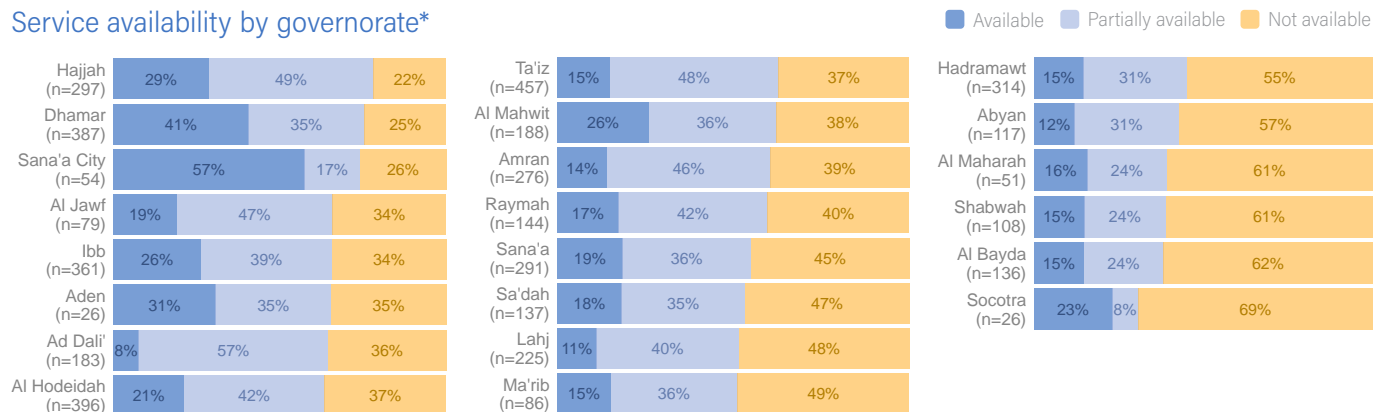
n = 3442



Service availability by type of HF



Service availability by governorate*



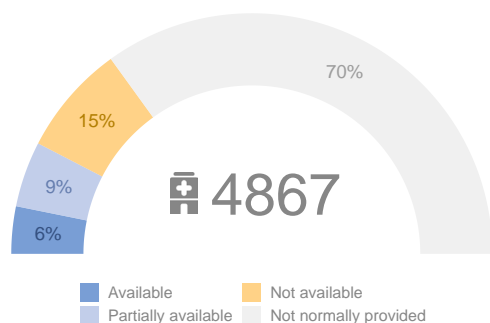
Main barriers impeding service delivery by governorate



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

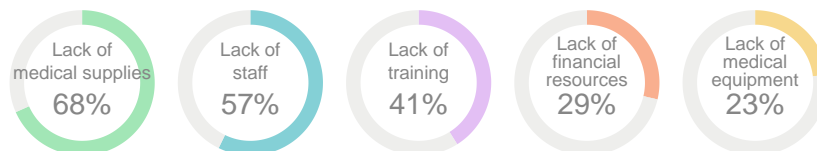
BASIC EMERGENCY OBSTETRIC CARE (BEmOC)

Overall service availability

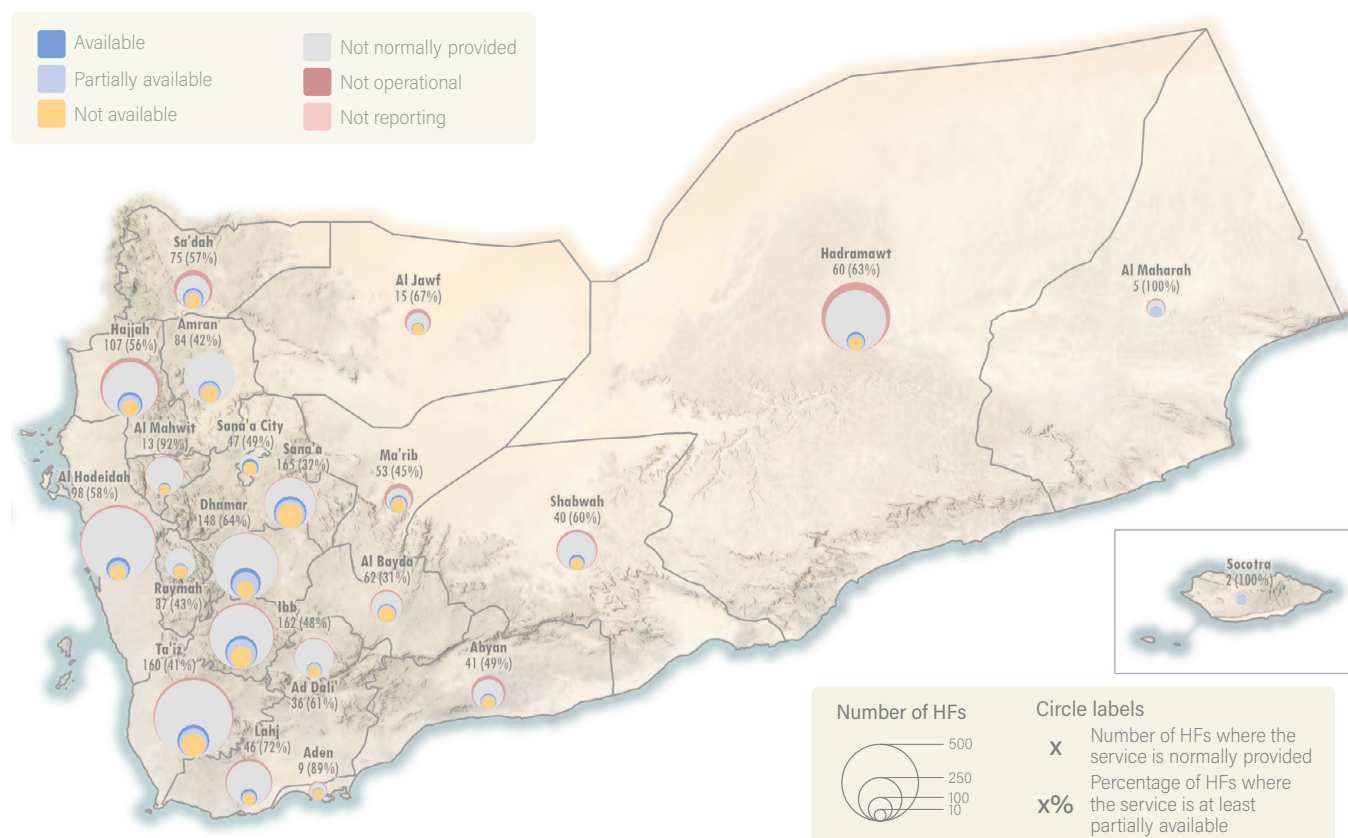
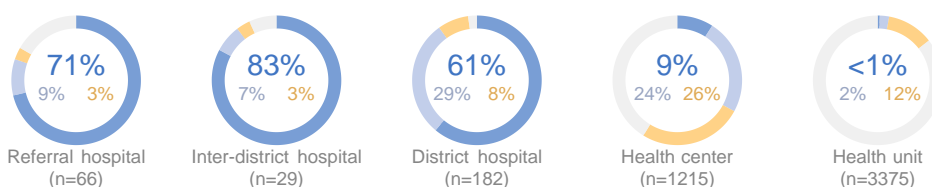


Main barriers impeding service delivery

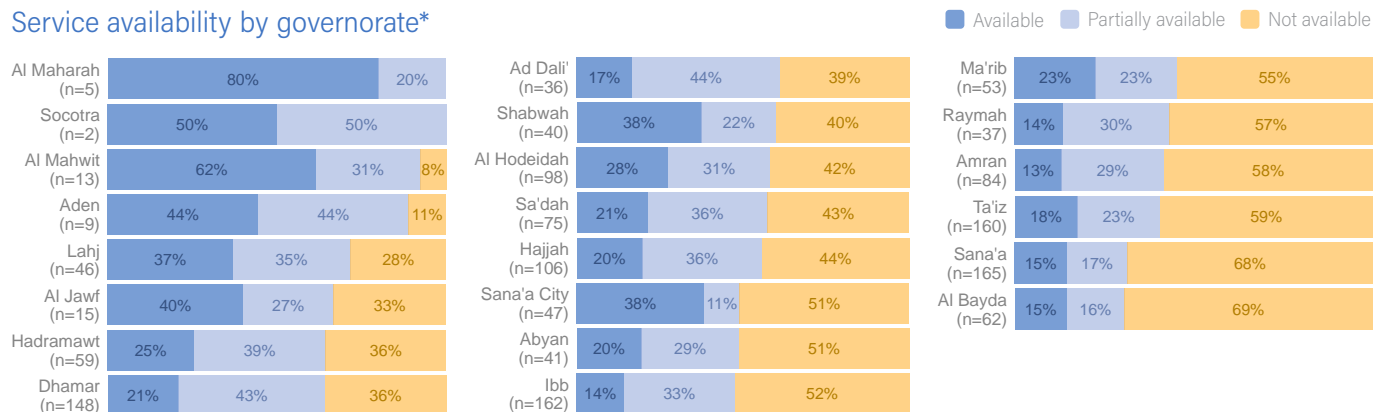
n = 1154



Service availability by type of HF



Service availability by governorate*



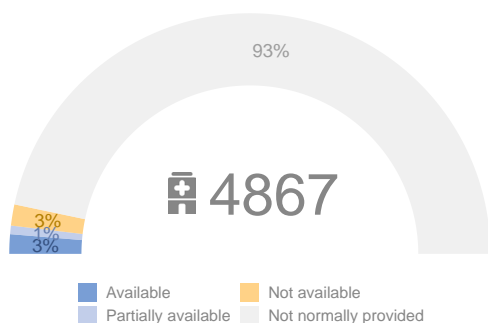
Main barriers impeding service delivery by governorate



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

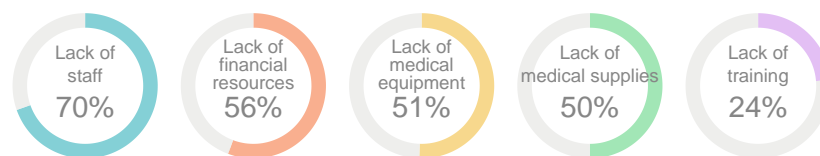
COMPREHENSIVE EMERGENCY OBSTETRIC CARE (CEMOC)

Overall service availability

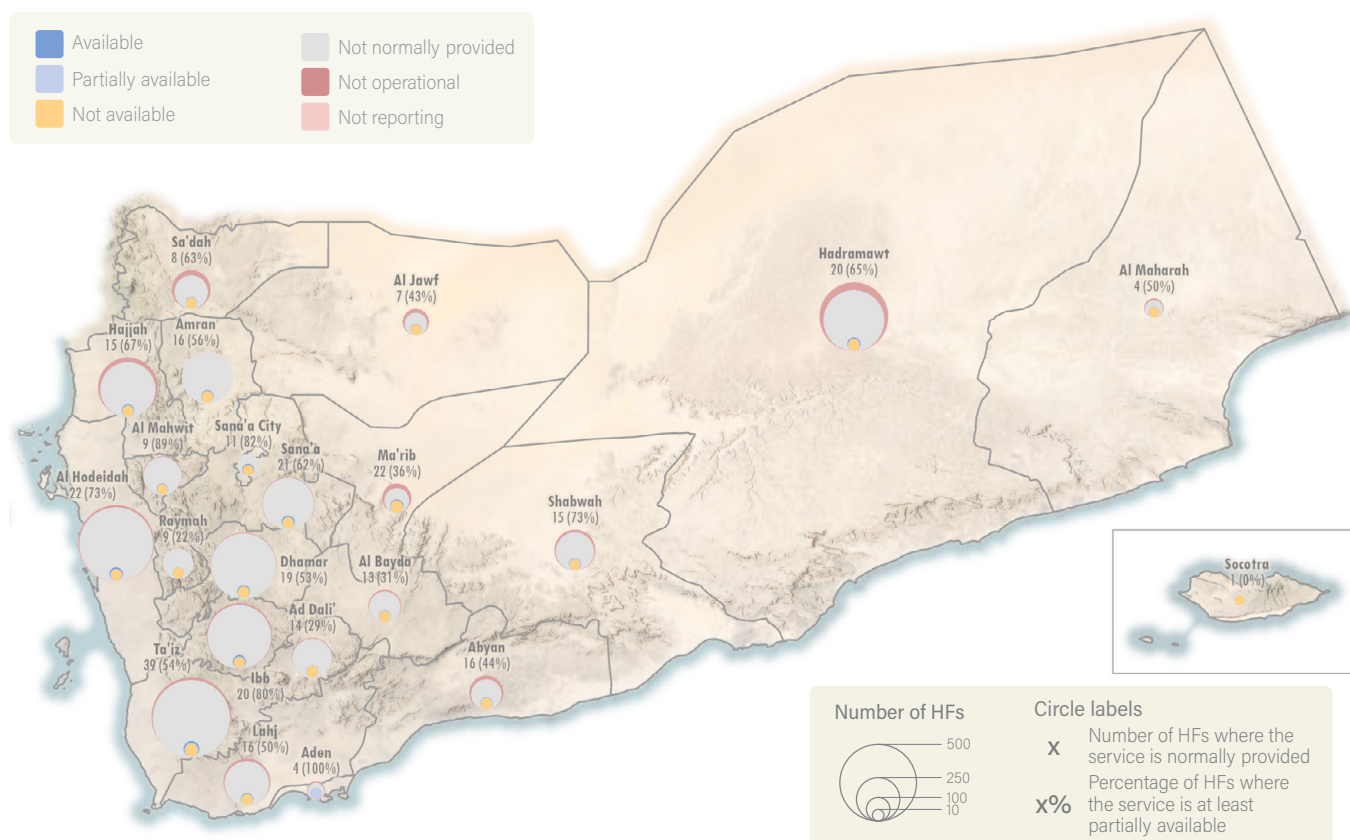
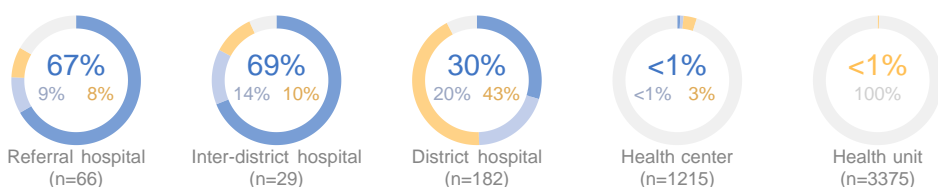


Main barriers impeding service delivery

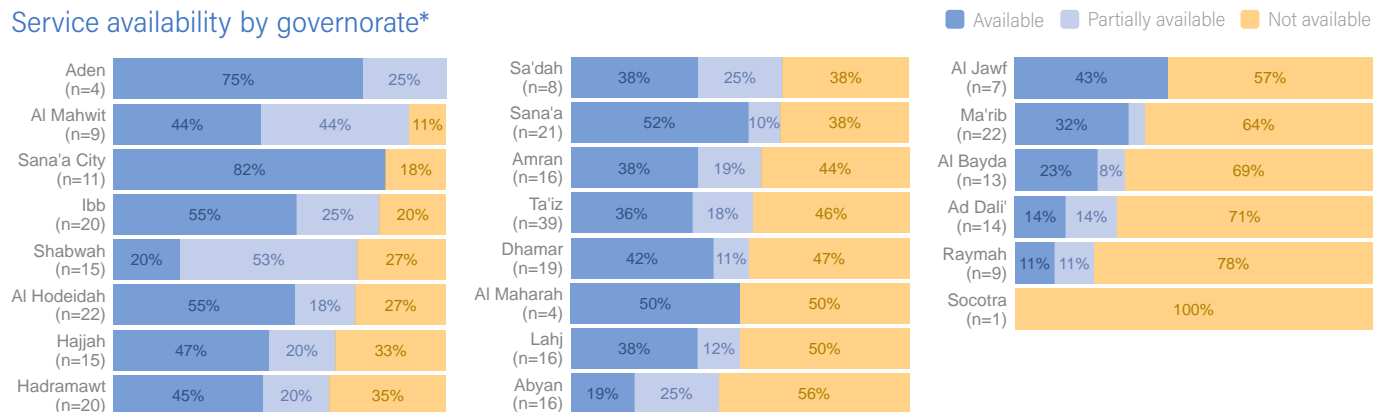
n = 194



Service availability by type of HF



Service availability by governorate*



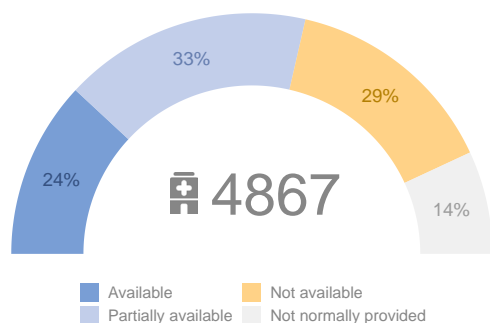
Main barriers impeding service delivery by governorate



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

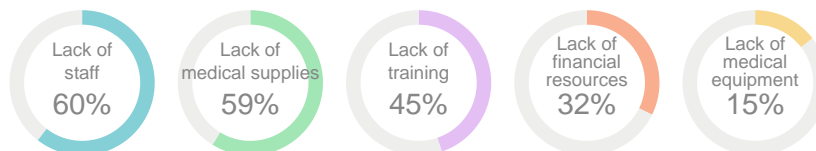
POST-PARTUM CARE

Overall service availability

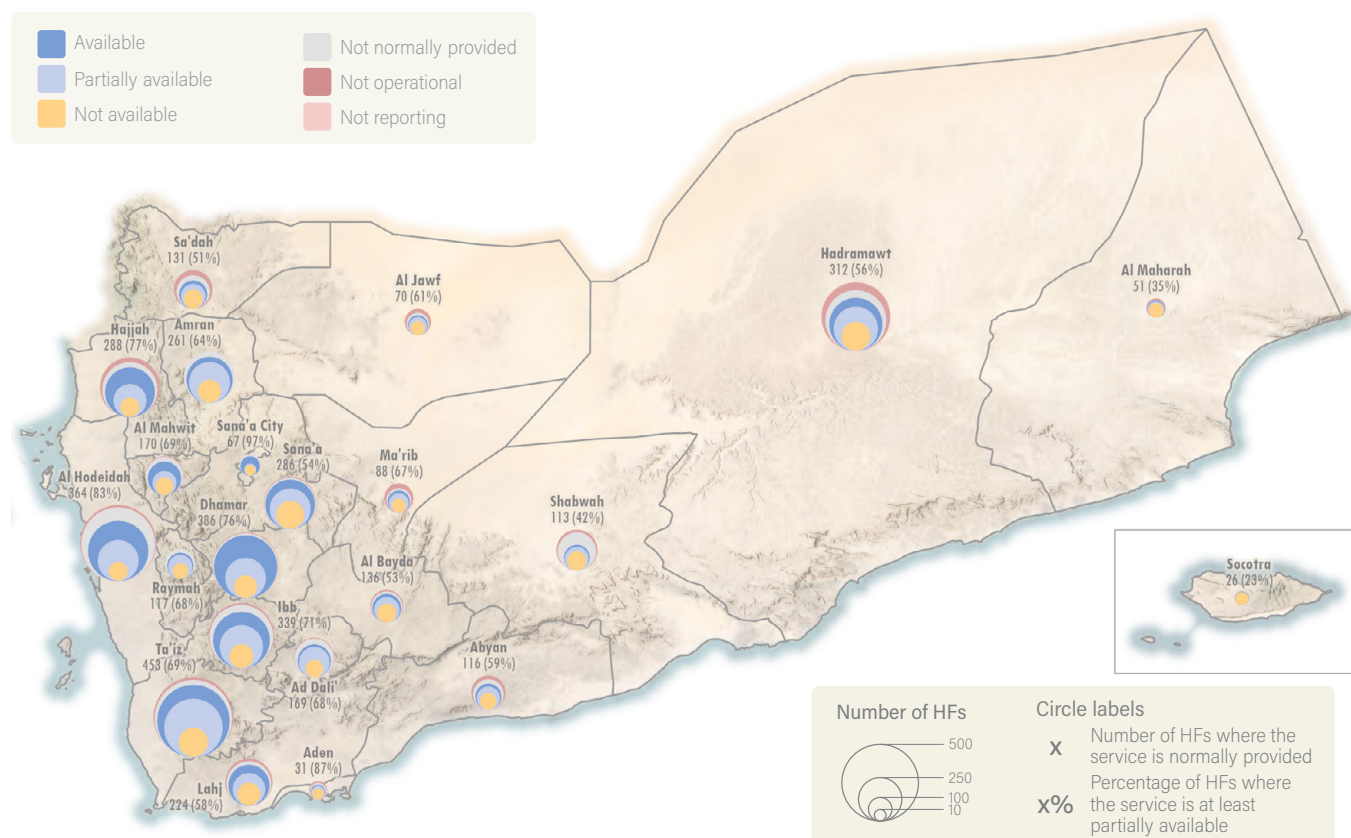
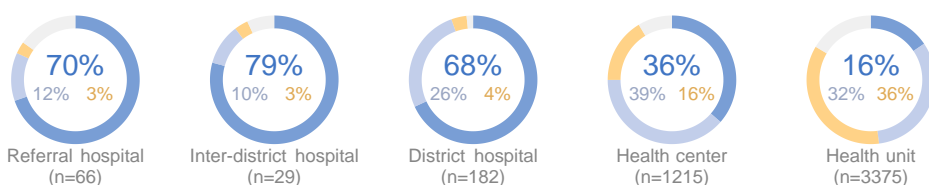


Main barriers impeding service delivery

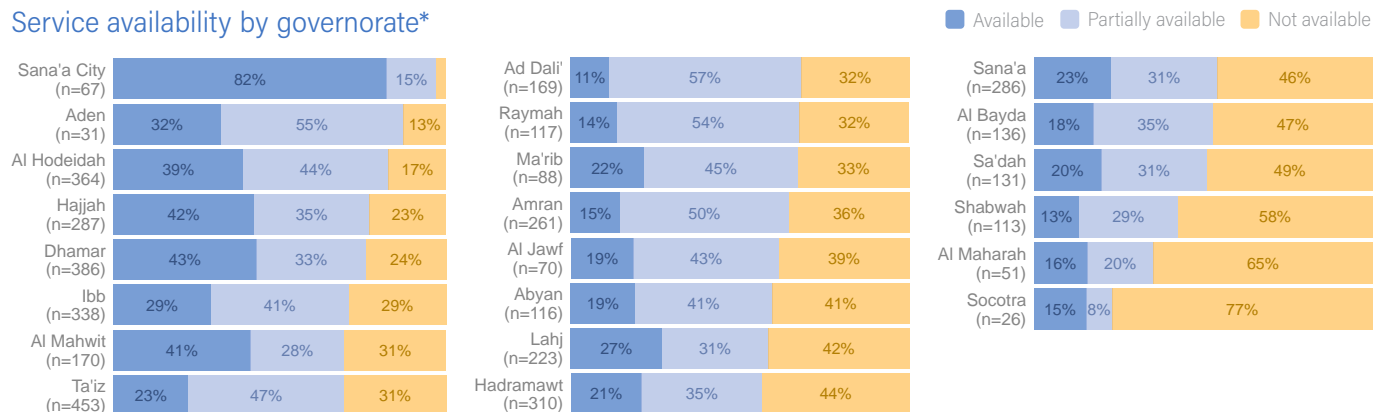
n = 3034



Service availability by type of HF



Service availability by governorate*



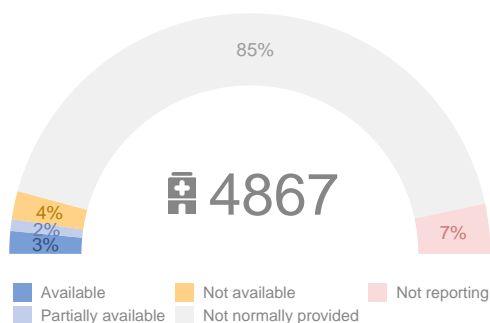
Main barriers impeding service delivery by governorate



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

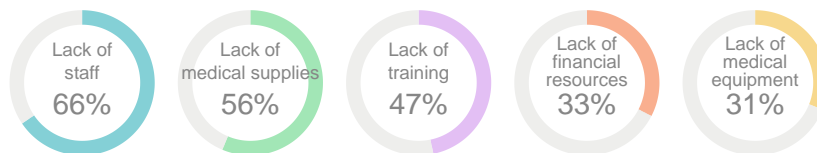
COMPREHENSIVE ABORTION CARE

Overall service availability

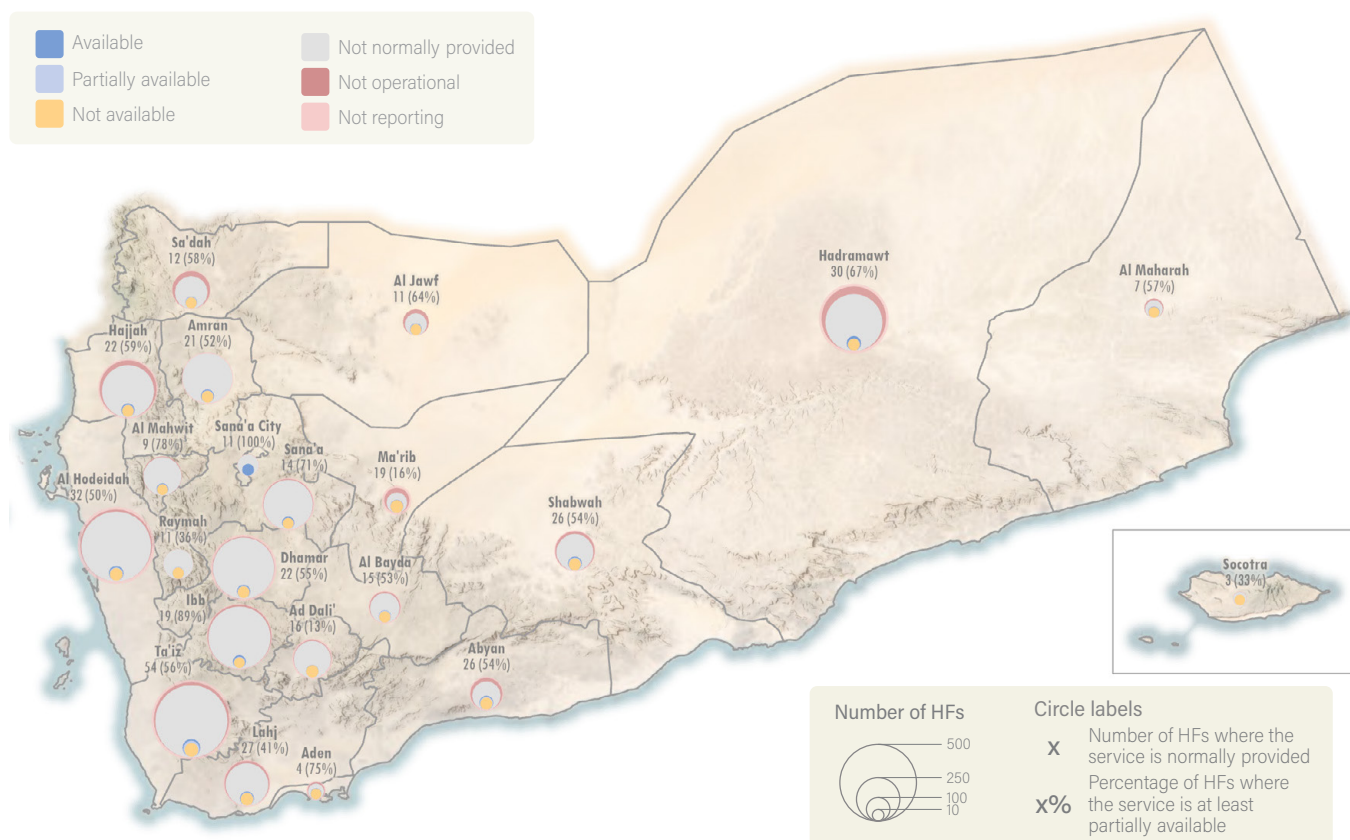
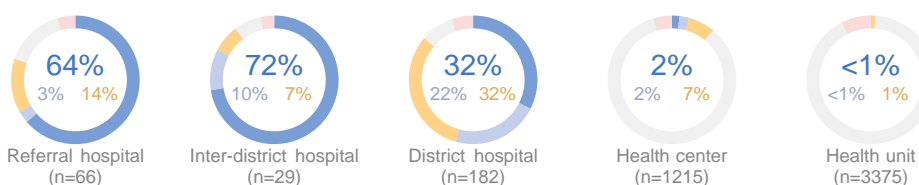


Main barriers impeding service delivery

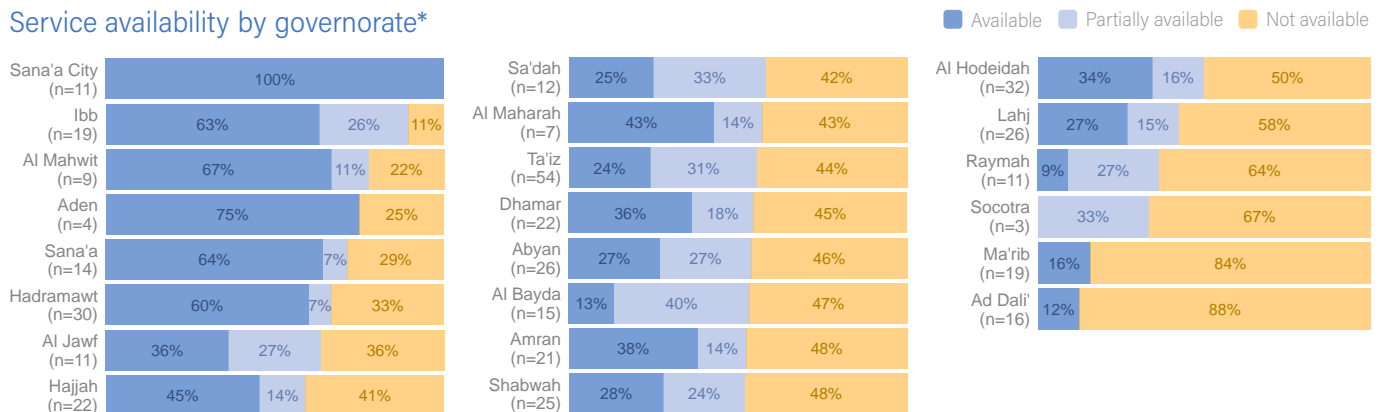
n = 261



Service availability by type of HF



Service availability by governorate*



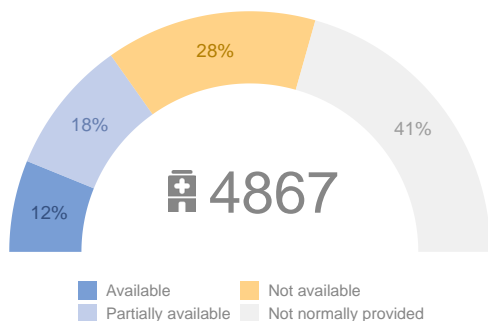
Main barriers impeding service delivery by governorate



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

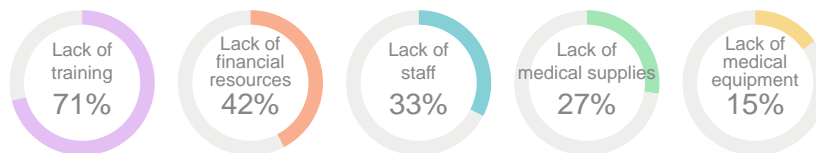
IEC ON STI/HIV

Overall service availability

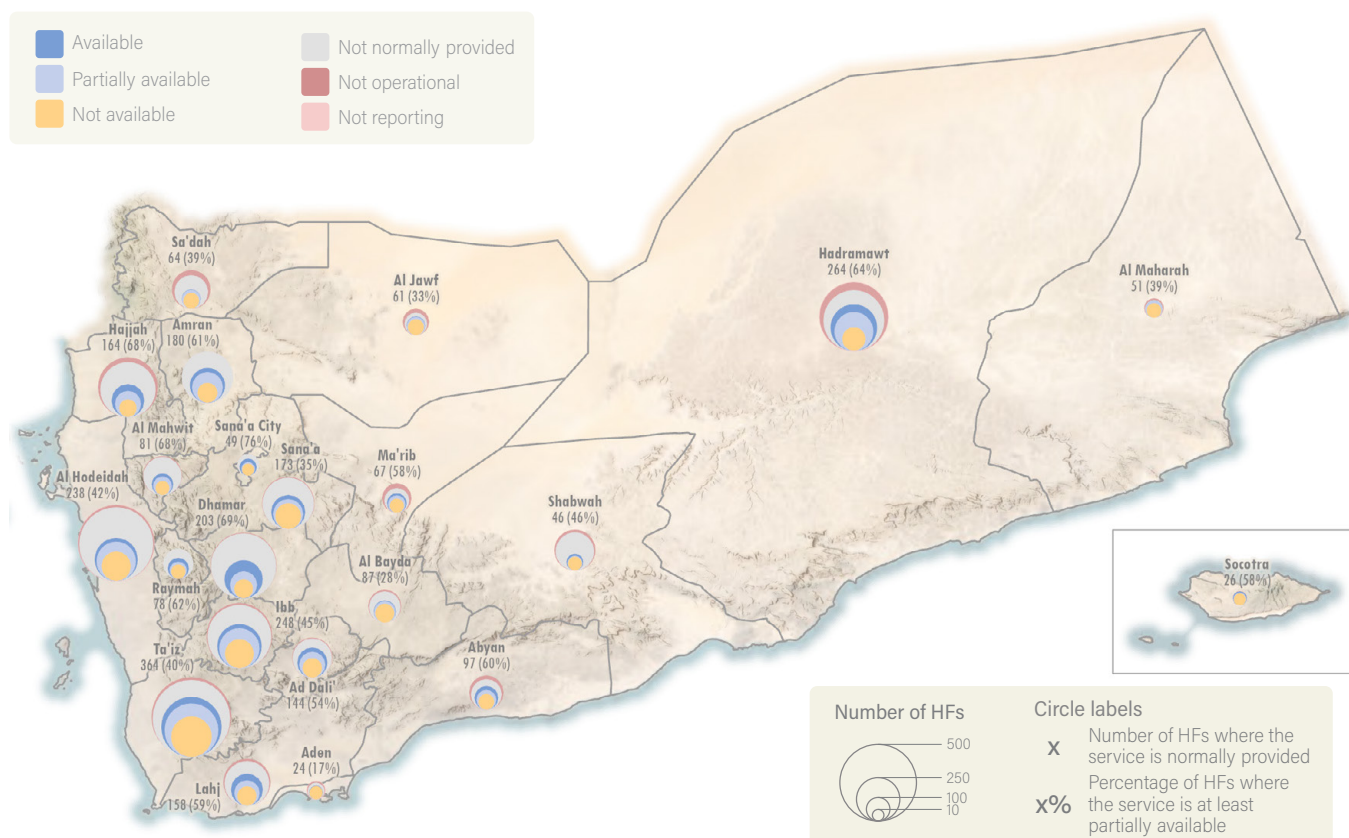
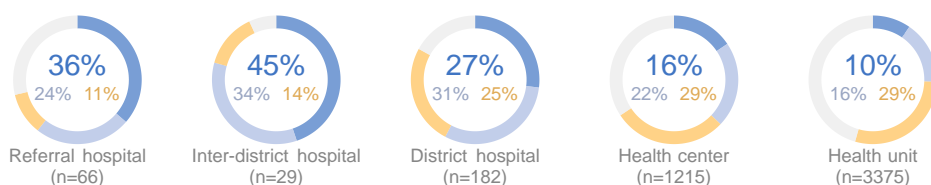


Main barriers impeding service delivery

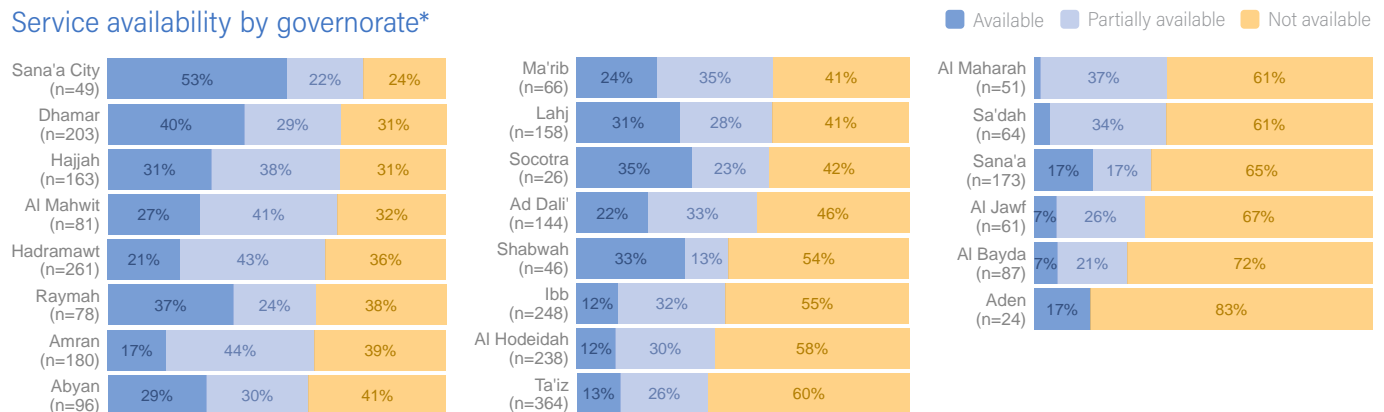
n = 2262



Service availability by type of HF



Service availability by governorate*



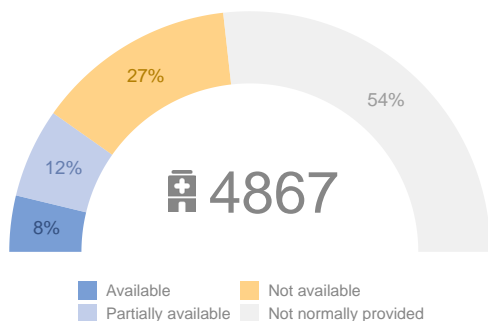
Main barriers impeding service delivery by governorate



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

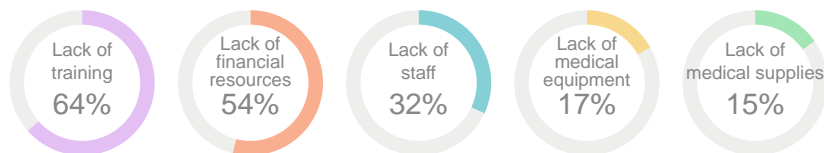
STI/HIV ADVOCACY

Overall service availability

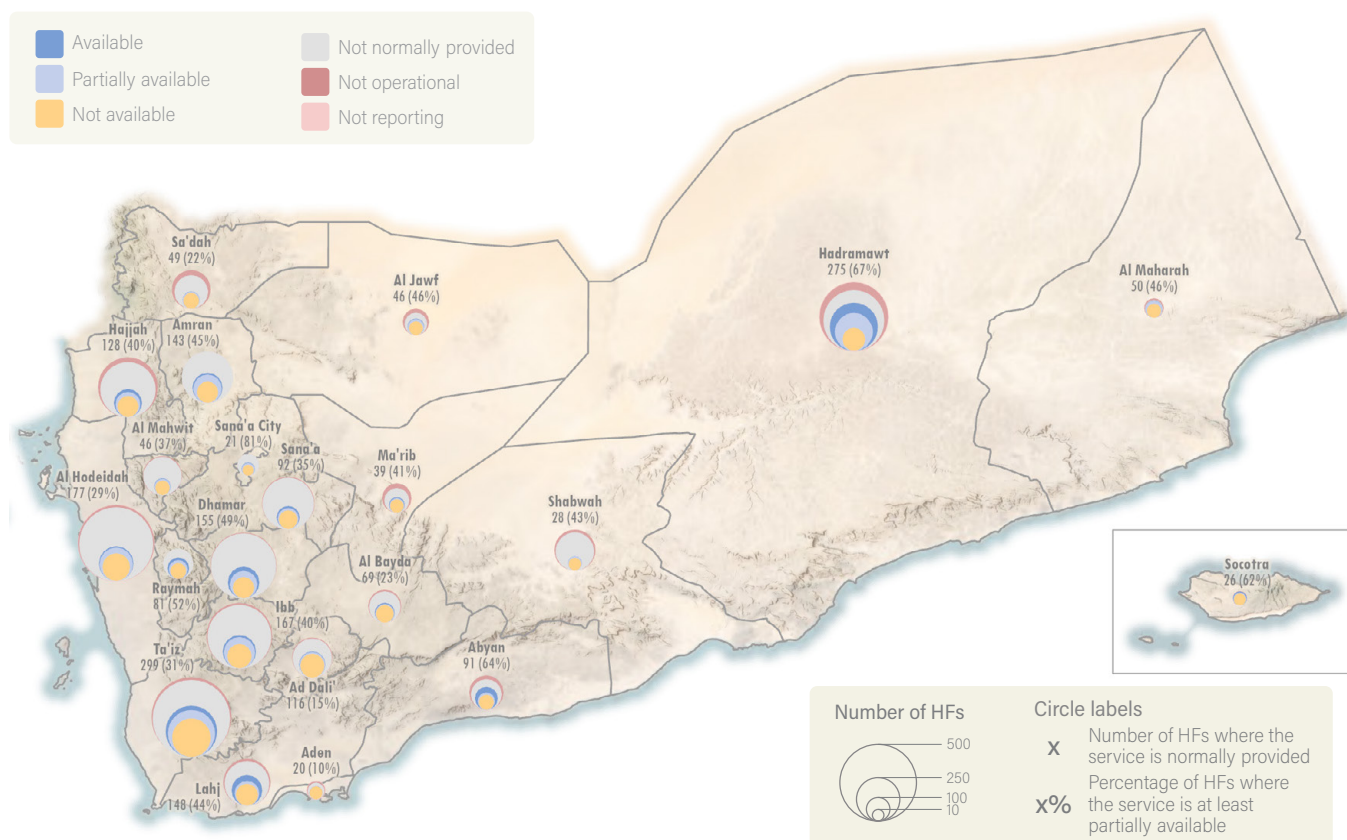
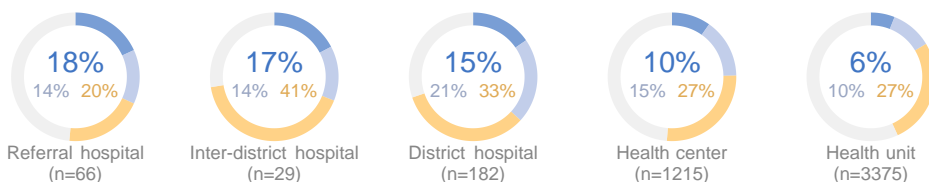


Main barriers impeding service delivery

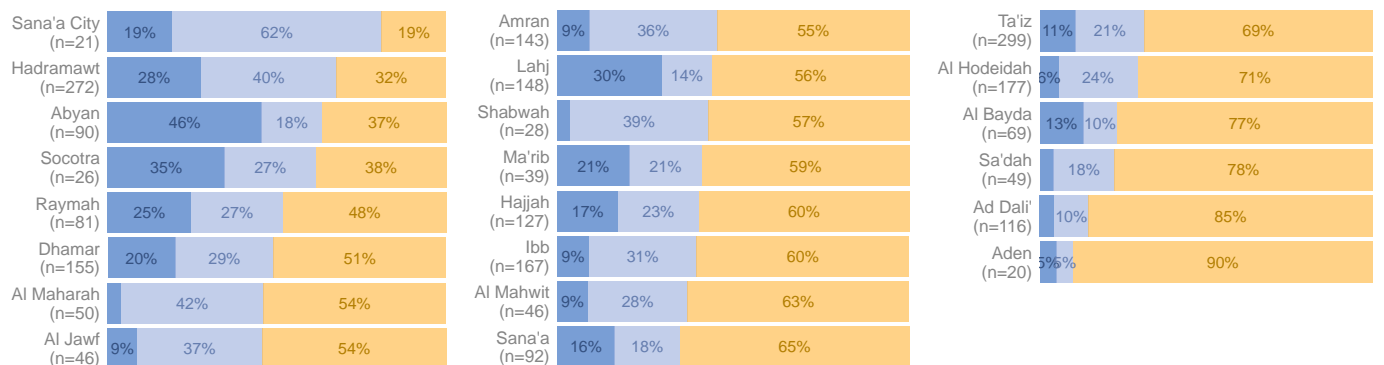
n = 1894



Service availability by type of HF



Service availability by governorate*



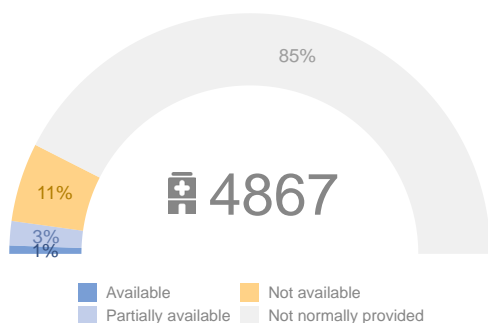
Main barriers impeding service delivery by governorate



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

SYNDROMIC MANAGEMENT OF STIs

Overall service availability

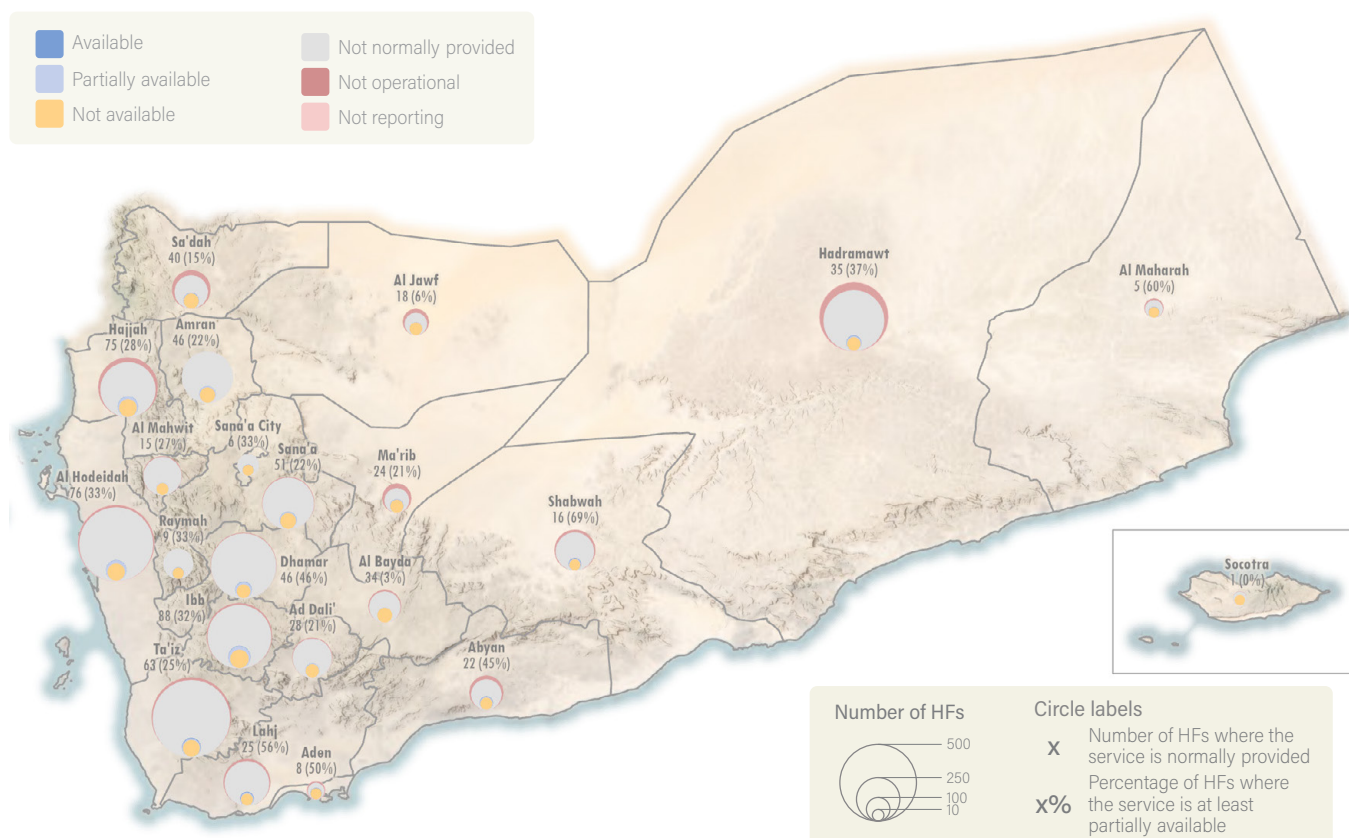
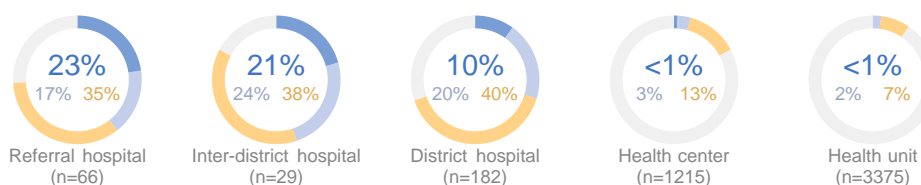


Main barriers impeding service delivery

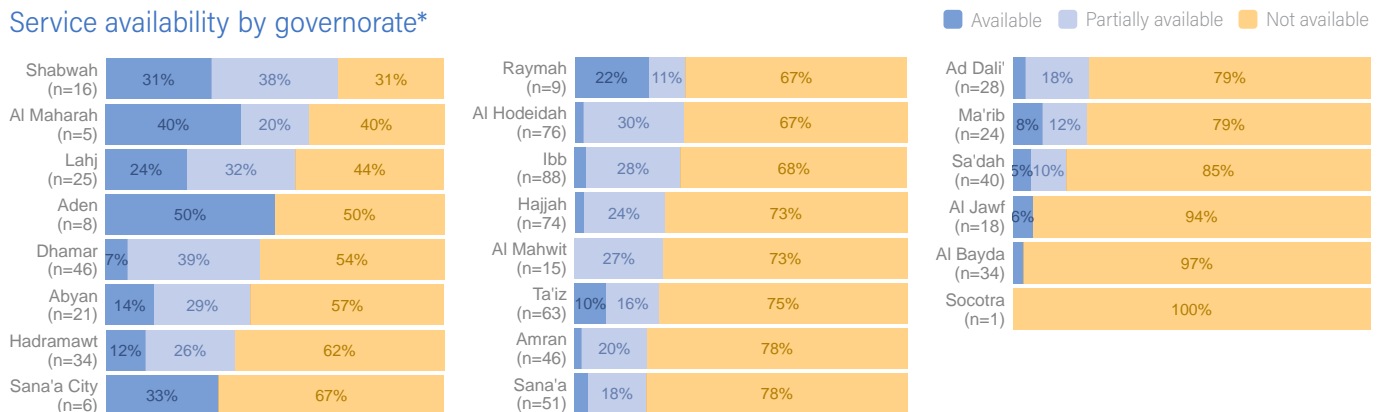
n = 674



Service availability by type of HF



Service availability by governorate*



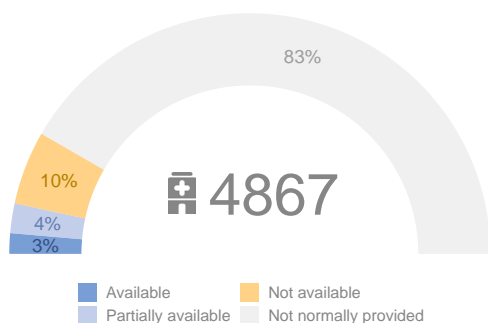
Main barriers impeding service delivery by governorate



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

HIV COUNSELLING AND TESTING

Overall service availability

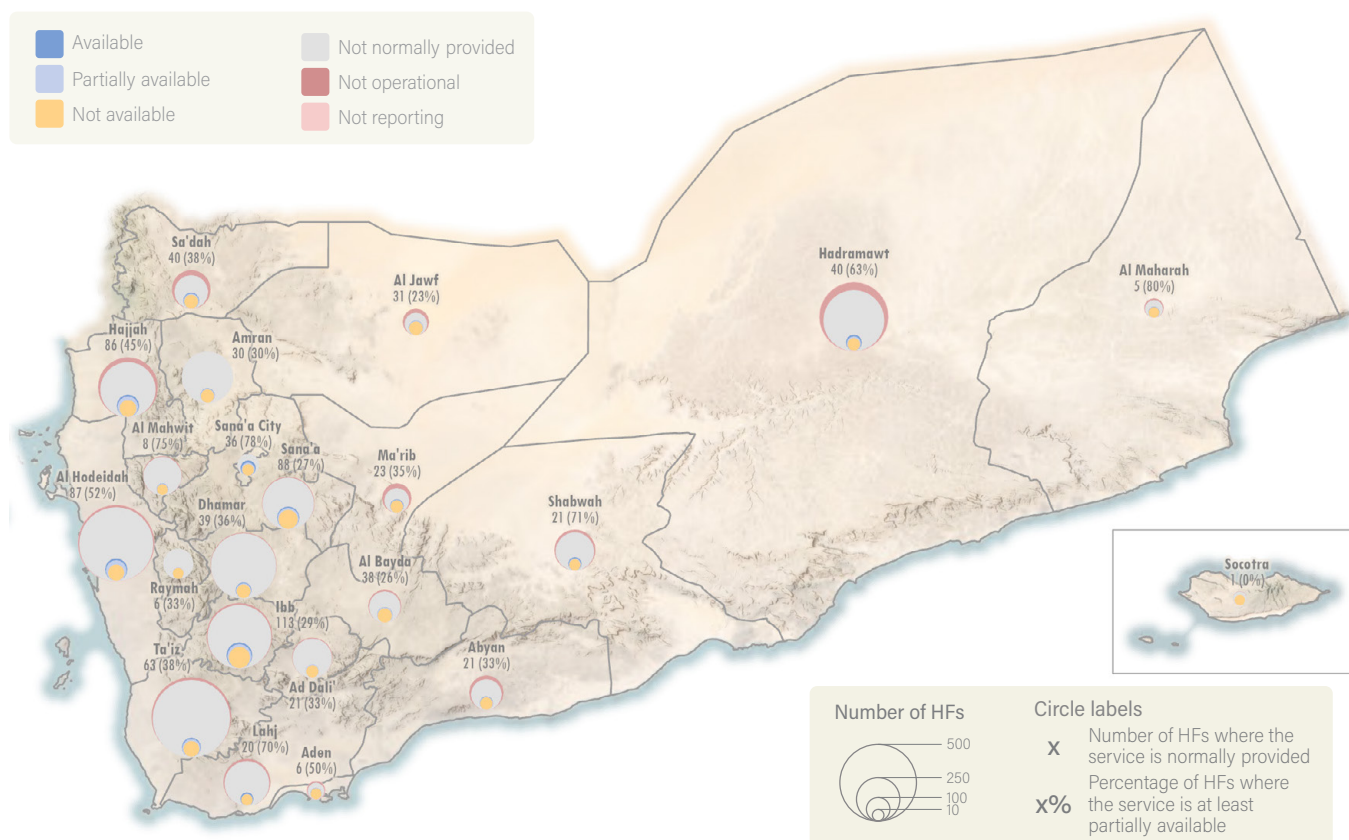
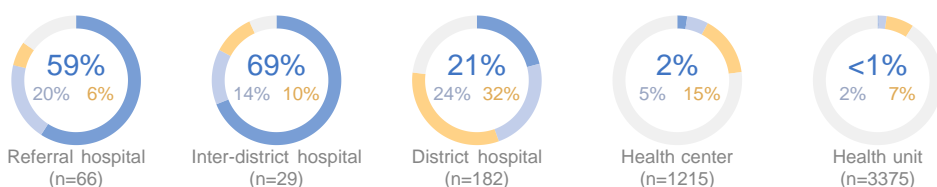


Main barriers impeding service delivery

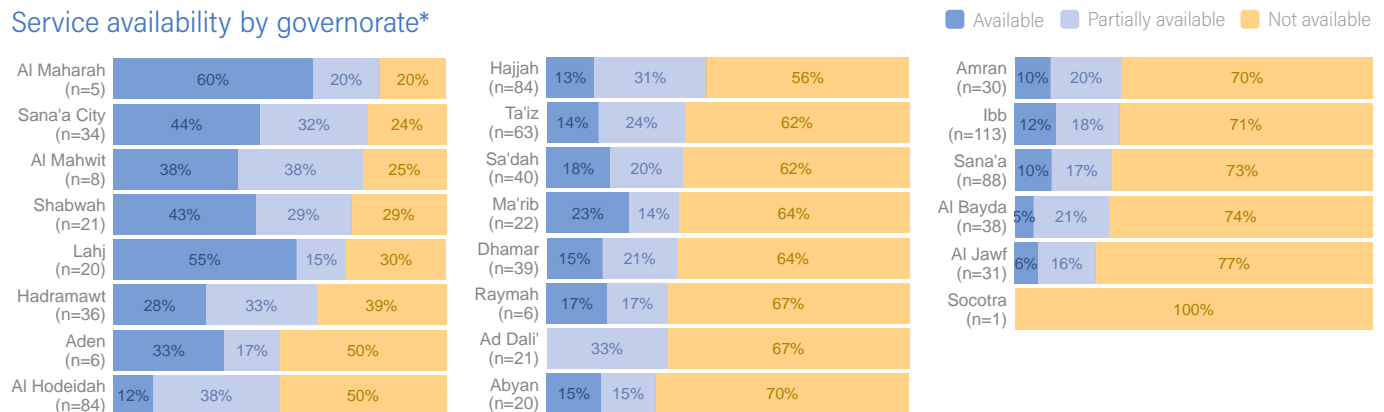
n = 676



Service availability by type of HF



Service availability by governorate*



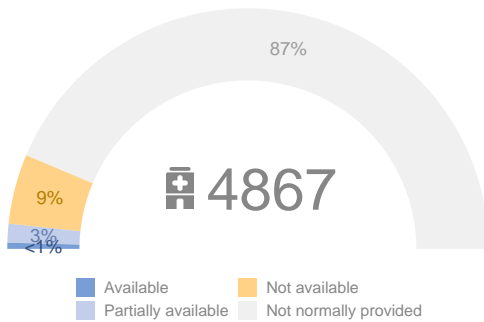
Main barriers impeding service delivery by governorate



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

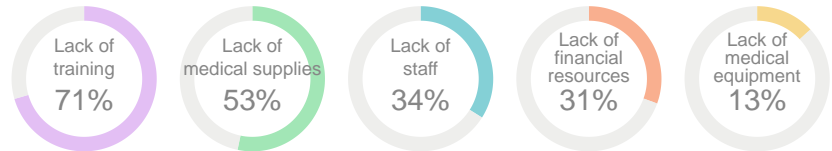
PREVENTION OF MOTHER-TO-CHILD TRANSMISSION (PMTCT) OF HIV

Overall service availability

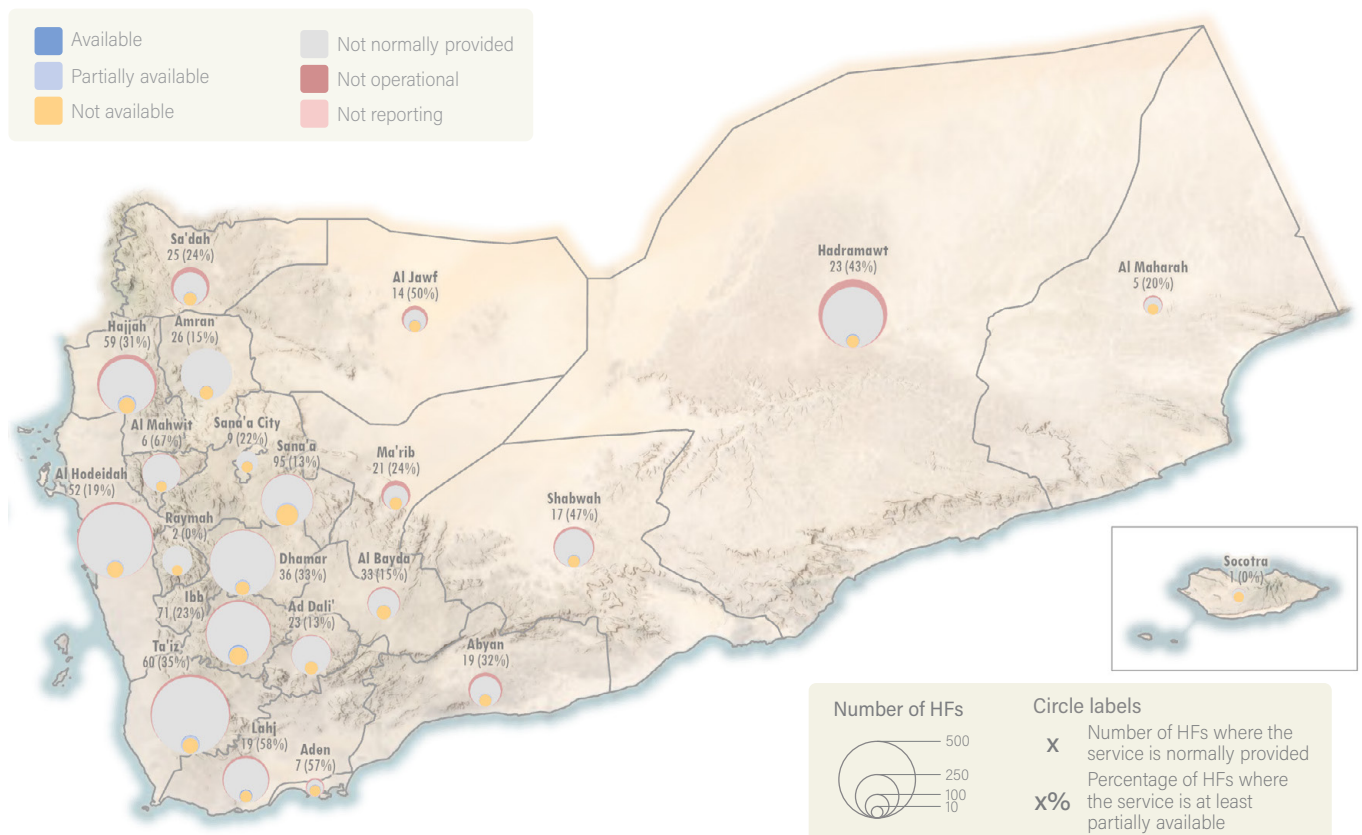
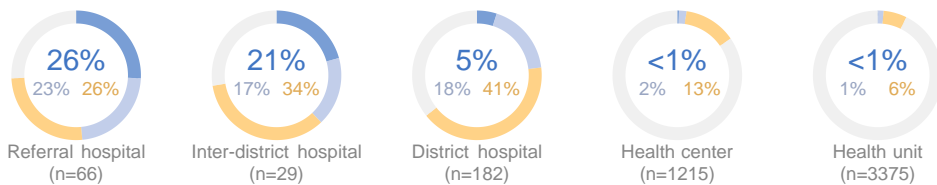


Main barriers impeding service delivery

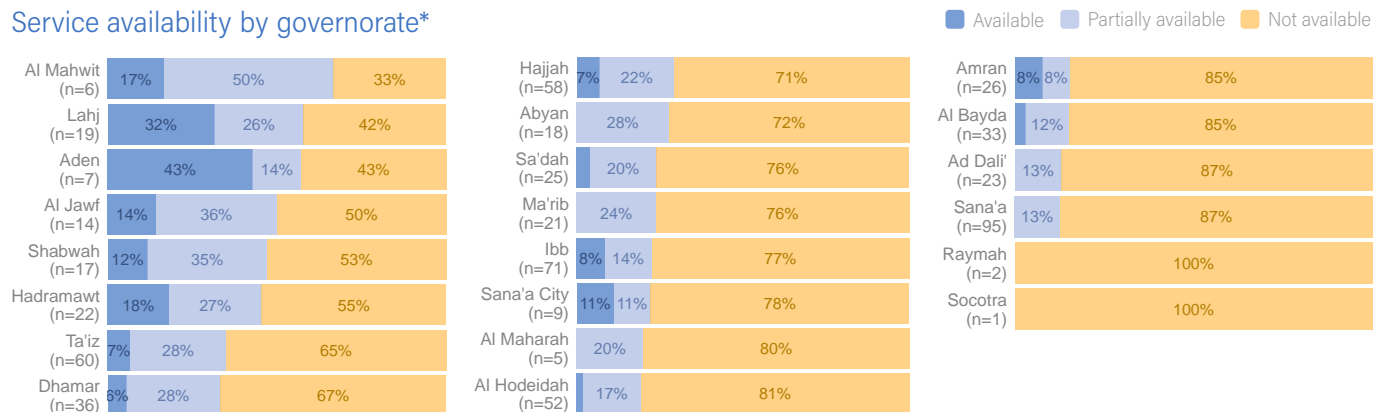
n = 580



Service availability by type of HF



Service availability by governorate*



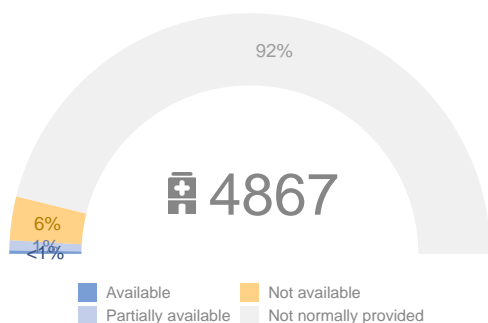
Main barriers impeding service delivery by governorate



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

ANTIRETROVIRAL TREATMENT

Overall service availability

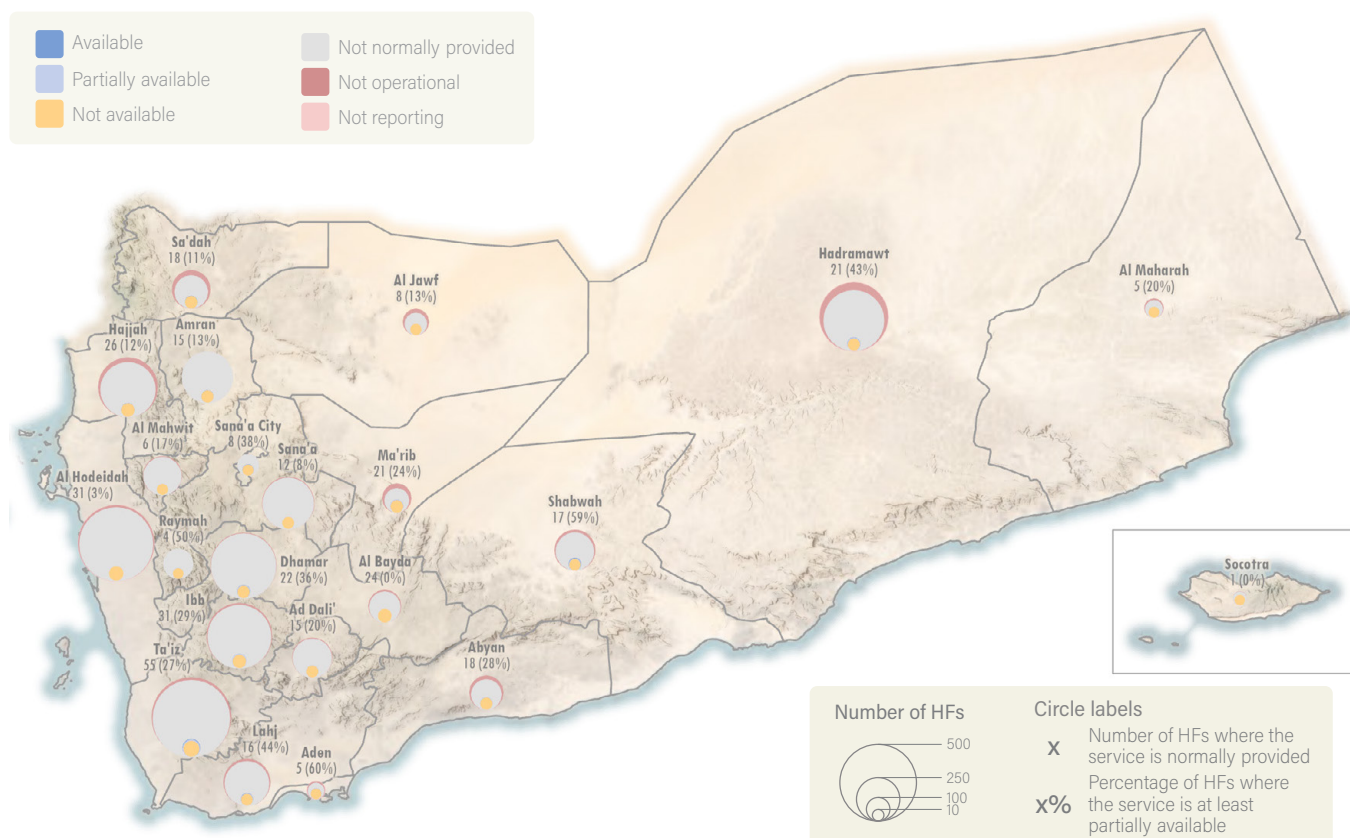
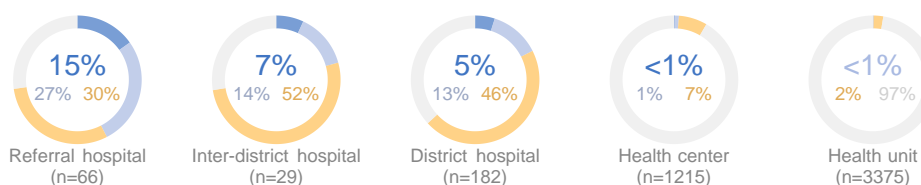


Main barriers impeding service delivery

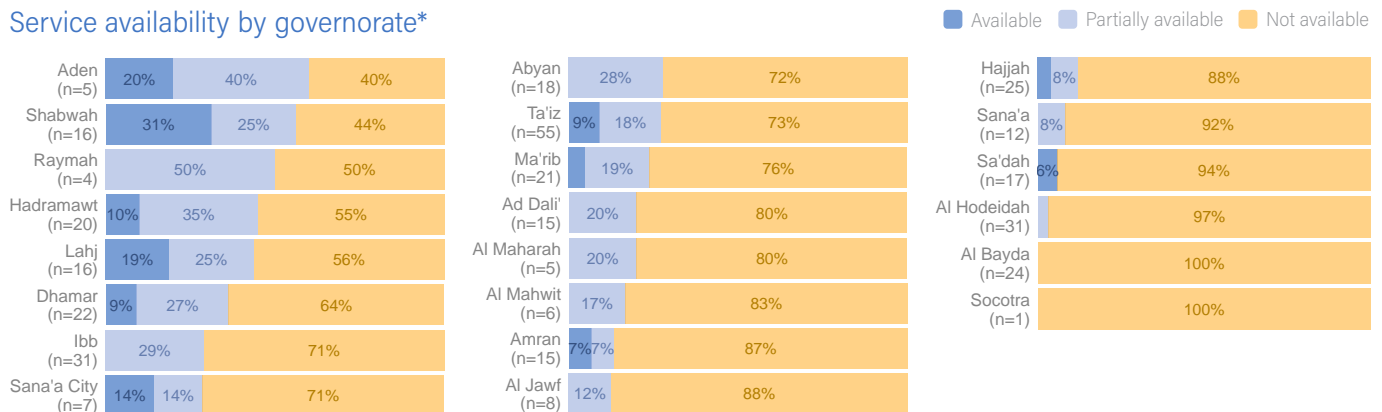
n = 351



Service availability by type of HF



Service availability by governorate*



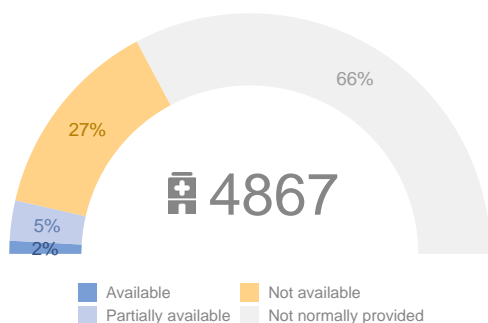
Main barriers impeding service delivery by governorate



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

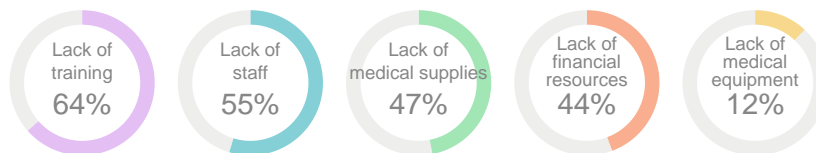
CLINICAL MANAGEMENT OF RAPE SURVIVORS

Overall service availability

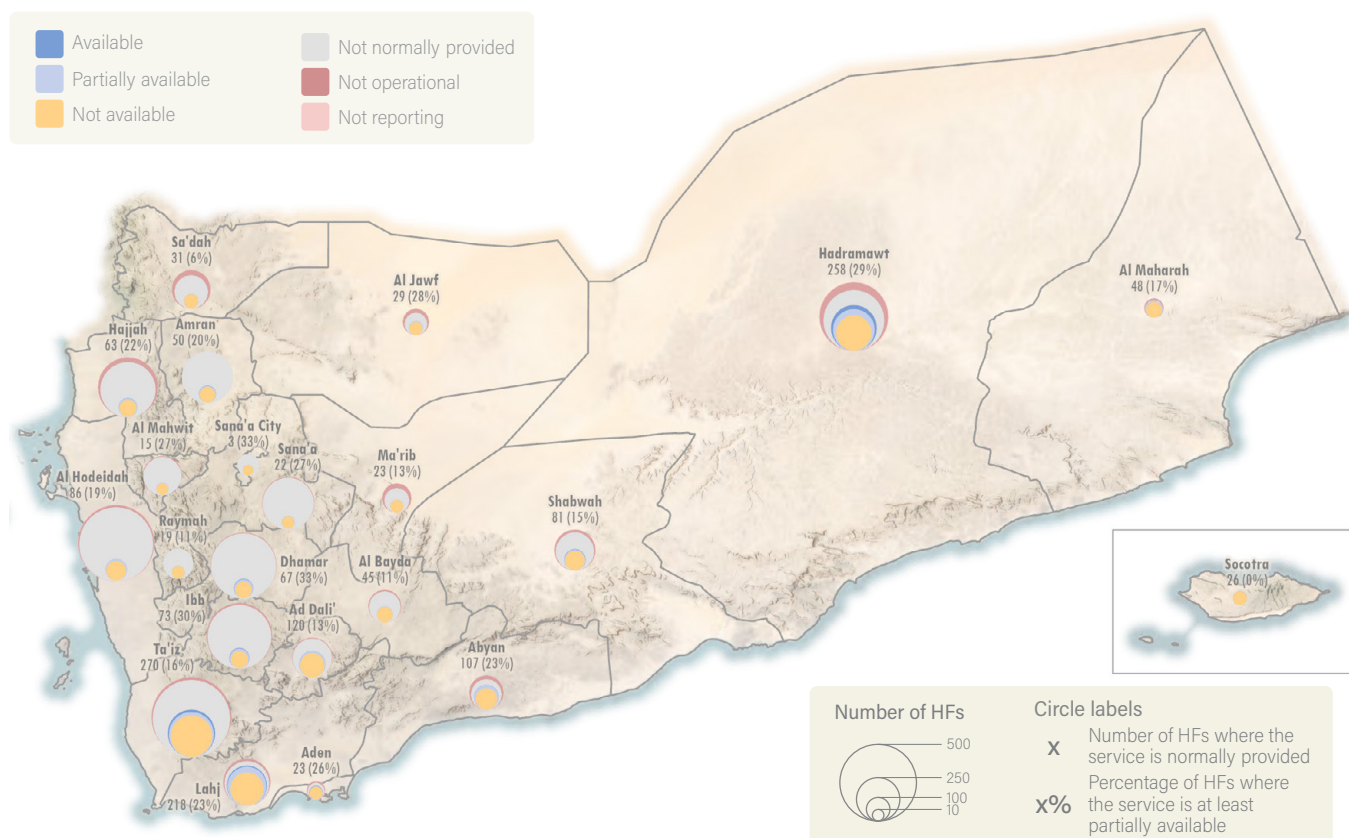
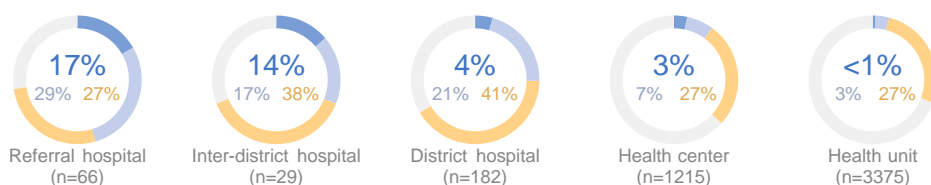


Main barriers impeding service delivery

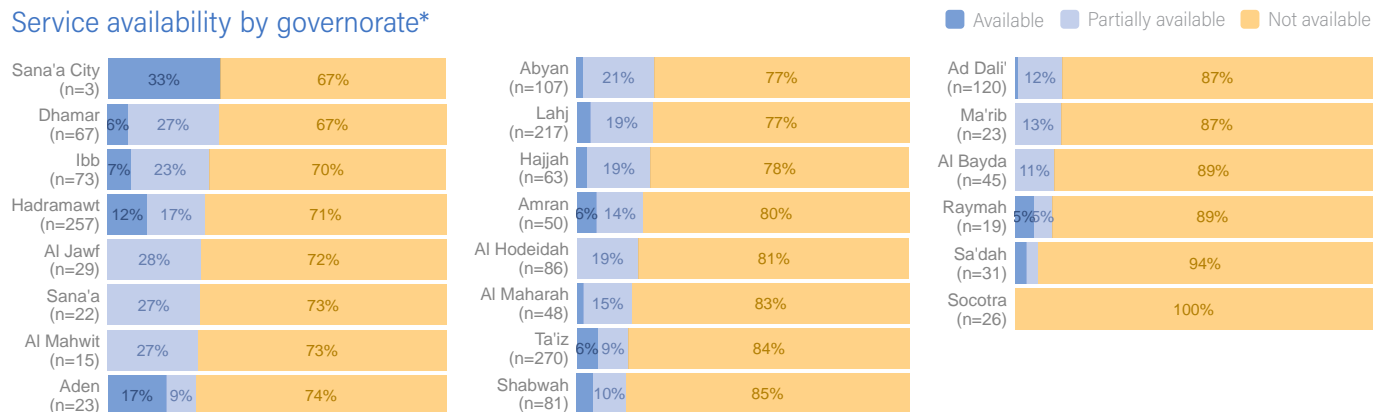
n = 1590



Service availability by type of HF



Service availability by governorate*



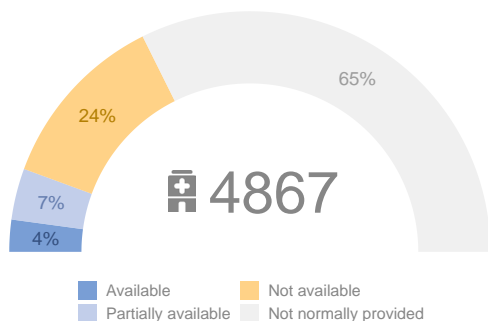
Main barriers impeding service delivery by governorate



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

EMERGENCY CONTRACEPTION

Overall service availability

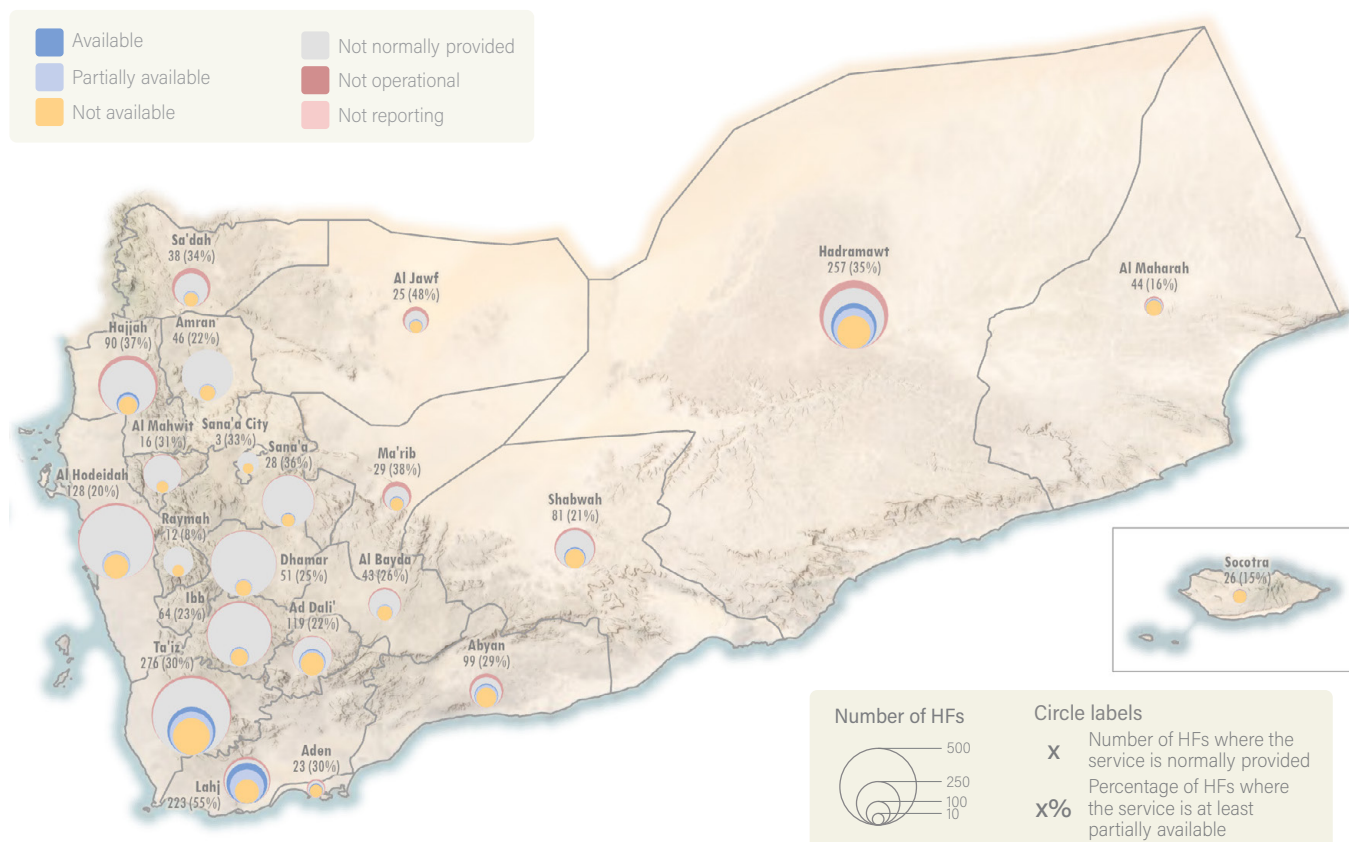
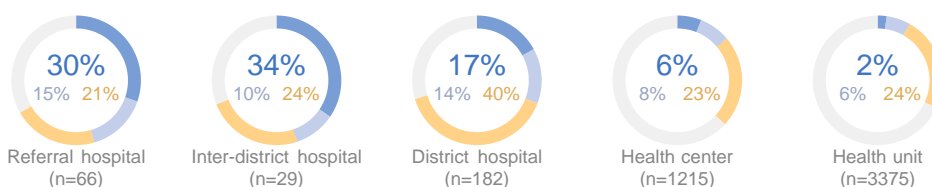


Main barriers impeding service delivery

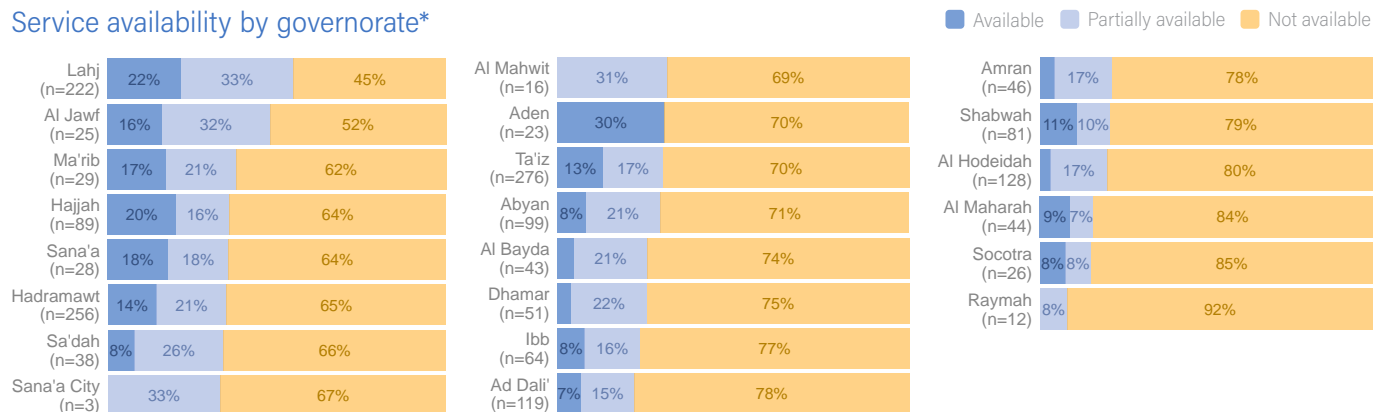
n = 1509



Service availability by type of HF



Service availability by governorate*



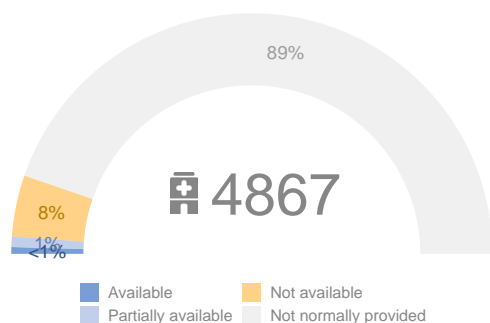
Main barriers impeding service delivery by governorate



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

POST-EXPOSURE PROPHYLAXIS

Overall service availability

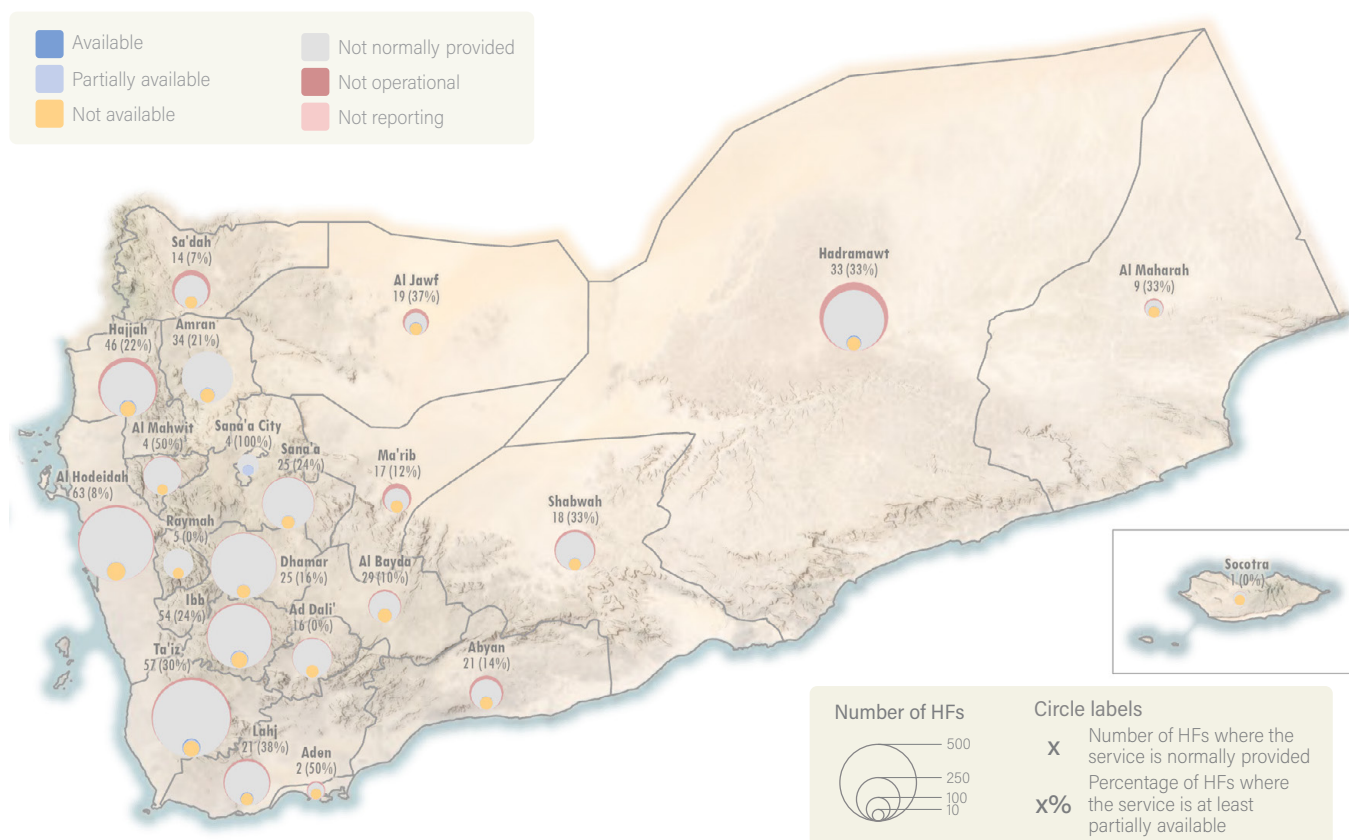
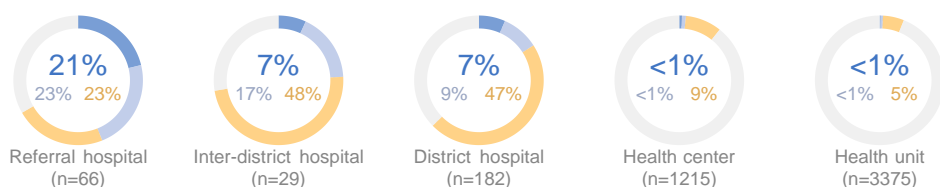


Main barriers impeding service delivery

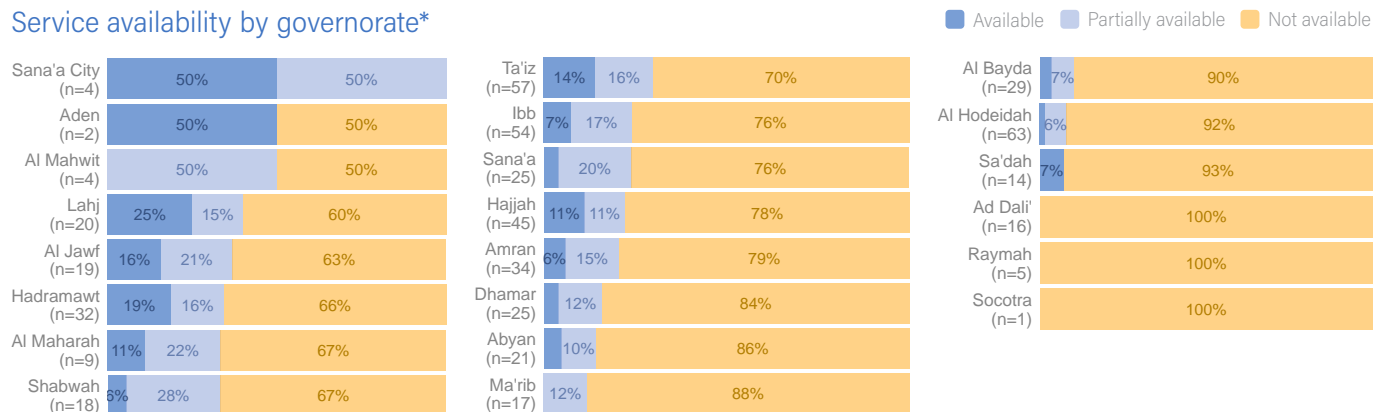
n = 470



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.

ANNEXES



ANNEX I: DEFINITIONS OF ESSENTIAL SERVICES

MATERNAL AND NEWBORN HEALTH

SERVICE	DEFINITION	EXPECTED SERVICE				
		RH	IDH	DH	HC	HU
PREGNANCY TEST		X	X	X	X	X
SHORT ACTING REVERSIBLE CONTRACEPTION (SARC)	Basic pregnancy control including condoms, oral contraceptives, and injection	X	X	X	X	X
LONG-ACTING REVERSIBLE CONTRACEPTION (LARC)	Advanced pregnancy control means/procedures	X	X	X	X	
ANTENATAL CARE	Assess pregnancy, birth and emergency plan, respond to problems observed (urine protein test strips, Syphilis RDT) and/or reported STI, advise/counsel on nutrition and breastfeeding, self-care and family planning, intermittent iron and folate supplementation in non-anaemic pregnancy	X	X	X	X	X
CLEAN HOME DELIVERIES	Includes distribution of clean delivery kits to visibly pregnant women, IEC and behavioral change communications, knowledge of danger signs and where/when to go for help, promotion of exclusive breastfeeding, and IYCF practices				X	X
SKILLED CARE DURING CHILD-BIRTH	Includes early essential newborn care: preparing for birth, assess the presence of labor, stage, fill WHO partograph and monitor, manage conditions accordingly, dry baby, clean cord care, basic newborn resuscitation, skin-to-skin contact, oxytocin, early and exclusive breastfeeding, eye prophylaxis (available magnesium sulphate and antenatal steroid)	X	X	X	X	X
BASIC EMERGENCY OBSTETRIC CARE (BEmOC)	Parenteral antibiotics, oxytocic/anticonvulsant drugs, antenatal steroid, manual removal of placenta, removal of retained products with manual vacuum aspiration (MVA), assisted vaginal delivery, health facility functioning 24/7	X	X	X	X	
COMPREHENSIVE EMERGENCY OBSTETRIC CARE (CEmOC)	BEmOC, caesarean section, safe blood transfusion	X	X	X		
POST-PARTUM CARE	Examination of mother and newborn (up to 6 weeks), respond to observed signs, support breastfeeding, counsel on complementary feeding, promote family planning	X	X	X	X	X
COMPREHENSIVE ABORTION CARE	Safe induced abortion for all legal indications, uterine evacuation using manual vacuum aspiration (MVA) or medical methods where applicable, antibiotic prophylaxis, treatment of abortion complications, counselling for abortion and post-abortion contraception	X	X	X		

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

IST ET VIH/SIDA

SERVICE	DEFINITION	EXPECTED SERVICE				
		RH	IDH	DH	HC	HU
IEC ON STI/HIV	IEC on prevention of STI/HIV infections and behavioural change communications	X	X	X	X	
STI/HIV ADVOCACY	Advocacy for community leaders on STI/HIV risks					
SYNDROMIC MANAGEMENT OF STIs	First-line antibiotics available nationally	X	X	X		
HIV COUNSELLING AND TESTING		X	X	X	X	
PMTCT	Prophylaxis and treatment of opportunistic infections, prevention of mother-to-child HIV transmission	X	X	X		
ANTIRETROVIRAL TREATMENT		X	X			

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

SEXUAL VIOLENCES

SERVICE	DEFINITION	EXPECTED SERVICE				
		RH	IDH	DH	HC	HU
CLINICAL MANAGEMENT OF RAPE SURVIVORS	Includes psychological support	X	X	X	X	X
EMERGENCY CONTRACEPTION		X	X	X		
POST-EXPOSURE PROPHYLAXIS (PEP)	PEP for STIs and HIV infections	X	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

