



Ministry of Health
Republic of Maldives



**World Health
Organization**

Maldives

Harmonized Health Facility Assessment (HHFA): Maldives 2022/2023

Foreword

The Maldivian Healthcare system comprises of both public and private healthcare facilities. The public health system is organized into three-tiers comprising of 22 hospitals (including one national referral hospital) and 164 health centers distributed across the archipelago. The successful completion of Harmonized Health Facility Assessment (HHFA) of these health facilities has provided a comprehensive analysis of these facilities identifying key areas for improvement, including service availability and readiness, management and finance support systems and patient safety. The findings of this assessment serve as a fundamental baseline for policy makers to formulate and implement data driven policies.

HHFA is a standardized global tool that assesses the availability of health facility services and the capacities of the facilities to provide these services at required standards of quality. The Ministry of Health chose to implement three of the modules namely, service availability, service readiness, management and finance with additional indicators for quality of care. The document was locally adapted and piloted before conducting the facility assessment. The Ministry of Health conducted this survey as a census of all public health service facilities giving a comprehensive and in-depth view into service delivery, the successes, limitations and gaps. We also acknowledge the challenges faced during the assessment process such as the geographical barriers. This HHFA conducted with support from World Health Organization (WHO), is yet another one of the many successful collaborations between the Ministry of Health and WHO. We are deeply grateful to WHO country office for their invaluable support and assistance given to triumphantly conduct the WHO Southeast Asia Region's first Harmonized Health Facility Assessment in the Maldives marking a significant milestone for the region. This document serves as a foundational tool for policymakers to develop and



implement data-driven strategies that enhance the quality and accessibility of healthcare services.

We express our sincere gratitude to the former & current Honorable Ministers of Health for their valuable insights in bringing this undertaking to fruition. We would also like to express our gratitude to all the stakeholders involved in this endeavor. The time and effort devoted by the team leaders, enumerators, facilitators, IT division of Ministry of Health, WHO-HQ and AFRO team, external consultants, staff of all healthcare facilities was an instrumental driving force behind this initiative. I would like to extend my sincere gratitude to the dedicated team at Quality Assurance and Regulatory Division, whose tireless and exceptional efforts, including off-hours work, to make this achievement possible. This assessment will play a pivotal role in strengthening primary healthcare, advancing towards universal health coverage (UHC), and achieving the Sustainable Development Goals (SDGs) related to health. The HHFA also provides a baseline for future progress measurement across three domains with extra indicators for quality. In addition, by addressing the identified limitations and implementing evidence-based interventions, the Maldivian healthcare system can aspire to provide high-quality, equitable, and accessible healthcare services to all its citizens.

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Foreword



WHO is committed to advancing health systems and improving access to quality health services globally. It is in this spirit that WHO supported the Ministry of Health Maldives in conducting the WHO South East Asia Region's first 'Harmonized Health Facility Assessment' (HHFA), a comprehensive, standardized survey that provides objective and reliable data on the availability and quality of health services at the facility level.

The WHO-HHFA offers comprehensive information on country's health system performance shedding light in both the strengths and areas requiring attention. The HHFA encompassed all state health facilities, providing a comprehensive assessment of the entire state health system in the Maldives. Through this assessment, we can better understand the capabilities of health facilities, aiding in prioritizing resource allocation, target interventions, and ultimately improve service delivery to meet the needs of the population. By producing data aligned with global service standards, The HHFA findings facilitate evidence based decision making to improve service delivery, prioritize resource allocation and identify areas that require targeted interventions for achieving Universal Health Coverage (UHC) and Sustainable Development Goals (SDGs).

The HHFA covers a wide range of facility services and management systems, organized into topic-specific modules that reflect key areas of health service provision. This approach allows for a thorough and systematic evaluation of service availability and quality across various levels of the healthcare system.

Throughout this initiative, WHO Headquarters, South East Asia Regional Office, and Country Office collaborated closely with the Ministry of Health, offering technical guidance and support to ensure the successful adaptation and deployment of the HHFA tool. The Ministry of Health played an instrumental role in finalizing the assessment's coverage, indicators, and survey tools, demonstrating strong local ownership of this initiative.

Looking ahead, we look forward to continuing our collaboration with the Ministry of Health, using insights gained from the HHFA to further enhance the quality and accessibility of health services across the nation. Together, we are committed to strengthening and building a resilient and equitable healthcare system that meets the needs of all.

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Disclaimer: Indicator codes follow the WHO HHFA Data Indicator Inventory (Year 2022). Numbering reflects the country - adapted subset of HHFA questions selected for the Maldives and is not always sequential by design

Volume 0 - Design and Methodology

Introduction

Availability and quality of health services are integral to building strong primary health care, progressing towards universal health coverage (UHC) and achieving the Sustainable Development Goals (SDGs) for health. Currently, Maldives lacks comprehensive information on service availability and readiness as facility-based surveys are mostly conducted for specific health programmes [e.g. those for human immunodeficiency virus (HIV), tuberculosis (TB), noncommunicable diseases (NCDs)] on a needs basis. For this reason, the Ministry of Health (MoH), Maldives, together with the World Health Organization (WHO), has planned to carry out the Harmonized Health Facility Assessment (HHFA).

The HHFA is a comprehensive survey that assesses the availability of health facility services and the capacities of facilities to provide quality-assured services. The modules include service availability, service readiness, quality of care and safety, and management and finance practice. HHFA data can support evidence-based decision-making in health sector reviews, planning, management and policy-making.

Health policies with regard to public service delivery include establishing a public health facility – either a hospital or a health centre – in each of the inhabited islands, the service level for which will be decided depending on the level of population, the patient load and the distance to the nearest hospital. Health centres provide primary care services and the number of health centres in an atoll is dependent not on the population but on the number of administrative islands in that atoll; it varies considerably from atoll to atoll. In addition to health centres, each atoll, excluding the K Atoll (the geographical atoll where the capital is located), has a hospital catering for the population of that particular atoll.

Even though hospitals are called regional or atoll hospitals, the grading criteria for hospitals comprise three levels, with the number of speciality services increasing as the grading level rises. Administratively, the regional or atoll hospital in each atoll acts as the main coordinating body in providing general and speciality health care in that atoll. Each atoll has a population of 5000–15 000 people. Although the system is organized into a three-tier referral system, in practice, the referrals do not specifically follow the hierarchy of the health system tiers.

This HHFA assessment is a census covering all 188 public health facilities. In addition to the five government health facilities in the Greater Malé Region (GMR), the HHFA covers government health facilities within the atolls (includes 164 health centres, 13 atoll and six regional hospitals), using the HHFA toolkit.

As the HHFA Maldives is quite extensive, the report is prepared in four volumes:



Fig. 1. Structure of the HHFA Maldives report

Objectives

The aim is to produce an HHFA indicator set for the public health facilities in Maldives at national and atoll levels. The details of the HHFA indicators are presented in the volumes on the findings.

The indicators are grouped under the following module themes:

- General service availability and readiness
- Specific service availability and readiness
- Availability of management and financing systems
- Patient safety (using custom indicators)

Interpretation notes: While the objective of the HHFA is to present the national indicators, the readers of the assessment must note that the indicators are useful at a high-level disaggregation of Malé and atolls. Detailed analysis by atoll level is useful only for the atoll concerned. The findings must not be compared by atoll as this is not the objective of the assessment since the indicators are based on the number of facilities in each atoll that varies considerably.

Methods

The HHFA was guided by a Technical Coordination Group involving members of the Ministry of Health (MoH) and the WHO Country Office, and local experts contracted to implement the HHFA in Maldives. In addition, the WHO headquarters (WHO HQ) and the Regional Office for Africa provided technical guidance during the adoption and deployment of the HHFA questionnaire. Final decisions around the coverage, the indicators and the questionnaire were determined by the MoH. The HHFA for Maldives adopted a census approach to assess all government health facilities using the WHO HHFA toolkit, deployment tool CPro and analysis platform.



Fig. 2. Stages of HHFA implementation

Local experts led the health facility assessment for Maldives, including coordination with the MoH and WHO, supervision of data collection, analysis and finalization of the assessment report, along with the validation workshop with stakeholder engagement from different levels of the health system.

The data collection for the HHFA for Maldives was over 90 working days. Following the provision of the WHO toolkit and training, the tasks involved in the implementation of the HHFA are:

- Development of a detailed timeline for the HHFA;
- Participation in the WHO orientation to the WHO HHFA toolkit, and CSPro data collection tools and database;
- Finalized methodology for the HHFA (including tool and data collection/analysis methods);
- Customized HHFA questionnaires for Maldives;
- Customization of digital data collection/analysis tool (in CSPro);
- Pre-testing of tools (using dummy data);
- Training of trainers (ToT) (MoH data collection focal points and enumerators from the contractual partner);
- Completed HHFA data collection and quality assurance;
- Data management (from the CSPro server) and preliminary analysis report;
- Validation workshop and integration of stakeholder inputs (where relevant);
- Submission of the first draft of the assessment; and
- Finalized HHFA Maldives report.

The HHFA modules and questionnaires

The WHO HHFA includes four modules: 1. service availability; 2. service readiness; 3. quality of care; and 4. management and finance. The HHFA for Maldives, however, has three modules. Module 3 was excluded from this assessment as the methodology for assessing quality of care was different from other modules. In the selected modules, both the core questions and the additional questions were included. Necessary adaptations were made to the questionnaires that included additions and exclusions of certain questions relevant to the Maldivian context.

- Questionnaire adaptation was a consultative process with a team of the Ministry of Health. This was essential to meet the expectations of the MoH with regard to the indicators they would like to generate from the HHFA.
- As Maldives has eliminated several communicable diseases and certain national programmes are centrally managed, it was quite difficult to arrive at a decision on whether to include indicators for these. This is because even without the assessment, the results are known to the Ministry of Health. This issue was resolved through further consultations with National Public Health Programme managers and reaching a consensus. A total of 46 country-specific new questions were added and the phrasing of 23 questions was changed in order to adapt these to the Maldivian context.
- Some discrepancies were observed in the definition of certain terminologies used in the questionnaires and those used locally. One example involved inpatient service, wherein the health facilities use the definition provided by Aasandha, a government health financing scheme, instead of that found in the HHFA manual. Another example pertains to the reference to community health worker. In the country, this is designated as a formal health-care worker (professional category); it required a number of changes to the phrasing of the questionnaires.
- Although the indicator inventory provides details of the questions used in generating each indicator, it was quite difficult to maneuver between the questionnaires and the indicator inventory. As such, the research team spent a lot of time checking whether all questions needed for the indicators were included in the final number of questions selected for the country. The manual process was quite cumbersome. At present, the indicator inventory provides the numerator and denominator code/descriptions. An easier way to carry this out, such as a reference table with the indicators and the question reference numbers needed, would have been especially useful.
- The Ministry of Health expected, among other things, to obtain evidence on the quality of care at health facilities. As the quality module's methodology is different from that of other modules and was not ready, quality module questions were not included. To compensate for this, custom questions were developed. However, these questions were not pre-tested and clear definitions were not developed, which affected the quality of data. This was not evident in the training, but data quality issues were observed for a few of these custom questions during the analysis.

Setting up and deploying data collection platform CSPro

Configuration of the HHFA CSPro application for the Maldivian context

Before the CSPro application was deployed, the application was configured for the Maldivian context by referring to the “HHFA: data manager guide”. Each step mentioned in the guide was followed throughout the process, starting from questionnaire adaptation to hosting the HHFA application on the web server. The process was started by changing the sample reference file provided in the application.

Creating the administrative areas lookup file

In the administrative area lookup file, two levels of administrative area for Maldives were created. In the Maldives HHFA, an atoll represents a region or a province and an island represents a district.

As each island is geographically separated and has at least one health facility, an island is considered the lowest administrative level in Maldives. In the initial setup, a four-digit code was used to represent the islands and the length had to be changed in the CSPro dictionaries, i.e. “HFA_DICT.dcf” and “HFA_COMB.dcf”. Later, at the testing stage, a problem was detected while using the four-digit island code to represent the district. The issue: the supervisor validation report did not show the island. Therefore, this issue was discussed with the WHO Regional Office for Africa (WHO-AFRO) team. They suggested changing the island code back to two digits; the problem was solved after this change was made. Using this area code, the Geocodes file was created to reflect the administrative topology of Maldives. Once the two reference files were all set up in Excel, these were converted to CSPro data files (.csdb), using the CSPro tool, Excel to CSPro.

Creating the staff lookup file

The staff file is used to define the individuals who will have access to the HHFA data collection application and assigns a role to each person. Due to the lack of staff with health background, both supervisor and team leader roles were assigned to the same person so that the individual concerned could switch between supervisor and team leader roles on their data collection device (a smartphone or a tablet) using the “reset device registration” option provided in the Combined HHFA Entry Menu. Furthermore, same data collectors were allocated under different team leaders with unique staff codes so that the team leaders had the flexibility to assign facilities based on availability of data collectors in the location concerned. Distinctive staff codes were used in such a manner that it uniquely characterized the user roles, which in turn helped those involved to easily identify and remember distinctive staff codes assigned to them.

Creating the facility lookup file

A comprehensive list of all public health facilities was prepared on the basis of the data received from the Ministry of Health. The list highlighted the administrative level of each health facility. A total of 188 public health facilities were included in this list. Each facility was provided with a unique code, combining atoll and island codes

Changes to the questionnaire on CSPro

A total of 46 country-specific new questions were added to the HHFA CSPro data entry application. These included three questions on abortion from the paper questionnaire, which were not previously included in the HHFA CSPro data entry application due to their sensitive nature. Furthermore, the phrasing of 23 questions was changed to adapt these to the Maldivian context.

Configuring the HHFA setup menu

The parameter setting was changed on the basis of the requirement of Maldives. First, for testing purposes, the application was deployed on Dropbox.

The modules included in the application were:

- Module 1: service availability;
- Module 2: service readiness;
- Module 4: management and finance; and
- Custom questions.

The activation/deactivation of questions was carried out using a batch edit programme in the HHFA folder. New questions were added first to the relevant dictionaries and then to the entry programme. Questions flow and skip logics were incorporated for added questions in the logic file of the relevant dictionaries. The team did not wait to launch the application on Dropbox for testing till the team finished identifying the questions to be included in Maldives HHFA. Testing of the application was also conducted simultaneously with dummy data while the HHFA co-team was preparing a final questionnaire to be used in the Maldives HHFA.

Deploying the application on CSWeb

The IT team of the Ministry of Health worked on the configuration setup for the CSWeb server. An Amazon Lightsail service was acquired from the WHO-AFRO team with the recommended computational power and specifications. The guideline provided by WHO was used as a reference. Once the setup was completed, the adapted HHFA Maldives application was adapted to CSWeb. This was followed by comprehensive testing by the HHFA core team, together with the trained teams, to identify errors with the system. All issues identified were later addressed and resolved before the final launch of the HHFA application on the server for data collection.

Tracking progress

In order to track progress on survey completion, a track progress sheet needed to be created, consistent with the “HHFA: data manager guide”. To create the track progress sheet, first, the HHFA data from the CSWeb server needed to be downloaded. A Google sheet tracking table was prepared and maintained by the data managers to facilitate and provide updates on the survey progress to all reporting parties. To update the progress sheet, data managers downloaded data from the Data Managers Menu whenever team leaders shared information about the synchronization of new facilities data to the system. The reports generated from the Data Managers Menu included:

- Duplicates report
- Survey progress report
- Detailed incomplete section report
- Facility validation report.

Issues faced during the survey

- Start time and end time were not properly recorded in the data even though these were recorded from the CS entry program from the device.
- Section 3 of the questionnaire: length of the fields on staffing/number allocated; non-physician; and nursing professional; the length given for this field was changed to four digits since the main referral hospital in Maldives had 1178 staff members for this category.
- If Section 18.6 question Q9300 has NO as the answer, the section ends. Data collectors now have to skip Section 18.7. This was not mentioned in the “HHFA: data manager guide”; this was written as a comment in the logic file of question Q9300. Since this was not mentioned in any of the documents, some data collectors started filling out Section 18.7 as sections are always enabled even though they answer NO in Section 18.6.

Reviewing and editing data

CSPRO edit files were written to remove duplicate assignments and to bring edit changes to HFA_Data files based on the supervisor validation data. The final HFA dataset was created after running the batch edit programs to clean “HFA_Data.csdb” and “HFA_COMB.csdb”.

The data collectors’ data were reviewed by comparing it with supervisor validation data. The supervisors were provided with a Google spreadsheet, which included the supervisor validation data and data collectors’ data. The differences in data values were highlighted so that supervisors had to identify the correct value by comparing the supervisor’s data with that of the data collector for that particular facility. When supervisors finished editing the Google spreadsheet, these changes were written in the CSPRO edit file for cleaning the final dataset.

Enumerator selection and training

In addition to the core management team, recruitment of a field team was underway within three days of signing the contract. As mentioned above, team leaders were selected and assigned roles based on qualification and experience; clear roles and responsibilities would be discussed and agreed upon at the beginning of the project. Field team leaders were similarly chosen based on field experience and capabilities, and would be involved in the development of their respective teams to ensure good teamwork. Enumerators were hired based on criteria that included familiarity with the subject, ability and maturity to handle sensitive issues, prior research or enumerating experience, reliability, and ability to commit time and attention to the assessment. Roles would be clearly defined and discussed among team members, and clear lines of communication for concerns and complaints would be identified. The management team was to also maintain a roster of eligible applicants as backup in the event of dropouts.

HIRING DATA COLLECTORS FOR HARMONIZED HEALTH FACILITY ASSESSMENT (HHFA)

LOCATION: ALL INHABITED ISLANDS (ALL PUBLIC HEALTH FACILITIES)



EDUCATION
At least a Diploma

Preferably in Health related area
More info: admin@eskeymv.com



EXPERIENCE
Health Sector

Preferred: worked in a health facility & with good people skills



DURATION
July 2022

Availability for training & data collection location(s) for at least a week



BENEFITS
Payment: MVR 800 per each workday

Training on HHFA, research/data collection & CAPI software



APPLY
Before: 20 June 22

Application Link: <https://ee.kobotoolbox.org/x/Fx6zSLWE>



In collaboration with
Ministry of Health



World Health Organization
Maldives



ES-KEY

Fig. 3. Advertisement used for circulation on social media to get enumerators

Training for enumerators was conducted by the team from Eskey (the local firm) and team leaders for the HHFA, who were trained by a WHO trainer. The facilitator training was seven hours long and conducted online, using the online ToT modules for HHFA that were being prepared by WHO. The Facilitator Guide, presentations and graded tests were provided to the Maldives team following the training. Additional sessions were conducted for the team to prepare the CSPro application, its hosting on the MoH server and assigning the roles of data collectors, team leaders, supervisors and data managers on the CSPro application. The WHO-AFRO team provided online support for updating the Maldives HHFA questionnaires on CSPro.

The enumerator training had two objectives. These were to:

- a) Develop the knowledge, skills and attitude required to collect accurate and reliable HHFA data from health facilities; and
- b) Assess the data collection process in the field using the CSPro application.

Data collectors are the primary target audience, but team leaders and supervisors are also involved in the implementation of the HHFA in Maldives.

The training materials (presentations, test exercises and evaluations), provided by WHO for the HHFA, were adapted to the local context. The adaptations were made with regard to the scope (the modules, sections and subsections covered) and the local process adopted for data collection (for example, use of smartphones instead of tablets and money to buy data credits, scheduling and reporting), and the use of CSPro application. The questionnaire review training materials were adapted with some images that displayed the local health facility situation.

A six-hour training was conducted daily for seven days with exercises provided at relevant periods during the training. All training sessions were conducted online; practice exercises were provided at the end of the training day to familiarize the enumerators as well as the team leaders with the application. The training schedule is attached below.

Training schedule

Table 1. Training schedule of enumerators

START	END	ACTIVITY	LEAD FACILITATOR
Monday, 27 June 2022			
15:00:00	15:30:00	Registration and introduction of team	Dr Sheena Moosa
15:30:00	15:45:00	Opening remark	QC – Ms Thasleema Usman
15:45:00	16:00:00	Opening remarks: welcome and introduction	WHO
16:00:00	16:15:00	Workshop objectives, agenda and ground rules	Dr Sheena Moosa
16:15:00	16:30:00	HHFA overview	Dr Sheena Moosa
16:30:00	17:15:00	Interviewing skills	Ms Aishath Zahira
17:15:00	18:00:00	Completing the HHFA questionnaire: Sections 1–7	Mr Ahmed Shaheed
18:00:00	19:55:00	BREAK	
20:00:00	21:00:00	Questionnaire review. Sections 8, 9, 10, 11	Ms Limya Hamid
21:00:00	22:00:00	Questionnaire review. Sections 12, 13, 14	Ms Limya Hamid
Tuesday, 28 June 2022			
15:00:00	18:00:00	Questionnaire review. Section 18	Mr Abdul Hameed
18:00:00	19:55:00	BREAK	
20:00:00	22:00:00	Questionnaire review. Section 18	Ms Sofiya Rasheed
Wednesday, 29 June 2022			
20:00:00	15:00:00	Questionnaire review. Section 18	Mr Ahmed Nishan
15:00:00	20:00:00	Questionnaire review. Section 18	Ms Aishath Zahira
Thursday, 30 June 2022			
15:00:00	16:30:00	Questionnaire review. Sections 19, 20, 21, 22	Mr Hamzath Ahmed
16:30:00	18:00:00	Questionnaire review. Sections 19, 20, 21, 22	Mr Ali Manik
18:00:00	19:55:00	BREAK	
20:00:00	22:00:00	Using CSPro for data entry	Mr Ali Shafeeu
Friday, 1 July 2022			
15:00:00	18:00:00	Using CSPro for data entry and clarification of issues	Mr Ahmed Shaheed
18:00:00	19:55:00	BREAK	
20:00:00	21:00:00	Review of procedures and materials for data collection	Dr Sheena Moosa
21:00:00	22:00:00	Preparation of pilot test	Ms Aishath Laila
22:00:00	22:15:00	Test for data collectors, end of training evaluation	Mr Ali Manik

START	END	ACTIVITY	LEAD FACILITATOR
Saturday, 2 July 2022			
08:00:00	18:00:00	Pilot test: 2 health facilities (different type and managing authority)	Sofoora Kawsar Usman
15:00:00	18:00:00	Debrief of pilot test and troubleshooting	Mr Abdul Hameed
Sunday, 3 July 2022			
15:00:00	18:00:00	Debrief of pilot test and troubleshooting	Mr Abdul Hameed
18:00:00	19:55:00	BREAK	
20:00:00	22:00:00	Conclusion of HHFA data collectors' training	Mr Ahmed Nishan

As part of the training, a pilot test was conducted on the full data collection cycle, from assigning supervisor, team leaders and enumerators for collection to submission of at least one section at the island health facility where the enumerators were physically present during the training.

A second pilot test was conducted by the team leaders at a health facility to assess the time required to complete a medium-sized health facility and identify the bottlenecks in collecting data at the health facility.

The issues identified in the pilot testing included:

- Assigning facilities and sections without updating the application;
- Communication delays between team leaders and enumerators;
- Non-recording of start time and end time;
- Not being able to resort to GPS while indoors;
- Data loss when the application was closed without exiting the facility;
- Data loss due to incoming phone calls to the enumerator's smartphone if the section was incomplete; and
- Being time-consuming when data collectors had to identify respondents for different sections after visiting the facility.

The training evaluation indicated that the data collectors, the team leaders and the supervisors had a commendable grasp of the HHFA questionnaire, its structure, types of questions, the definitions used and the CSPro application. The pilot testing, however, showed that there was a need to become more familiar with the CSPro application and navigating different actions while using the tool as well as the importance of scheduling and preparing for facility visit, and timely communication with the team leaders.

Post-training sessions were conducted with supervisors and team leaders to prepare for starting data collection, scheduled for 10 July 2022.

Technical aspects of field work

Field work preparation

- Before the commencement of HHFA data collection on 6 July 2022, all data from the enumerator training were cleared from the server. During the training, supervisors, team leaders and data collectors were guided on how to clear data on their devices before starting actual field work in order to start with a freshly installed HHFA application. Simultaneously, all parties were advised to not synchronize any dummy data or data from training after the final survey application was deployed on the server.
- All data collectors, including team leaders and supervisors, set up their devices using the QR code or CSWeb server (<https://cswebtr.health.gov.mv/api/>). No device up for data collection was set using Dropbox, which was used during training and pilot testing to collect data.
- Instructions were passed from data managers to make sure that all team members could log in using their respective staff codes before their team started data collection. Furthermore, team leaders were advised to not make section assignments without ensuring that all team members could successfully log in using their respective staff codes.
- While making section assignments, teams were alerted to not start data collection until the team leader confirmed that all team members had their respective sections for data collection so that it left room for reassignments, if needed. If more than one data collector was assigned for a health facility, all data collectors should be under the same team leader.
- Facilities up for supervisor validation were identified beforehand and the minimum number of sections to be validated was revealed. The minimum number of sections for supervision included facility identification, involving subsections from Section 18 and at least one other section. Supervisors were to conduct the validation process in such a way that they covered all sections in the questionnaires across all facilities, at least once under each supervisor. Team leaders cannot carry out data collection at any facility up for supervision.
- Data collectors, team leaders and supervisors used their own devices for data collection with guidance from data managers and team leaders on properly setting up their devices for data collection. A fully charged Android 8.0 or above device (phone/tablet) per enumerator, with CSPro installed and loaded with the HHFA questionnaires, was allowed to start data collection.
- A total of seven team leaders worked with 31 enumerators to collect data.

Field work implementation

- Updates to the staff sheet needed to be provided due to the unavailability of data collectors. This required all parties involved in data collection to update the application to enforce the latest changes to the HHFA application.
- Before the updated application with new staff codes was deployed, clear instructions were given to the teams. These included:
 - Do not assign new health facilities for data collection.
 - If teams have any ongoing health facility data collection, complete the collection for that health facility and synchronize everything for backup.
 - If teams have assigned a health facility for data collection, but the data collection has not yet begun, do not start it.
 - If teams have any ongoing health facility data collection and cannot complete the data collection by the end of the day, ask data collectors to save it at the end of the day and synchronize for backup.
 - After the updated application has been deployed on the server, the next day, the data collectors have to update the application before continuing data collection.
- Often, teams are required to collect data from a health facility with the help of a data collector under another team leader. The initial instruction to data collectors was to use the same staff code they already had and ask the original team leader to assign the facility for data collection since no facilities are tied down to any particular team leader within the HHFA application setup. Teams were instructed to coordinate between themselves and make sure that each facility was assigned only once for data collection.
- If a facility was up for supervisor validation, assigning a data collector under another team leader to collect data from that facility became an issue since the supervisor concerned now had to take on a workload initially assigned to another supervisor. In order to tackle this issue, there was greater need for introduction of new staff codes under each team leader. The new code could be used by any data collector available after deregistering from their old staff code.
- All supervisors were also required to fill in the role of team leaders. Therefore, they were required to use two separate devices for two distinctive roles in order to ensure smooth data flow within the HHFA application. There were situations wherein the supervisor did not have two devices to fulfil both roles assigned to the individual. Hence, it required team leaders to switch from team leader login to supervisor login. In these cases, clear instructions were given to make sure that all data on the device from the team leader login were synchronized and received on the server before deregistering the staff code.
- Devices outside recommended specifications, used by data collectors, triggered other technical difficulties.
- Complications arose due to the use of the same device for two different users.
- Not having predefined the list of facilities assigned to each team leader can introduce duplicates in the dataset.
- The team leader assigning facilities much before the data collector had reached the health facility and facility assignment after the data collector had reached the facility resulted in difficulties for the enumerators in facility selection and monitoring the time consumed.
- Some data collectors struggled to switch from Dropbox to web application
- Some team leaders complained about not receiving completed data records from data collectors. After ensuring the following, those issues were rectified.
 - Ask data collectors to send data to the team leader again, re-synchronize.
 - Then from the team leader login, receive data from data collectors and create complete data record.
- It takes a lot of time, especially if there is only one person to answer the questions; there are issues with respondent availability.

- Record end time when the data collection for the day is over, but the data collection for the whole facility is still to be continued the next day.
- If the application freezes midway through the interview, the option to autosave is needed.
- Few complaints were received, which said that the recorded data were not on the tablet when data collection restarted. In such cases, the instruction is to save and exit properly from the flow control to ensure that the data recorded are saved when data collection is completed for the day or even when taking breaks.
- Application startup error was encountered and when the device was restarted, all data previously entered were lost. Most probably, this occurred because the device did not have enough memory to store the data recorded.

Recommendations based on lessons learnt

- Ensure a compilation of common errors on the application, why these occur and how to deal with these.
- Have a dummy facility to test the real data collection processes when teams carrying out field work face issues and data managers need to conduct testing.
- Use spare user accounts under individual supervisors to cater for the change in data collection staff.
- Ensure introduction of an iOS application or a web application to support Apple devices to be used in data collection.
- Add extra feature on the HHFA application to control which facilities can be assigned for data collection by which user.
- Allow retaking time for facility start/facility end. Even if clicked accidentally, there is now no option to take the correct timestamp.

Logistic aspects

- At the onset of the survey, contracted services were considered – pharmacies operated by the State Trading Organisation in the islands, at first, did not facilitate data collection, thus making teams to return to Malé or continue data collection elsewhere. This delayed data collection and these facilities had to be revisited.
- CSPro could only be deployed on Android – some of the data collectors, team leaders and supervisors did not have devices. Although this was not budgeted, devices had to be procured to implement the survey.
- Every year, July and August are the rainiest months in Maldives. In addition, in 2022, the government declared that the academic holiday would also fall into this period, encouraging a lot of staff members in the civil service, including at health facilities, to take leave so that they could spend time with family and friends. The survey period coincided with this academic holiday. Thus, harsh weather, coupled with the unavailability of staff to answer the questions, had a twofold impact on the survey – financial and in terms of the time consumed.
- The teams trained and selected were not able to travel to other islands due to financial constraints; they were also unwilling to travel in dhonis in rough weather conditions.

Data management and data quality

The WHO-AFRO team and the Eskey team had an introduction meeting in May 2022. The WHO-AFRO team was introduced to the core CSPro Maldives team during the meeting. The discussion covered such core topics as the support required from the WHO-AFRO team and how to build the backend. All these topics are covered in the “HHFA: data manager guide”, the WHO-AFRO team had emphasized.

It was advised that the choice for the backend could be based on the technological capabilities of the company providing the digital platform. CSWeb (Amazon Lightsail, Digital Ocean, Linode, Google Cloud Platform, etc.) is suggested if the organization has experience with web server management and cybersecurity. Dropbox is advised, nevertheless, as it is suitable for small to medium-sized surveys, needs no server setup or maintenance, and eliminates the cost and difficulties of setting up a CSWeb server, if the organization has the ability to deal with it.

During the testing phase and training, the HHFA Maldives application was deployed on Dropbox. However, for the main survey operation, the MoH acquired a server space from Amazon to host the HHFA Maldives application.

Once the questionnaires were harmonized to the local context, a second meeting was held with the WHO-AFRO team in July. However, as there were not enough data to fully test the data management processes and to develop the progress-tracking tools, the meeting was rescheduled for the following Wednesday. In the third meeting, the following topics were reviewed.

Areas covered by the WHO-AFRO team:

1. Review data during data collection.
2. Track progress towards survey completion.
3. Review data for completion.

The areas mentioned above as well as the remaining parts were completed by the Eskey team as the process of data management.

4. Identify and resolve duplicates.
5. Compare supervisor validation.
6. Review key variables.
7. Edit key variables.
8. Export data for archiving and data analysis.

In the review data, during data collection, the WHO-AFRO team highlighted the fact that reviewing data was the responsibility of almost all HHFA users. Data collectors, team leaders and supervisors use the view reports feature to review the completeness. The data manager uses the tracking sheet to track the progress. Regular review of data will help ensure that all sections for all facilities are captured.

The WHO-AFRO team also provided guidance on how to develop the track sheet using downloaded HHFA data from the server. Step by step, the Eskey team explained how the tracking sheet was built. Furthermore, it was highlighted that throughout data collection, the data manager is responsible for daily updates on the tracking sheet; hence, the data track sheet/progress sheet is the key to monitoring the progress of the work.

Once data collection is completed, it is highly recommended that the data manager synchronize data from all tablets one final time. Synchronizing data from all tablets should follow logical steps: synchronizing data from data collector tablets to the server, synchronizing data from data collector tablets to team leader tablets, creating complete records on team leader tablets and then synchronizing team leader tablets to the server. These steps may seem time-consuming, but they will ensure that all data are included in the final dataset. Much time can be lost in hunting down missing facility data after data collection is completed.

If potential duplicates have been identified, the data contained in each record must be examined to decide if these records are true duplicates. After exporting the data to .csv and opening with Excel, examine the data. Based on the examination of the data, determine if a record is a true duplicate that should be deleted or if a different edit is required to resolve the issue. To make an edit to the dataset, record the unique identifying information of the case to be edited and the required edits. The edits should be performed when reviewing and editing key variables.

The WHO-AFRO team also emphasized that supervisor validation records should be split from the combined dataset so that they could be compared with data collection records. The Compare Data tool is a CSPro tool that allows users to compare two data files and identify the differences. The data files must have the same structure. In addition, for comparisons to be made, the original case and the supervisor validation must have the same ID information and be located in different datasets. The comparison results must be interpreted with caution and with a view towards identifying differences that may be reasonable and differences that may be indicative of a problem with data quality.

These comparison results need to be shared with the survey coordinator, supervisors, team leaders and so on, so that feedback can be provided, data updated and data collection practices changed to improve the consistency of data collection. In addition, the results of the comparison may be reviewed and decisions may be taken to reconcile discrepant results in the final dataset. Any edits to the final combined dataset will need to be made using the batch edit application. However, as these CSPro results were difficult to read, all validation was carried out using Excel.

As the time was up for the day, review of key variables, editing key variables, and exporting data for archiving and data analysis were kept for another day. However, as the WHO-AFRO team was engaged in another activity, they were not able to cover these three sessions and advised referring to the data management guide.

Data analysis

Data analysis was conducted on the HHFA data analysis platform. The HHFA data analysis platform produces descriptive analyses, based on the distribution of indicator frequencies and on comparisons using selected stratified variables. The platform produces a standard set of indicator tables and graphs, and a standard report outline. Analysis was conducted by local experts following a three-day training session on the HHFA data analysis platform, led by a WHO consultant.

During the first session, the consultant demonstrated the analytical platform and provided a brief introduction to it. The second session started with a fully labelled dataset from Maldives and covered how to upload the dataset to the platform, how to construct a configuration and how to create stratifications by locality, as atolls and Malé. Facility type was the second stratification and management authority was the third. The following criteria were chosen in order to import the tables.

Core, Additional and Supplementary (from the Building Infrastructure section) questions were chosen under Service Availability. The Core option was chosen for service readiness. Core and Additional questions were chosen under Management and Finance. Following these choices, all tables were generated. The dimensions, areas, subareas, tables and indicator fields were viewed once the tables were generated. Additionally, training covered how the tables were created, how the indicators were calculated and running the results. Saving the configurations and tabulations was demonstrated at the end of the session. Additionally, issues were identified, plans to resolve the tabulation errors discussed and decision points noted.

The third session demonstrated how to upload the configuration using previously saved files. The solutions for the tabulation errors were discussed and resolved by removing two of the indicators and changing the codes in one indicator. After addressing the problems, addition of more dimensions and indicators was demonstrated, along with the methods to create the maps using the platform's data. However, map visualization was not functioning well and a shapefile of Maldives was requested. At the end of the session, how the tables could be exported to Word and PDF were demonstrated.

During the final training session, two templates were created, including the shape maps of Maldives: one that showed the high-level disaggregation (Malé and atolls) tables and the other that showed the detailed tables at the atoll level. The detailed templates were intended to be used to build maps on the platform with the shapefile. The training also covered how to use population for the density tables and the function of the maps. Interpretations of the results were discussed in detail; it was stressed that readers should clearly understand the delimitations on the indicators, particularly when stratification was carried out at more detailed levels, such as at the atoll level.

The same tabulation and configuration, generated in the training, were used in the final data analysis. Preliminary results were produced and discussed at a stakeholder workshop on interpretation, finalizing the indicators and validation of data. Minor changes were made to indicators based on the feedback from the validation workshop. Hence, two levels of analysis were provided: a high-level analysis by Malé city and combining all atolls, and a detailed analysis at the atoll/locality level.

NOTE: It is important to note here that the findings of a detailed analysis at the atoll level should not be compared by atolls – it is a presentation only for that atoll. This is because the denominator for each atoll is the number of facilities in that atoll and the number of facilities in each atoll varies considerably. Hence, for an atoll with five facilities, non-availability of a service at one facility gives 80% availability, while in an atoll with 15 islands, non-availability of a service at one facility gives 93% availability. Therefore, all readers are cautioned about referring to the last column of the tables that provides the denominator applied to each indicator at the atoll level when interpreting the indicator values.

Validation workshop

In November 2022, a validation workshop was held in the Ministry of Health’s meeting room. It was attended by WHO, the Minister of State for Health and staff of the Ministry of Health, Indira Gandhi Memorial Hospital (IGMH) staff, atoll staff and participants from other relevant agencies. The purpose of the workshop was to validate findings. The Eskey team of experts presented the general findings to the attendees.

After the presentation, the participants were divided into five groups. Each group was assigned a specific dimension table to verify the data. The workshop lasted for one day and during this time, the groups reviewed the data, and provided comments and feedback.

To ensure accuracy of data, all comments received from the team were double-verified before making any adjustments. The workshop was a success and it helped validate the findings and ensure that the data were accurate and reliable.

Overall, the validation workshop provided an opportunity for various health agencies to come together and review the findings, which in turn helped improve the quality of data. This collaboration and validation process can help facilitate the decision-making process and ultimately improve health outcomes for communities.

Data curation

The dataset is exported to the WHO HHFA analysis platform with restricted user access. The metadata on the indicators are available on the WHO HHFA platform. A .csvfile of the dataset is available at the Ministry of Health, Maldives, and is accessible upon request, as per the data release policy of the MoH.

Volume 1 - General Services (Avalibility)

1. Health infrastructure

1.1.1 Health infrastructure density

Table 2. (1.1.1.1) Health infrastructure density by atoll

	Number of health facilities per 10,000 population	Number of primary health facilities per 10,000 population	Number of hospitals per 10,000 population	Number of inpatient beds per 10,000 population	Number of maternity beds per 1000 pregnant women	n
National	3.25	2.83	0.40	33.04	40.43	188
Atoll						
MLE	0.21	0.04	0.13	18.81	16.71	5
HA Atoll	7.99	7.42	0.57	59.95	57.14	14
HDH Atoll	5.54	5.12	0.43	49.90	67.62	13
SH Atoll	9.02	8.37	0.64	71.49	59.14	14
N Atoll	7.68	7.09	0.59	43.15	78.82	13
R Atoll	7.31	6.82	0.49	68.21	85.37	15
B Atoll	6.37	5.39	0.98	37.74	28.57	13
LH Atoll	2.75	2.06	0.69	38.52	62.86	4
K Atoll	1.85	1.85	0.00	12.31	6.85	9
AA Atoll	5.77	5.05	0.72	33.16	59.88	8
ADH Atoll	4.85	4.36	0.48	33.92	32.26	10
V Atoll	18.50	14.80	3.70	70.29	0.00	5
M Atoll	11.79	10.31	1.47	83.97	109.76	8
F Atoll	8.27	6.62	1.65	52.95	68.49	5
DH Atoll	5.56	4.64	0.93	37.10	54.26	6
TH Atoll	11.29	10.42	0.87	87.69	108.70	13
L Atoll	5.91	5.32	0.59	33.11	39.41	10
GA Atoll	6.11	5.43	0.68	40.76	33.90	9
GDH Atoll	5.82	5.17	0.65	73.06	145.16	9
GN Atoll	1.00	0.00	1.00	33.12	50.00	1
S Atoll	1.49	1.12	0.37	39.91	105.92	4

National results show that for every 10 000 people, the country has at least three health facilities. The number of health facilities is higher in the atolls, compared with Malé, by default, as the city hosts most of the hospitals. Given the intense concentration of population in Malé, two public hospitals and one primary care centre are not adequate to cater for the population in this area. Compared with this, the number of health facilities is higher in atolls with smaller populations. Take, for example, V and M atolls in this regard.

A similar trend is observed for the availability of primary health facilities per 10 000 population. At the national level, nearly three primary health facilities are available to cater for 10 000 people. The higher number of primary health facilities is associated with the size of the population in the atolls. Malé has only one primary care facility (*Dhamana Veshi*), which accounts for less than 0.05 per 10 000 population residing in the capital. Similarly, GN atoll does not have any primary care facility.

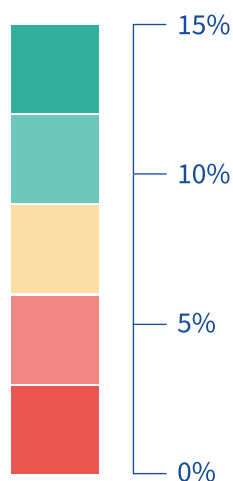
When it comes to hospitals as per population density in the island nation, the proportion stands at 0.4 hospitals per 10 000 population. Despite being the capital where the majority of the population is concentrated, Malé does not even have enough hospitals to serve the growing population. If the health infrastructure is not expanded in Malé in the near future, hospitals and primary care health centres (*Dhamana Veshi*) can cater only for a limited number of people with health-care needs.

The findings show that, nationally, nearly 33 inpatient beds are available for 10 000 people. The availability of existing inpatient beds per 10 000 population is less in Malé (19 beds), when the population residing in the capital is taken into consideration. The health infrastructure density is minimal for serving not only the residents of Malé, but also those coming to the capital from the atolls for medical treatment.

Insofar as atolls, where regional hospitals are established, are concerned, the GDh Atoll Regional Hospital has a higher proportion of inpatient beds, compared with other regional hospitals. Kulhudhuffushi (HDh) and Gan (L) regional hospitals have fewer inpatient beds per 10 000 people (34 and 33 beds respectively). It has been observed that the establishment of the atoll ferry system has increased the demand for health care in Kulhudhuffushi; the current capacity of the health infrastructure, however, is not sufficient to meet the needs of the population seeking services from the facilities on the island.

With regard to the availability of maternity beds per 1000 pregnant women, 40 beds are available per 1000 pregnant women in the country. A limited number of beds are allocated for pregnant women in Malé, compared with that in atolls.

Number of Primary Health Facilities Per 10,000 population



Note:

Primary care facility density is calculated using the number of primary care facilities (defined as facilities classified as health centres (level 1-4) or Dhamanaveshi by the Ministry of Health at the time of the Survey) as the numerator and by the population of each geographic area (Male city and atolls based) per 10,000 population. The benchmark set in this chart is set for 8 facilities per 10,000 population. National benchmark needs to be set that is more appropriate for geographic context of the archipelago of Maldives.

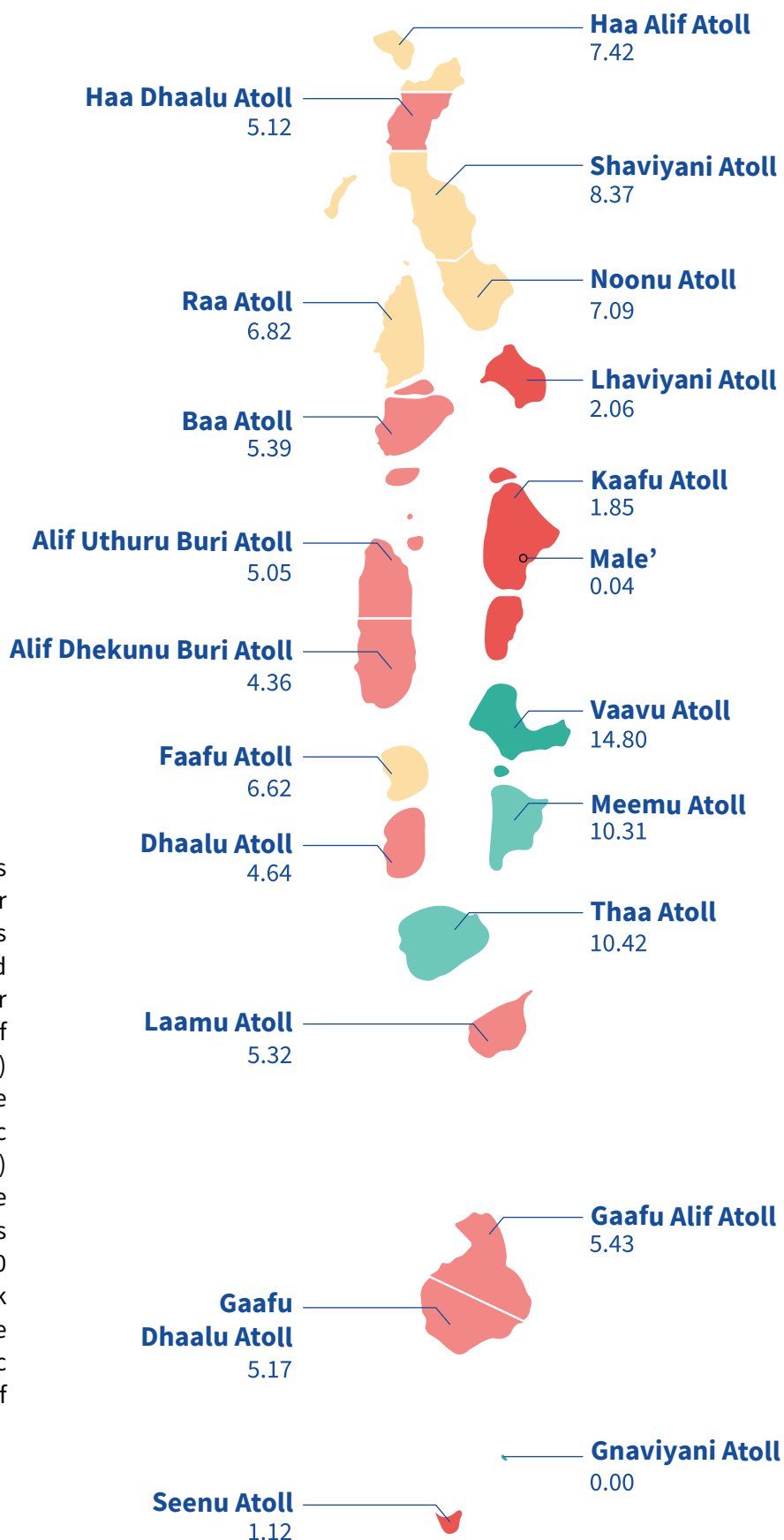


Fig. 4. Number of primary health care facilities per 10 000 population by atoll

Health Facility
Density Score

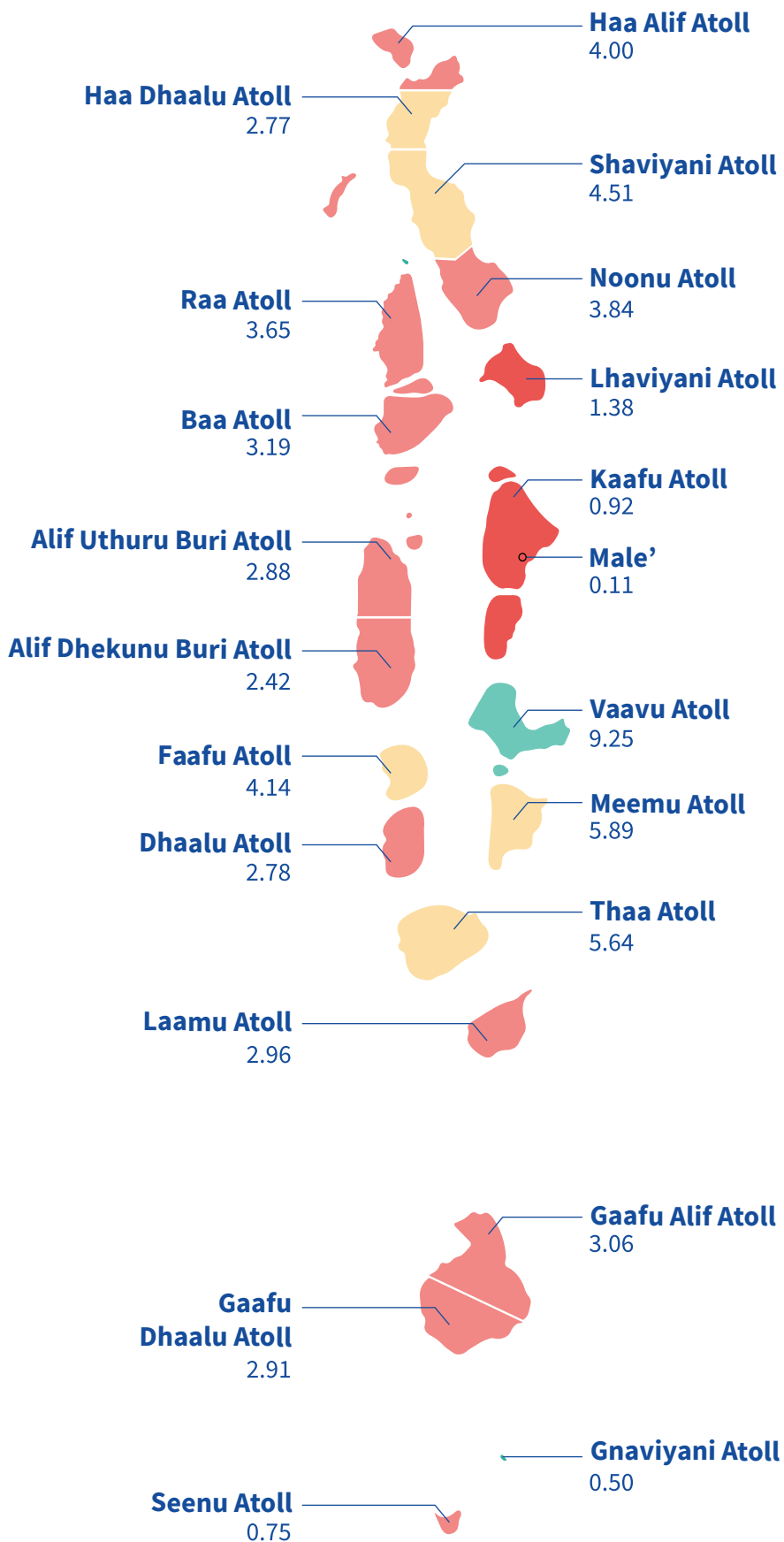


Fig. 5. Health facility density by atoll

1.1.2. Beds and units

1.1.2.1. Total number of inpatient beds

Table 3. (1.1.2.1). Total number of inpatient beds by atoll and facility type

	Actual inpatient beds	Official authorized inpatient beds	Dedicated maternity beds	n
National	1914	2563	283	188
Atoll				
MLE	441	476	47	5
HA Atoll	105	126	12	14
HDH Atoll	117	249	19	13
SH Atoll	111	122	11	14
N Atoll	73	85	16	13
R Atoll	140	249	21	15
B Atoll	77	97	7	13
LH Atoll	56	57	11	4
K Atoll	60	95	4	9
AA Atoll	46	47	10	8
ADH Atoll	70	84	8	10
V Atoll	19	21	0	5
M Atoll	57	71	9	8
F Atoll	32	42	5	5
DH Atoll	40	57	7	6
TH Atoll	101	110	15	13
L Atoll	56	113	8	10
GA Atoll	60	79	6	9
GDH Atoll	113	189	27	9
GN Atoll	33	50	6	1
S Atoll	107	144	34	4
Facility type				
Referral hospital	364	399	35	1
Hospital L3	286	428	63	6
Hospital L2	203	255	66	9
Hospital L1	84	96	13	7
Health centre L1	201	297	20	57
Health centre L2	227	275	14	45
Health centre L3	387	564	55	49
Health centre L4	137	224	17	13
Other	25	25	0	1

Records show that in terms of official authorized inpatient beds, most of the atolls have more than the required number of beds. While the number of official authorized beds for Malé is 476, it has 441 beds to serve the total population. It is noticeable that HA, V, F, Dh, Th, L and GA atolls have fewer inpatient beds, when compared with the authorized number. The number of allocated maternal beds ranges from 4 to 47 across the atolls and Malé, with the greatest number of maternity beds allocated in Malé. No beds are allocated for maternity admissions in V Atoll. The number of inpatient beds per 10 000 population is 33; the density is higher than the national average in almost all atolls except in Kaafu Atoll and Malé (see Fig. 6 below).

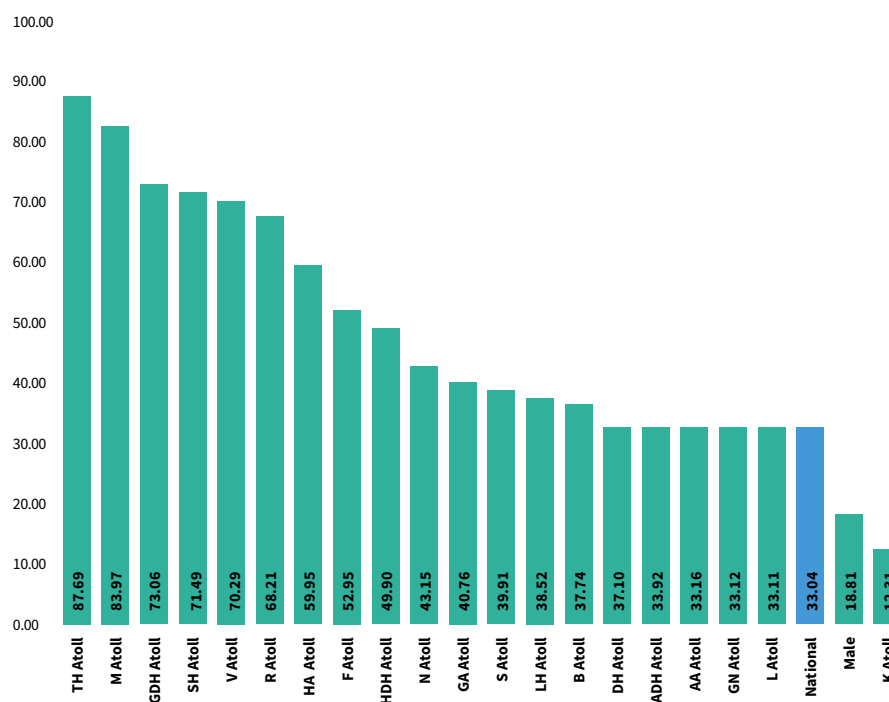


Fig. 6. Number of inpatient beds per 10 000 population by atoll

1.1.2.3 Speciality units/beds – isolation beds

Table 4. (1.1.2.3) Specialty units/beds – isolation beds by atoll and facility type

	Dedicated isolation beds	n
National	13%	109
Atoll		
MLE	67%	3
HA Atoll	20%	5
HDH Atoll	17%	6
SH Atoll	20%	5
N Atoll	0%	4
R Atoll	0%	7
B Atoll	0%	8
LH Atoll	25%	4
K Atoll	0%	6
AA Atoll	0%	3
ADH Atoll	10%	10
V Atoll	0%	1
M Atoll	50%	4
F Atoll	0%	5
DH Atoll	0%	6
TH Atoll	0%	13
L Atoll	20%	5
GA Atoll	20%	5
GDH Atoll	25%	4
GN Atoll	100%	1
S Atoll	25%	4
Facility type		
Referral hospital	100%	1
Hospital L3	67%	6
Hospital L2	56%	9
Hospital L1	33%	6
Health centre L1	0%	15
Health centre L2	0%	15
Health centre L3	4%	46
Health centre L4	0%	10
Other	0%	1

The proportion of facilities offering isolation beds is recorded at 13% at the national level. Allocation of beds for isolation is recorded at 67% in Malé and at 100% in GN Atoll. Atolls N, R, B, AA, F, DH and TH do not offer isolation facilities. At Level 3 hospitals, the percentage of isolation beds is the highest – 67%, while it is recorded at 56% for Level 2 hospitals and 33% for Level 1 hospitals.

1.1.3.1 Total beds by ward type

Table 5. (1.1.3.1) Total beds by ward type by atoll and facility type

	Medical ward (adult)	Surgical ward (adult)	Combined medical/ surgical ward (adult)	Paediatric combined medical/surgical ward	Obstetric/maternity ward	Combined obstetric/ gynaecology ward	Newborn ward	Mental health ward	Paediatric and adult intensive care ward	Combined medical, surgical, gynaecology, obstetric and paediatric ward	n
National	85	62	417	103	48	210	101	9	72	692	188
Atoll											
MLE	37	42	20	43	48	69	95	9	48	163	5
HA Atoll	0	0	7	0	0	10	0	0	0	53	14
HDH Atoll	15	0	36	15	0	15	3	0	4	38	13
SH Atoll	0	0	39	0	0	6	0	0	0	0	14
N Atoll	0	0	14	0	0	6	0	0	0	0	13
R Atoll	12	5	11	9	0	12	0	0	3	75	15
B Atoll	0	0	20	0	0	4	0	0	0	46	13
LH Atoll	0	0	26	0	0	8	0	0	0	33	4
K Atoll	0	0	16	6	0	0	0	0	0	43	9
AA Atoll	0	0	0	0	0	9	0	0	0	27	8
ADH Atoll	0	0	0	0	0	8	0	0	0	45	10
V Atoll	0	0	1	0	0	0	0	0	0	12	5
M Atoll	0	0	0	0	0	4	0	0	1	16	8
F Atoll	0	0	27	0	0	5	0	0	2	16	5
DH Atoll	0	0	8	0	0	6	0	0	0	32	6
TH Atoll	0	0	59	8	0	6	0	0	0	30	13
L Atoll	9	9	16	7	0	8	0	0	4	32	10
GA Atoll	0	0	30	0	0	6	0	0	0	14	9
GDH Atoll	0	0	57	10	0	13	0	0	0	10	9
GN Atoll	0	0	18	0	0	6	0	0	2	0	1
S Atoll	12	6	12	5	0	9	3	0	8	7	4
Facility type											
Referral hospital	31	31	0	32	48	60	95	9	48	154	1
Hospital L3	50	27	23	45	0	56	6	0	19	0	6
Hospital L2	0	0	80	8	0	51	0	0	2	47	9
Hospital L1	0	0	8	0	0	26	0	0	3	71	7
Health centre L1	0	0	6	0	0	3	0	0	0	127	57
Health centre L2	4	4	80	0	0	1	0	0	0	96	45
Health centre L3	0	0	160	12	0	4	0	0	0	154	49
Health centre L4	0	0	40	1	0	9	0	0	0	43	13
Other	0	0	20	5	0	0	0	0	0	0	1

Most of the health facilities have ward beds that are combined. Among the 188 facilities, there are 692 beds in wards not designated for a particular service. This is observed both in Malé and the atolls (185 facilities and 529 beds). This is due to having a large number of private rooms at Malé facilities. The health centres have the majority of the combined ward beds (420 beds), although hospitals at the atoll level also have several combined ward beds (272). None of the health centres has separate wards for maternity, newborn or mental health or intensive care wards. The results show that there are no beds for mental health admissions in the atolls, at any of the 183 facilities. Nearly half (325 out of 692) of the beds are at 54 facilities; the management is not under the Ministry of Health but under management boards. These include all newborn beds, mental health beds, and separate medical and surgical ward beds.

These findings are linked to the organization of the public health system and the levels of services, health facility types and their locations in the country. For instance, the health centres (except one urban centre in Malé) are located in the atolls and usually, each of these has a single ward with inpatient beds for all specialities.

1.1.4.1. Building accessibility for persons with mobility limitations: OPD

Table 6. (1.1.4.1) Building accessibility for persons with mobility limitations: OPD by atoll and facility type

	At least one area where services can be provided to a person in a wheelchair	Grab bars on walls to help people with problems walking to access services	At least one functional toilet for patients with disability and handwashing materials within 5 metres of the toilet	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	93%	1%	2%	32%	1%	187
Atoll						
MLE	100%	20%	60%	60%	20%	5
HA Atoll	93%	0%	0%	31%	0%	14
HDH Atoll	100%	0%	0%	33%	0%	12
SH Atoll	86%	0%	0%	29%	0%	14
N Atoll	77%	0%	0%	26%	0%	13
R Atoll	93%	0%	0%	31%	0%	15
B Atoll	100%	8%	0%	36%	0%	13
LH Atoll	75%	0%	0%	25%	0%	4
K Atoll	89%	0%	0%	30%	0%	9
AA Atoll	100%	0%	0%	33%	0%	8
ADH Atoll	100%	0%	0%	33%	0%	10
V Atoll	100%	0%	0%	33%	0%	5
M Atoll	88%	0%	0%	29%	0%	8
F Atoll	100%	0%	0%	33%	0%	5
DH Atoll	100%	0%	0%	33%	0%	6
TH Atoll	100%	0%	0%	33%	0%	13
L Atoll	90%	0%	0%	30%	0%	10
GA Atoll	100%	0%	0%	33%	0%	9
GDH Atoll	78%	0%	0%	26%	0%	9
GN Atoll	100%	0%	0%	33%	0%	1
S Atoll	100%	0%	25%	42%	0%	4
Facility type						
Referral hospital	100%	100%	100%	100%	100%	1
Hospital L3	100%	0%	33%	44%	0%	6
Hospital L2	100%	0%	0%	33%	0%	9
Hospital L1	100%	14%	14%	43%	0%	7
Health centre L1	89%	0%	0%	30%	0%	57
Health centre L2	95%	0%	0%	32%	0%	44
Health centre L3	92%	0%	0%	31%	0%	49
Health centre L4	92%	0%	0%	31%	0%	13
Other	100%	0%	0%	33%	0%	1

National-level statistics show that 93% of the health facilities across the country have at least one area where services can be provided to a person in a wheelchair at OPD. However, there is almost no access to grab bars on walls to help people with mobility issues; only 1% have been reported at the national level. This access service is available only in Malé and B Atoll; it's negligible in the rest of the atolls. Similarly, only 2% of the facilities have at least one functional toilet for patients with disability and handwashing materials within 5 metres of the toilet in the OPD service area. This service is only available in Malé (60% of the facilities avail this service) and S Atoll.

As health facilities are frequented by persons with some form of functional difficulty, these need to have the necessary infrastructure and services that are accessible and available to them. These services need to be improved at the island level as well; with ageing, most people will be in need of such assistance.

1.1.4.2. Building accessibility for persons with mobility limitations: dental services

Table 7. (1.1.4.2) Building accessibility for persons with mobility limitations: dental services by atoll and facility type

	At least one area where services can be provided to a person in a wheelchair	Grab bars on walls to help people with problems walking to access services	At least one functional toilet for patients with disability and handwashing materials within 5 metres of the toilet	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	100%	5%	5%	37%	5%	21
Atoll						
MLE	100%	50%	50%	67%	50%	2
HA Atoll	100%	0%	0%	33%	0%	1
HDH Atoll	100%	0%	0%	33%	0%	1
SH Atoll	100%	0%	0%	33%	0%	1
N Atoll	100%	0%	0%	33%	0%	1
R Atoll	100%	0%	0%	33%	0%	2
B Atoll	100%	0%	0%	33%	0%	1
LH Atoll	100%	0%	0%	33%	0%	1
K Atoll	100%	0%	0%	33%	0%	1
ADH Atoll	100%	0%	0%	33%	0%	1
M Atoll	100%	0%	0%	33%	0%	1
F Atoll	100%	0%	0%	33%	0%	1
DH Atoll	100%	0%	0%	33%	0%	1
TH Atoll	100%	0%	0%	33%	0%	1
L Atoll	100%	0%	0%	33%	0%	1
GA Atoll	100%	0%	0%	33%	0%	1
GDH Atoll	100%	0%	0%	33%	0%	1
GN Atoll	100%	0%	0%	33%	0%	1
S Atoll	100%	0%	0%	33%	0%	1
Facility type						
Referral hospital	100%	100%	100%	100%	100%	1
Hospital L3	100%	0%	0%	33%	0%	6
Hospital L2	100%	0%	0%	33%	0%	9
Hospital L1	100%	0%	0%	33%	0%	3
Health centre L3	100%	0%	0%	33%	0%	1
Health centre L4	100%	0%	0%	33%	0%	1

The availability and accessibility of dental services for patients with disability show better results. All facilities with dental service areas have at least one area where services can be provided to a person in a wheelchair. The availability of grab bars on walls to help people, who find it difficult to walk, access services is recorded at 5% and this service is only available in Malé. However, it is important to note that not all health facilities have dental services established across the country. Access to toilet for persons with disability is again recorded at 5% and only available in Malé. The mean proportion of all items relevant to patients with disability stands at 37% at the national level and at 67% in Malé.

1.1.4.3. Building accessibility for persons with mobility limitations: physical therapy services

Table 8. (1.1.4.3) Building accessibility for persons with mobility limitations: physical therapy services by atoll and facility type

	At least one area where services can be provided to a person in a wheelchair	Grab bars on walls to help people with problems walking to access services	At least one functional toilet for patients with disability and handwashing materials within 5 metres of the toilet	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	100%	2%	5%	36%	2%	57
Atoll						
MLE	100%	25%	50%	58%	25%	4
HA Atoll	100%	0%	0%	33%	0%	1
HDH Atoll	100%	0%	0%	33%	0%	1
SH Atoll	100%	0%	0%	33%	0%	6
N Atoll	100%	0%	0%	33%	0%	3
R Atoll	100%	0%	0%	33%	0%	6
B Atoll	100%	0%	0%	33%	0%	10
LH Atoll	100%	0%	0%	33%	0%	1
K Atoll	100%	0%	0%	33%	0%	5
AA Atoll	100%	0%	0%	33%	0%	4
M Atoll	100%	0%	0%	33%	0%	4
F Atoll	100%	0%	0%	33%	0%	1
DH Atoll	100%	0%	0%	33%	0%	1
L Atoll	100%	0%	0%	33%	0%	1
GA Atoll	100%	0%	0%	33%	0%	4
GDH Atoll	100%	0%	0%	33%	0%	3
GN Atoll	100%	0%	0%	33%	0%	1
S Atoll	100%	0%	100%	67%	0%	1
Facility type						
Referral hospital	100%	100%	100%	100%	100%	1
Hospital L3	100%	0%	33%	44%	0%	6
Hospital L2	100%	0%	0%	33%	0%	4
Hospital L1	100%	0%	0%	33%	0%	4
Health centre L1	100%	0%	0%	33%	0%	18
Health centre L2	100%	0%	0%	33%	0%	11
Health centre L3	100%	0%	0%	33%	0%	9
Health centre L4	100%	0%	0%	33%	0%	3
Other	100%	0%	0%	33%	0%	1

All facilities with physical therapy service areas have at least one area where services can be provided to a person in a wheelchair. The availability of grab bars on walls to help people, who find it difficult to walk, to access services is recorded at 2% and this service is only available in Malé. Physical therapy service is rare and only available in Malé. Access to toilets for persons with disability is again recorded at 5% and this is only available in Malé. The mean proportion of all items relevant to patients with disability is recorded at 36% at the national level and at 58% in Malé.

1.1.4.4. Building accessibility for persons with mobility limitations: laboratory services

Table 9. (1.1.4.4) Building accessibility for persons with mobility limitations: laboratory services by atoll and facility type

	At least one area where services can be provided to a person in a wheelchair	Grab bars on walls to help people with problems walking to access services	At least one functional toilet for patients with disability and handwashing materials within 5 metres of the toilet	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	92%	0%	3%	32%	0%	110
Atoll						
MLE	100%	0%	40%	47%	0%	5
HA Atoll	89%	0%	0%	30%	0%	9
HDH Atoll	86%	0%	0%	29%	0%	7
SH Atoll	89%	0%	0%	30%	0%	9
N Atoll	100%	0%	0%	33%	0%	5
R Atoll	100%	0%	0%	33%	0%	10
B Atoll	86%	0%	0%	29%	0%	7
LH Atoll	100%	0%	0%	33%	0%	3
K Atoll	100%	0%	0%	33%	0%	5
AA Atoll	100%	0%	0%	33%	0%	4
ADH Atoll	80%	0%	0%	27%	0%	5
V Atoll	100%	0%	0%	33%	0%	1
M Atoll	50%	0%	0%	17%	0%	4
F Atoll	100%	0%	0%	33%	0%	4
DH Atoll	100%	0%	0%	33%	0%	3
TH Atoll	86%	0%	0%	29%	0%	7
L Atoll	100%	0%	0%	33%	0%	6
GA Atoll	100%	0%	0%	33%	0%	5
GDH Atoll	83%	0%	0%	28%	0%	6
GN Atoll	100%	0%	0%	33%	0%	1
S Atoll	100%	0%	25%	42%	0%	4
Facility type						
Referral hospital	100%	0%	0%	33%	0%	1
Hospital L3	100%	0%	33%	44%	0%	6
Hospital L2	100%	0%	0%	33%	0%	9
Hospital L1	100%	0%	14%	38%	0%	7
Health centre L1	100%	0%	0%	33%	0%	8
Health centre L2	91%	0%	0%	30%	0%	23
Health centre L3	87%	0%	0%	29%	0%	45
Health centre L4	90%	0%	0%	30%	0%	10
Other	100%	0%	0%	33%	0%	1

In terms of accessibility to facilities with laboratory services, 92% of the facilities have at least one area where services can be provided to a person in a wheelchair. At the national level, patients with disability cannot use grab bars on walls at any laboratories in health facilities. The availability of toilets exclusively for patients with disability at laboratory facilities stands at 3% across the country. The mean proportion of all items at laboratory facilities is recorded at a low 32%.

1.1.4.5. Building accessibility for persons with mobility limitations: pharmacy services

Table 10. (1.1.4.5) Building accessibility for persons with mobility limitations: pharmacy services by atoll and facility type

	At least one area where services can be provided to a person in a wheelchair	Grab bars on walls to help people with problems walking to access services	At least one functional toilet for patients with disability and handwashing materials within 5 metres of the toilet	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	38%	1%	4%	14%	0%	144
Atoll						
MLE	100%	0%	0%	33%	0%	1
HA Atoll	21%	0%	0%	7%	0%	14
HDH Atoll	23%	0%	0%	8%	0%	13
SH Atoll	17%	0%	0%	6%	0%	12
N Atoll	15%	8%	0%	8%	0%	13
R Atoll	27%	0%	0%	9%	0%	15
B Atoll	60%	0%	40%	33%	0%	10
LH Atoll	50%	0%	0%	17%	0%	2
K Atoll	20%	0%	0%	7%	0%	5
AA Atoll	86%	0%	0%	29%	0%	7
ADH Atoll	71%	0%	0%	24%	0%	7
V Atoll	50%	0%	0%	17%	0%	4
M Atoll	33%	0%	0%	11%	0%	6
F Atoll	20%	0%	0%	7%	0%	5
TH Atoll	57%	0%	14%	24%	0%	7
L Atoll	0%	0%	0%	0%	0%	2
GA Atoll	88%	0%	0%	29%	0%	8
GDH Atoll	33%	0%	0%	11%	0%	9
GN Atoll	100%	0%	0%	33%	0%	1
S Atoll	33%	0%	33%	22%	0%	3
Facility type						
Hospital L3	80%	0%	20%	33%	0%	5
Hospital L2	50%	17%	0%	22%	0%	6
Hospital L1	43%	0%	14%	19%	0%	7
Health centre L1	38%	0%	5%	14%	0%	42
Health centre L2	39%	0%	3%	14%	0%	36
Health centre L3	24%	0%	3%	9%	0%	38
Health centre L4	60%	0%	0%	20%	0%	10

The accessibility of facilities with pharmacy service areas is as low as 38%, having at least one area where services can be provided to a person in a wheelchair. Differences are seen between Malé (at 100%) and atolls in this regard. Accessibility for a person in a wheelchair to facilities with pharmacies is nil in L Atoll, and remarkably low in N (15%) and SH (17%) atolls. The availability of grab bars on walls of pharmacies is recorded at 1%. The proportion of pharmacies having toilets for patients with disability stands at 4% at the national level. This is because the majority of the pharmacies of health facilities are on the facility premises and hence, without toilets. The mean proportion of all items at facilities is as low as 14%.

1.1.4.6. Building accessibility for persons with mobility limitations: emergency services

Table 11. (1.1.4.6) Building accessibility for persons with mobility limitations: emergency services by atoll and facility type

	At least one area where services can be provided to a person in a wheelchair	Grab bars on walls to help people with problems walking to access services	At least one functional toilet for patients with disability and handwashing materials within 5 metres of the toilet	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	96%	1%	8%	35%	0%	129
Atoll						
MLE	100%	0%	67%	56%	0%	3
HA Atoll	91%	0%	0%	30%	0%	11
HDH Atoll	100%	25%	0%	42%	0%	4
SH Atoll	100%	0%	0%	33%	0%	13
N Atoll	90%	0%	0%	30%	0%	10
R Atoll	100%	0%	0%	33%	0%	10
B Atoll	100%	0%	0%	33%	0%	12
LH Atoll	100%	0%	0%	33%	0%	3
K Atoll	100%	0%	0%	33%	0%	7
AA Atoll	100%	0%	0%	33%	0%	4
ADH Atoll	100%	0%	0%	33%	0%	6
V Atoll	100%	0%	0%	33%	0%	5
M Atoll	100%	0%	0%	33%	0%	7
F Atoll	100%	0%	0%	33%	0%	1
DH Atoll	100%	0%	20%	40%	0%	5
TH Atoll	88%	0%	50%	46%	0%	8
L Atoll	100%	0%	100%	67%	0%	2
GA Atoll	88%	0%	0%	29%	0%	8
GDH Atoll	83%	0%	0%	28%	0%	6
S Atoll	100%	0%	25%	42%	0%	4
Facility type					0%	
Referral hospital	100%	0%	0%	33%		1
Hospital L3	100%	0%	50%	50%	0%	6
Hospital L2	100%	0%	14%	38%	0%	7
Hospital L1	100%	0%	17%	39%	0%	6
Health centre L1	98%	0%	0%	32%	0%	40
Health centre L2	88%	4%	0%	31%	0%	26
Health centre L3	97%	0%	14%	37%	0%	37
Health centre L4	100%	0%	0%	33%	0%	6

The proportion of facilities with emergency areas having at least one area where services can be provided to a person in a wheelchair is recorded at 96% for the country. HA, TH, GA and GDH atolls have been noticed since most of the atolls are yet to offer such access for persons with disability. Access to grab bars in emergency service areas for people with mobility limitations is recorded at 1% at the national level and only found in HDH Atoll. Availability of toilets for patients with disability stands at 8%.

1.1.4.7. Building accessibility for persons with mobility limitations: admissions service

Table 12. (1.1.4.7) Building accessibility for persons with mobility limitations: admissions service by atoll and facility type

	At least one area where services can be provided to a person in a wheelchair	Grab bars on walls to help people with problems walking to access services	At least one functional toilet for patients with disability and handwashing materials within 5 metres of the toilet	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	95%	1%	1%	32%	1%	150
Atoll						
MLE	100%	33%	33%	56%	33%	3
HA Atoll	100%	0%	0%	33%	0%	7
HDH Atoll	100%	0%	0%	33%	0%	13
SH Atoll	92%	0%	0%	31%	0%	13
N Atoll	92%	0%	0%	31%	0%	12
R Atoll	100%	0%	0%	33%	0%	13
B Atoll	100%	0%	0%	33%	0%	9
LH Atoll	75%	0%	0%	25%	0%	4
K Atoll	100%	0%	0%	33%	0%	5
AA Atoll	100%	0%	0%	33%	0%	8
ADH Atoll	89%	0%	0%	30%	0%	9
V Atoll	100%	0%	0%	33%	0%	3
M Atoll	100%	0%	0%	33%	0%	2
F Atoll	100%	0%	0%	33%	0%	5
DH Atoll	100%	0%	0%	33%	0%	3
TH Atoll	92%	0%	0%	31%	0%	12
L Atoll	75%	0%	0%	25%	0%	8
GA Atoll	100%	0%	0%	33%	0%	8
GDH Atoll	100%	0%	0%	33%	0%	8
GN Atoll	100%	0%	0%	33%	0%	1
S Atoll	100%	0%	25%	42%	0%	4
Facility type						
Referral hospital	100%	100%	100%	100%	100%	1
Hospital L3	100%	0%	17%	39%	0%	6
Hospital L2	100%	0%	0%	33%	0%	9
Hospital L1	100%	0%	0%	33%	0%	6
Health centre L1	93%	0%	0%	31%	0%	42
Health centre L2	94%	0%	0%	31%	0%	33
Health centre L3	95%	0%	0%	32%	0%	44
Health centre L4	100%	0%	0%	33%	0%	8
Other	100%	0%	0%	33%	0%	1

In terms of admission areas, 95% of the health facilities have at least one area where services can be provided to a person in a wheelchair. At the national level, only 1% of the health facilities have installed grab bars to help people with difficulty in walking in admission service areas. The presence of toilets for patients with disability in admission service areas is recorded at 1%. Overall, the mean proportion of all items at health facilities stands at 32%, i.e. one third of the health facilities are equipped with all items for patients with disability to help them access services in their admission service areas.

1.2 Health workforce

1.2.1.1. Core health workforce density

Table 13. (1.2.1.1) Core health workforce density by atoll

	Physicians per 10 000 population	Non-physician paramedical practitioners per 10 000 population	Nurses and nurse-midwives per 10 000 population	Midwives per 10 000 population	Public health workers per 10 000 population	Core health workforce density per 10 000 population	n
National	20.65	2.43	47.83	2.83	5.37	79.12	188
Atoll							
MLE	16.49	0.51	61.93	4.73	0.43	84.09	5
HA Atoll	11.99	0.00	64.51	0.57	9.71	86.78	14
HDH Atoll	34.55	0.00	58.86	0.00	11.94	105.35	13
SH Atoll	51.85	49.59	36.07	1.93	12.24	151.68	14
N Atoll	15.96	0.00	5.91	0.00	14.19	36.05	13
R Atoll	30.21	0.00	82.34	0.00	16.57	129.12	15
B Atoll	11.03	2.94	26.96	2.94	4.41	48.28	13
LH Atoll	19.95	0.00	28.89	22.70	4.81	76.35	4
K Atoll	2.05	0.00	10.87	0.00	4.72	17.64	9
AA Atoll	23.79	0.00	18.74	2.16	10.81	55.50	8
ADH Atoll	8.24	0.00	2.91	0.97	7.27	19.38	10
V Atoll	62.89	0.00	73.99	0.00	11.10	147.98	5
M Atoll	30.94	0.00	95.76	0.00	29.46	156.16	8
F Atoll	107.56	54.61	3.31	0.00	0.00	165.48	5
DH Atoll	21.33	0.00	55.65	0.00	16.69	93.67	6
TH Atoll	19.97	0.00	74.67	1.74	14.76	111.13	13
L Atoll	23.65	0.00	59.72	0.00	9.46	92.84	10
GA Atoll	16.98	0.00	42.11	0.00	8.15	67.25	9
GDH Atoll	75.65	8.41	50.43	1.94	10.35	146.77	9
GN Atoll	25.09	0.00	30.11	0.00	4.01	59.22	1
S Atoll	26.49	0.00	54.84	0.00	1.49	82.81	4

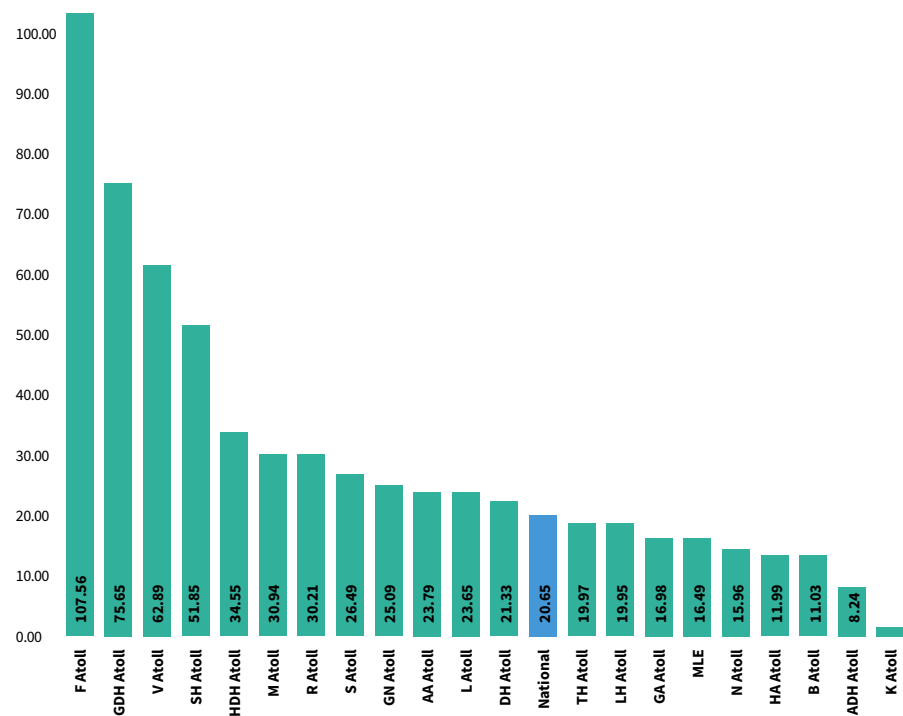


Fig. 7. Physicians per 10 000 population by atoll

For every 10 000 population, there are, currently, 21 physicians working in the country. The number of physicians (medical doctors, non-specialized) available per 10 000 population in Malé is below the national average. The lowest health workforce density is in K Atoll, perhaps due to its close proximity to Malé. On the other hand, health workforce numbers are higher in F and GDH atolls and varies as per the population size of these atolls. Overall, the presence of physicians is less, compared with the resident population living in bigger atolls.

Core Health Workforce
Density per 10,000
Population

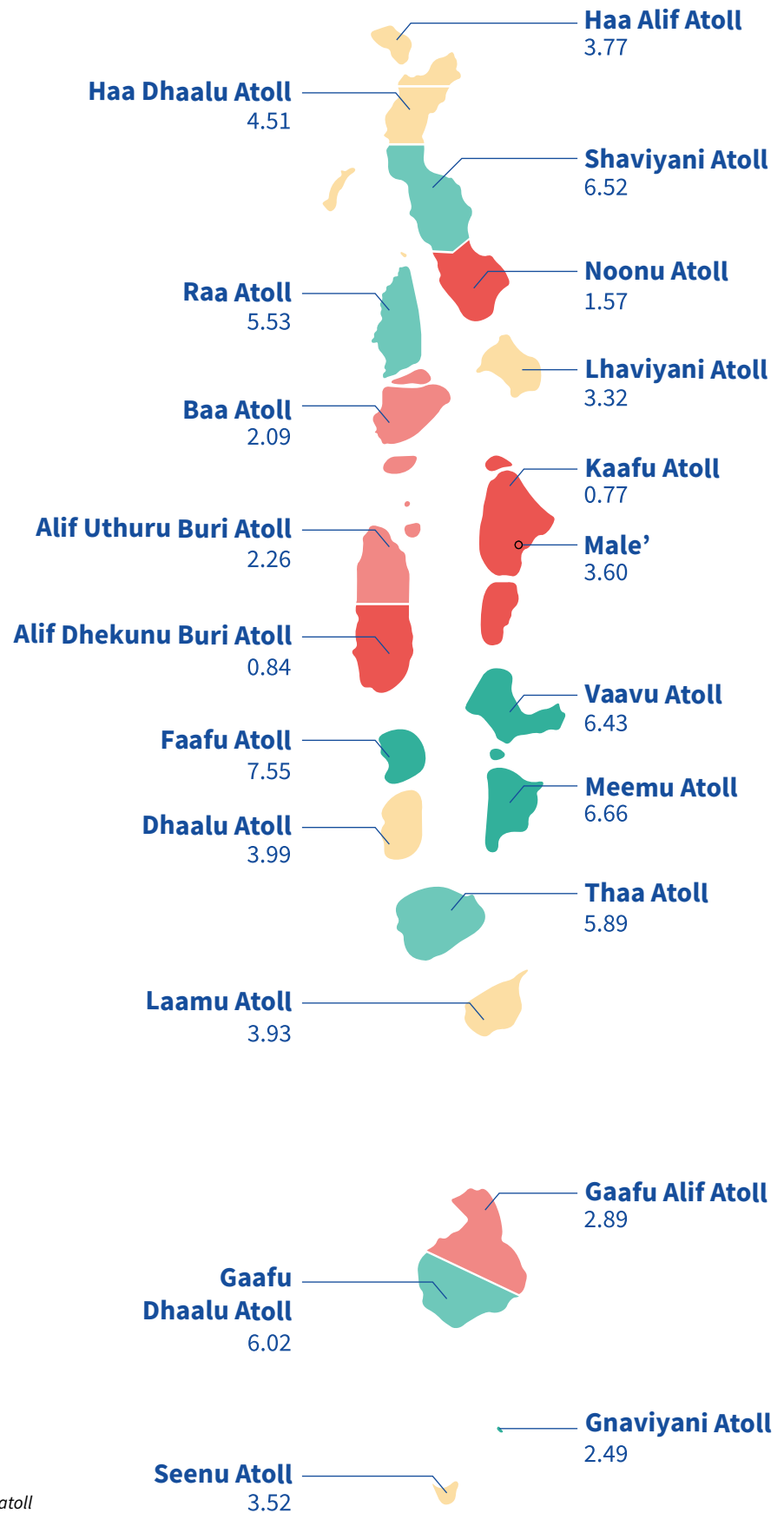
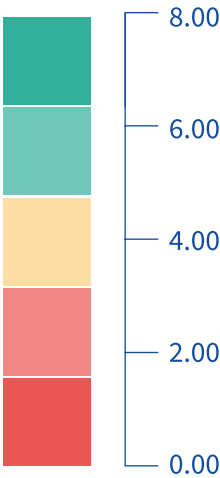


Fig. 8. Core health workforce density score by atoll

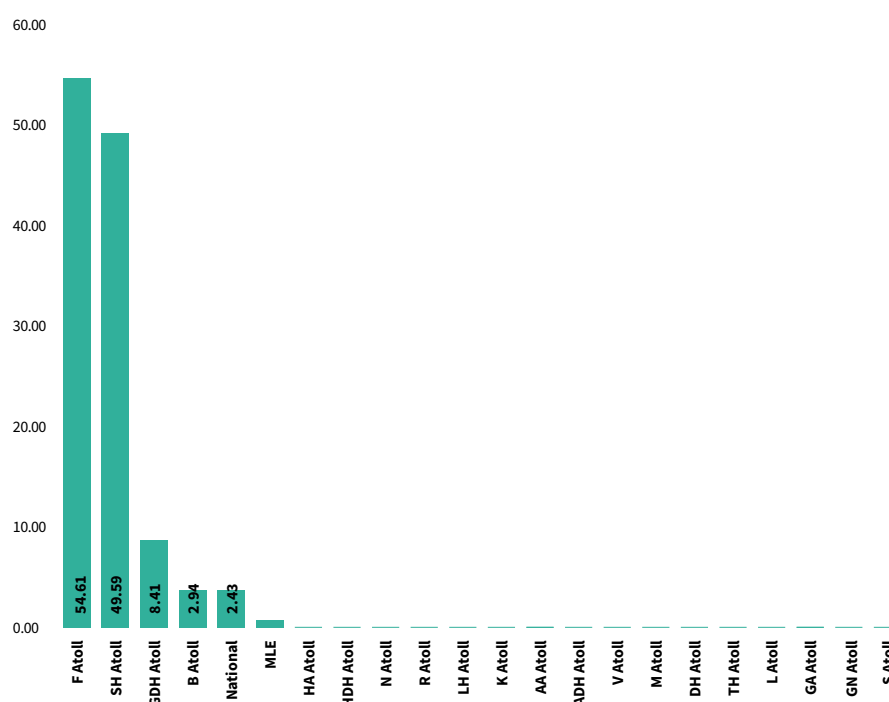


Fig. 9. Non-physician paramedical practitioners per 10 000 population by atoll

The presence of non-physician paramedical practitioners per 10 000 population is minimal in the country and is recorded at 2.43. Paramedical practitioners are defined as practitioners who have specific training in providing a limited package of general clinical services. The training usually covers two or three years and does not qualify them to be doctors. However, they can prescribe and manage patients, and are qualified to provide a higher level of curative care, compared with professional nurses. Malé does not even have one non-physician paramedical practitioner to attend to 10 000 people. Paramedical practitioners are seen in SH, B, F and GDH atolls.

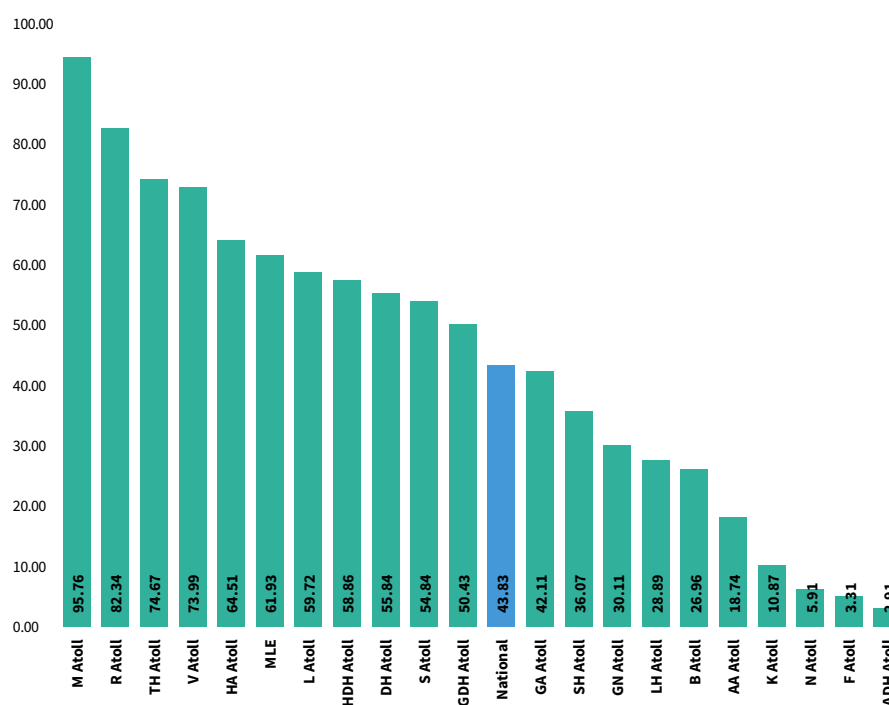


Fig. 10. Nurses and nurse-midwives per 10 000 population by atoll

The number of nurses (including nurse-midwives) as part of the core health workforce is higher, compared with the number of other health professionals. There are 47 nurses and nurse-midwives for 10 000 people. More than half of the atolls have nurses above the national requirement. In Malé, the nurse density is higher by 14 per 10 000 population, compared with the national average. Similarly, the number of nurses in atolls with regional hospitals is higher than the national average.

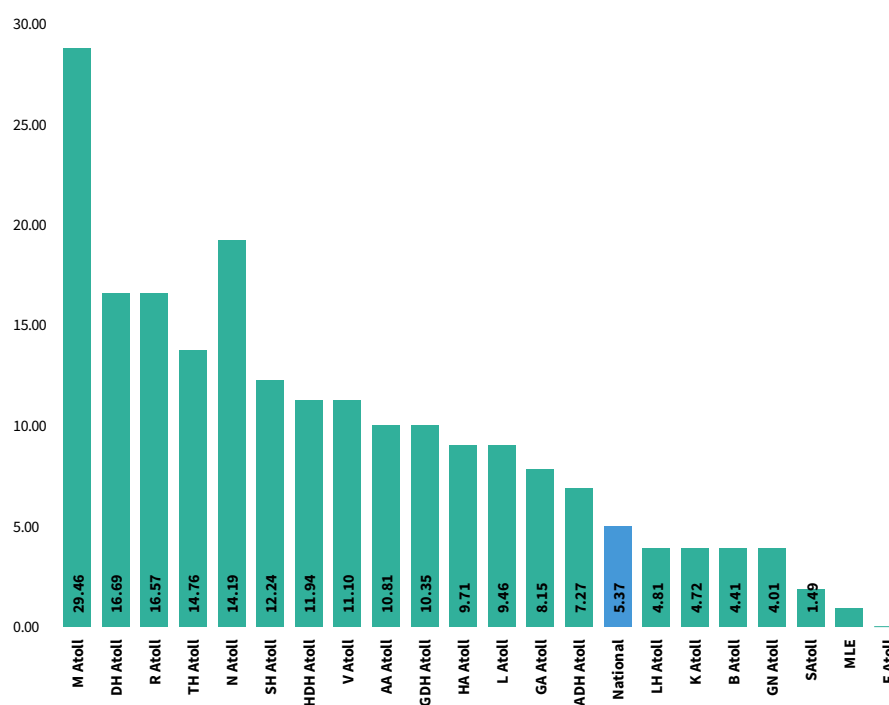


Fig. 11. Public health workers per 10 000 population by atoll

The number of public health workers (community health officers and family health officers) in the health workforce is much lower than the number of medical doctors and nurses. At the national level, the public health worker density is 5.34 per 10 000 population. The highest density is in M Atoll. This density is lowest in F Atoll, followed by Malé. S, GN, B, K and LH atolls show lower public health worker density, compared with the national average.

1.2.2 Specialist health workforce density

1.2.2.1. Specialist health workforce density

Table 14. (1.2.2.1) Specialist health workforce density by atoll

	Anaesthesiologists per 10 000 population	Obstetricians per 10 000 population	Paediatricians per 10 000 population	Surgeons per 10 000 population	n
National	0.64	0.76	0.78	0.60	188
Atoll					
MLE	0.68	0.81	0.77	0.60	5
HA Atoll	0.00	0.57	0.57	0.00	14
HDH Atoll	0.85	1.71	1.71	0.85	13
SH Atoll	0.64	0.64	1.29	1.29	14
N Atoll	0.00	0.59	0.59	0.00	13
R Atoll	0.97	1.46	1.46	0.97	15
B Atoll	0.00	0.49	0.98	0.49	13
LH Atoll	0.00	0.69	0.69	0.00	4
K Atoll	0.00	0.00	0.00	0.00	9
AA Atoll	2.16	0.72	0.72	1.44	8
ADH Atoll	0.00	0.48	0.00	0.00	10
V Atoll	0.00	3.70	3.70	0.00	5
M Atoll	1.47	1.47	1.47	1.47	8
F Atoll	0.00	1.65	0.00	1.65	5
DH Atoll	0.93	0.93	0.93	0.93	6
TH Atoll	0.87	0.87	0.87	0.87	13
L Atoll	0.59	0.59	0.59	1.18	10
GA Atoll	0.68	0.68	0.68	0.00	9
GDH Atoll	2.59	0.00	0.65	0.65	9
GN Atoll	2.01	1.00	1.00	2.01	1
S Atoll	0.75	1.12	1.49	1.12	4

The results show that the special health workforce density per 10 000 population is quite low. Nearly one specialist attends to 10 000 people in the country in the areas of anaesthesiology, obstetrics, paediatrics and surgery.

The presence of anaesthesiologists is above the national average in all atolls. The presence of obstetricians is below the national average in HA, SH, N, AA, L, GA and GDH atolls. No obstetrician is found in K Atoll and F Atoll.

The proportion of paediatricians in the majority of the atolls is below the national average. No paediatrician is found in K and F atolls.

Similarly, the results show there are no surgeons in HA, N, LH, K, ADH, V and GA atolls.

1.2.3. Allied health professionals' health workforce density

1.2.3.1. Allied health professionals' health workforce density

Table 15. (1.2.3.1) Allied health professionals' health workforce density by atoll

	Dentists per 10 000 population	Traditional and complementary medical professionals per 10 000 population	Laboratory technologists per 10 000 population	Biomedical engineers per 10 000 population	Qualified health service managers per 10 000 population	n
National	0.41	0.00	4.51	0.22	0.02	188
Atoll						
MLE	0.47	0.00	4.14	0.38	0.00	5
HA Atoll	0.00	0.00	6.00	0.00	0.00	14
HDH Atoll	0.85	0.00	9.81	0.43	0.00	13
SH Atoll	0.00	0.00	6.44	0.00	0.00	14
N Atoll	0.00	0.00	0.00	0.00	0.00	13
R Atoll	0.97	0.00	11.21	0.49	0.49	15
B Atoll	0.49	0.00	2.94	0.00	0.00	13
LH Atoll	0.69	0.00	4.81	0.00	0.00	4
K Atoll	0.00	0.00	1.03	0.00	0.00	9
AA Atoll	0.00	0.00	4.32	0.00	0.00	8
ADH Atoll	0.00	0.00	6.00	0.00	0.00	10
V Atoll	0.00	0.00	11.10	0.00	0.00	5
M Atoll	1.47	0.00	8.84	0.00	0.00	8
F Atoll	0.00	0.00	6.00	0.00	0.00	5
DH Atoll	0.93	0.00	10.20	0.00	0.00	6
TH Atoll	0.87	0.00	12.15	0.00	0.00	13
L Atoll	0.00	0.00	3.55	0.00	0.00	10
GA Atoll	0.00	0.00	6.11	0.00	0.00	9
GDH Atoll	1.29	0.00	5.17	0.00	0.00	9
GN Atoll	0.00	0.00	5.02	0.00	0.00	1
S Atoll	0.75	0.00	8.21	0.75	0.00	4

Among the allied health professionals, the proportion of laboratory technologists per 10 000 population is estimated at 4.5 at the national level. The highest density of laboratory technologists is found in TH Atoll, followed by R and V atolls. Other allied health professionals are comparatively fewer in number, insofar as the general population is concerned. Traditional medicine professionals are non-existent. There is less than one dentist per 10 000 people at the national level and more than one dentist per 10 000 population is present only in GDH and M atolls.

The number of biomedical engineers per 10 000 population is recorded at 0.22 and they are only available in Malé, HDH, R and S atolls. Almost all health facilities have no qualified health service managers, with only R Atoll having qualified managers.

1.3. Services available

1.3.1. Availability of outpatient and inpatient services

Table 16. (1.3.1.1) Availability of outpatient and inpatient services by atoll and facility type

	Any outpatient service	Any inpatient service	Any formal system for linking with community volunteers or civil society organizations	n
National	100%	60%	0%	188
Atoll				
MLE	100%	60%	0%	5
HA Atoll	100%	36%	0%	14
HDH Atoll	100%	46%	0%	13
SH Atoll	100%	36%	0%	14
N Atoll	100%	31%	0%	13
R Atoll	100%	47%	0%	15
B Atoll	100%	62%	0%	13
LH Atoll	100%	100%	0%	4
K Atoll	100%	67%	0%	9
AA Atoll	100%	75%	0%	8
ADH Atoll	100%	100%	0%	10
V Atoll	100%	20%	0%	5
M Atoll	100%	50%	0%	8
F Atoll	100%	100%	0%	5
DH Atoll	100%	100%	0%	6
TH Atoll	100%	100%	0%	13
L Atoll	100%	50%	0%	10
GA Atoll	100%	56%	0%	9
GDH Atoll	100%	56%	0%	9
GN Atoll	100%	100%	0%	1
S Atoll	100%	100%	0%	4
Facility type				
Referral hospital	100%	100%	0%	1
Hospital L3	100%	100%	0%	6
Hospital L2	100%	100%	0%	9
Hospital L1	100%	86%	0%	7
Health centre L1	100%	30%	0%	57
Health centre L2	100%	38%	0%	45
Health centre L3	100%	94%	0%	49
Health centre L4	100%	77%	0%	13
Other	100%	100%	0%	1

All health facilities in the country offer outpatient services. Inpatient services are offered, but only at some health facilities. Out of five health facilities in Malé, 60% offer inpatient services. It is expected that two of the facilities [Dhamana Veshi (urban primary health care centre) and blood services] provide only ambulatory services by design. All hospitals at Levels 3 and 2 offer both outpatient and inpatient services. The majority (86%) of the hospitals at Level 1 offer inpatient services. Health centres in the country usually provide outpatient services and only 30% of the health centres at Level 1 provide inpatient services. Health centres operating at Level 3 provide more inpatient services, compared with Level 1 or 2 health centres, and the proportion is recorded at 94% (out of 49 centres).

1.3.1.2. Outpatient service opening times**Among facilities offering outpatient services, availability of services by**

Table 17. (1.3.1.2) Outpatient service opening times by atoll and facility type

	Mean number of days per week	Median number of days per week	n
National	5.86	6.00	188
Atoll			
MLE	6.00	6.00	5
HA Atoll	5.57	5.00	14
HDH Atoll	5.69	6.00	13
SH Atoll	5.64	5.00	14
N Atoll	6.23	7.00	13
R Atoll	5.53	5.00	15
B Atoll	5.54	5.00	13
LH Atoll	6.75	7.00	4
K Atoll	6.00	6.00	9
AA Atoll	5.63	6.50	8
ADH Atoll	5.70	5.00	10
V Atoll	5.40	5.00	5
M Atoll	5.75	5.50	8
F Atoll	5.60	5.00	5
DH Atoll	5.50	5.00	6
TH Atoll	5.92	6.00	13
L Atoll	6.30	6.00	10
GA Atoll	6.56	7.00	9
GDH Atoll	6.44	7.00	9
GN Atoll	6.00	6.00	1
S Atoll	6.25	6.00	4
Facility type			
Referral hospital	6.00	6.00	1
Hospital L3	6.50	6.50	6
Hospital L2	6.78	7.00	9
Hospital L1	6.71	7.00	7
Health centre L1	5.40	5.00	57
Health centre L2	5.38	5.00	45
Health centre L3	6.31	6.00	49
Health centre L4	6.46	7.00	13
Other	6.00	6.00	1

On average, outpatient services are offered six days a week at almost all facilities. The facilities in Malé offer outpatient services that go beyond the national average in terms of hours. More hours of outpatient service are offered in almost half of the atolls, compared with the national average. Similarly, all hospitals in the country serve outpatients for more than six days a week. Health centres at Level 1 and Level 2 provide outpatient services five days a week. While the average number of working days may be skewed by outliers, reflection on the number of working days of OPDs by median shows similar results.

1.3.2.1. Reproductive, maternal, newborn, child and adolescent health

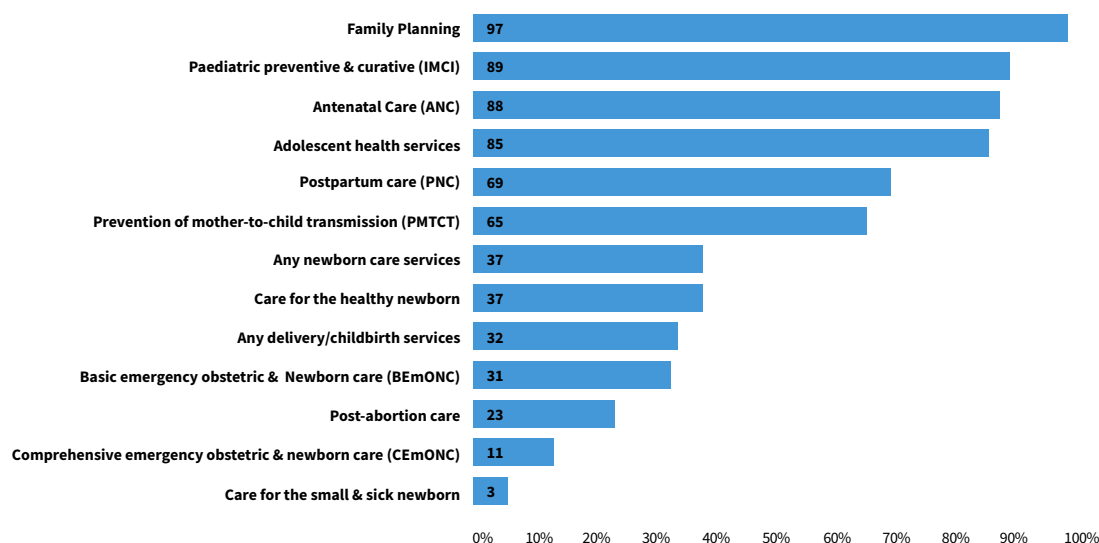


Fig. 12. Percentage of facilities offering Reproductive, maternal, newborn, child and adolescent health (RMNCAH) services

The services offered under RMNCAH vary by type. The most frequently offered service at health facilities involves family planning (97%). Paediatric preventive and curative services are offered at 89% of the facilities and antenatal care (ANC) at 88% of the facilities. Results show that 15% of the health facilities do not provide any adolescent health service.

Services that are also important but least offered include care for the health of the newborn, any delivery/childbirth service, and basic emergency obstetric and newborn care (BEmONC).

1.3.2.2. Immunization

Almost all facilities provide vaccination (99%) to infants, adolescents and adults.

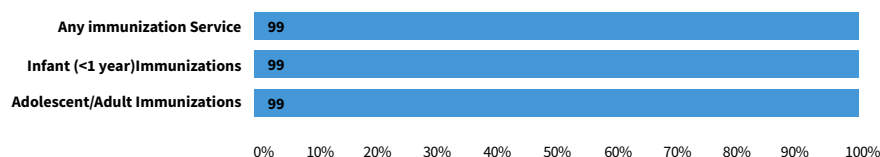


Fig. 13. Percentage of facilities offering immunization services

1.3.2.3. Communicable diseases

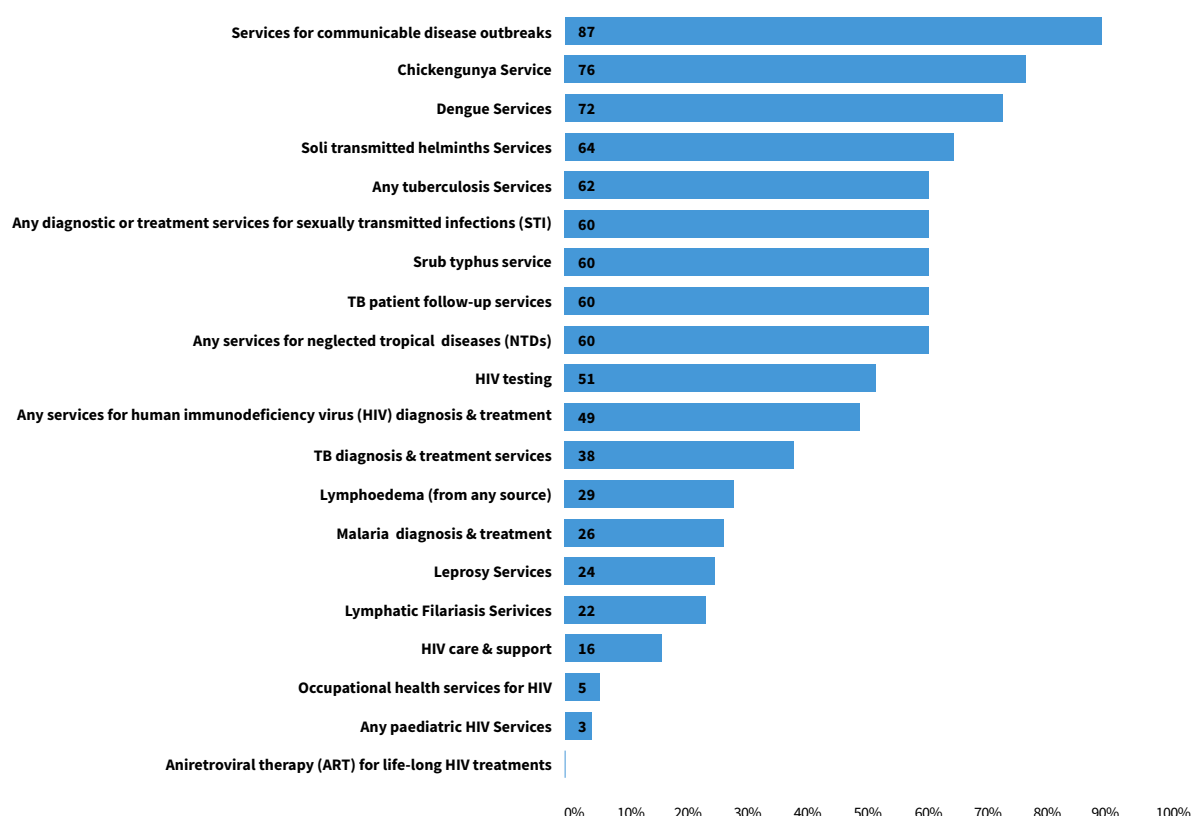


Fig. 14. Percentage of facilities offering communicable diseases services

The services offered with regard to communicable diseases show that 87% of the health facilities are prepared with services needed for a communicable disease outbreak. Almost two thirds of the health facilities provide services for chikungunya and dengue fever. Least-offered services at health facilities with regard to communicable diseases include support services related to HIV. The prevalence of HIV is low in the country; therefore, services regarding this are expected to be fewer. Treatment services for other communicable diseases, such as malaria, tuberculosis (TB) and leprosy, are minimal. This is explained by the fact that malaria has been eliminated from the country and with low leprosy prevalence, the disease is no longer regarded as a public health burden, and the country is moving towards zero leprosy. The low level of TB services needs attention as the country is embarking on the “End TB” goal by 2025.

1.3.2.4. Noncommunicable diseases

The results show that most of the health facilities provide any of the chronic noncommunicable disease (NCD) services (97%). Most of the health facilities can provide services in relation to common diseases within the population, such as diabetes (96%).

Similarly, services with regard to chronic respiratory diseases and cardiovascular diseases are offered at more than 80% of the facilities. Thalassaemia services are available at almost one in five health facilities. However, routine screening services for monitoring high blood pressure, increase in BMI, elevated cholesterol and plasma glucose are offered at less than 20% of the facilities. Tobacco cessation services are provided only at 4% of the facilities. Routine screening services for cancer are offered at less than 1% of the health facilities.

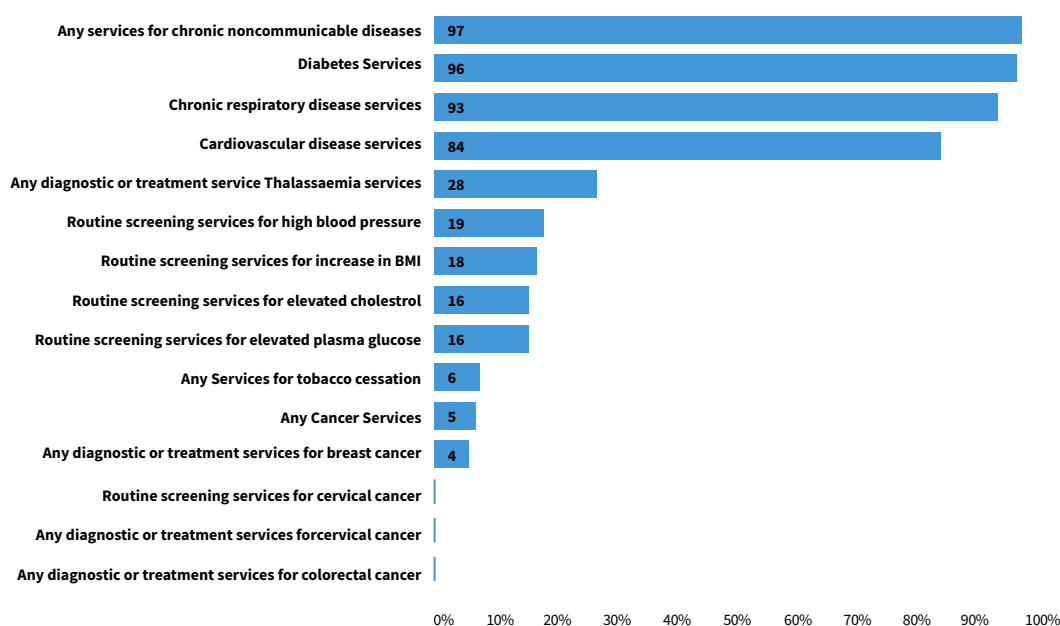


Fig. 15. Percentage of facilities offering non-Communicable diseases services

1.3.2.5. Mental health services

Table 18. (1.3.2.5) Percentage of facilities offering mental health services by atoll and facility type

	Services for mental health	Services for neurological disorders	n
National	59%	37%	188
Atoll			
MLE	80%	20%	5
HA Atoll	93%	93%	14
HDH Atoll	62%	46%	13
SH Atoll	71%	50%	14
N Atoll	85%	62%	13
R Atoll	80%	40%	15
B Atoll	38%	8%	13
LH Atoll	75%	25%	4
K Atoll	44%	22%	9
AA Atoll	63%	13%	8
ADH Atoll	40%	50%	10
V Atoll	20%	20%	5
M Atoll	25%	13%	8
F Atoll	60%	60%	5
DH Atoll	50%	17%	6
TH Atoll	46%	15%	13
L Atoll	40%	20%	10
GA Atoll	22%	22%	9
GDH Atoll	67%	56%	9
GN Atoll	100%	100%	1
S Atoll	100%	25%	4
Facility type			
Referral hospital	100%	100%	1
Hospital L3	100%	83%	6
Hospital L2	67%	56%	9
Hospital L1	57%	57%	7
Health centre L1	42%	21%	57
Health centre L2	60%	47%	45
Health centre L3	67%	35%	49
Health centre L4	69%	38%	13
Other	100%	0%	1

The demand for mental health services has increased over the past few years; thanks to the impact of COVID-19, this has risen further. However, only half of the health facilities (59%) are providing services for mental health. These include counselling services or specialist services. In Malé, 80% of the facilities offer mental health services and this is above the national average in terms of mental health service availability. The provision of mental health services at the facilities in the atolls vary from 20% in V Atoll to 93% in HA Atoll.

Services for neurological disorders are offered at 37% of the health facilities. Few facilities in Malé provide neurological disorder services and this is below the national average.

1.3.2.6. Service for victims of violence

The results show that 77% of the health facilities provide services for victims of violence. Services for victims of intimate partner/gender-based violence and those for youth violence (including violence amongst youth) are also within this range. Services for child maltreatment are provided at 70% of the health facilities.

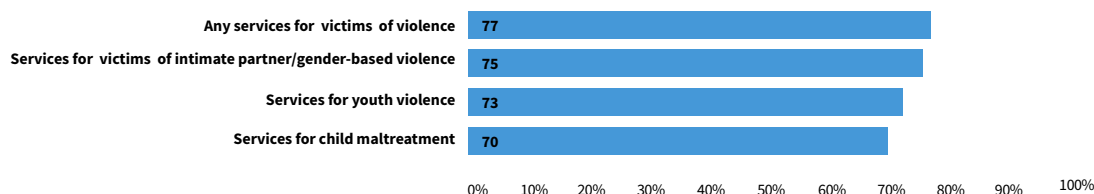


Fig. 16. Percentage of facilities offering services for victims of violence

1.3.2.7. Surgical services

Most of the health facilities offer services with regard to any kind of minor or major surgical services and minor surgical procedures. Less than 40% of the facilities are equipped with essential surgical procedures, anaesthesia services and other similar surgical services.

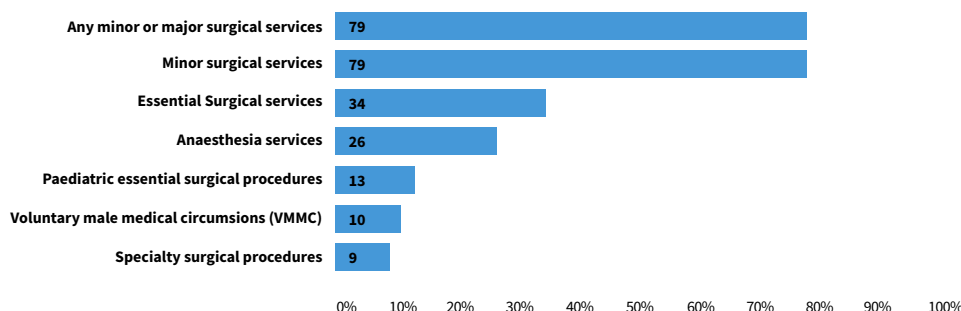


Fig. 17. Percentage of facilities offering surgical services

1.3.2.8. Emergency services

Regarding health facilities, 89% of these have any kind of emergency services as the first entry to the facility concerned. Only 36% of the facilities have 24-hour dedicated emergency units and 24% of the facilities have 24-hour essential resuscitation procedures in dedicated emergency units.

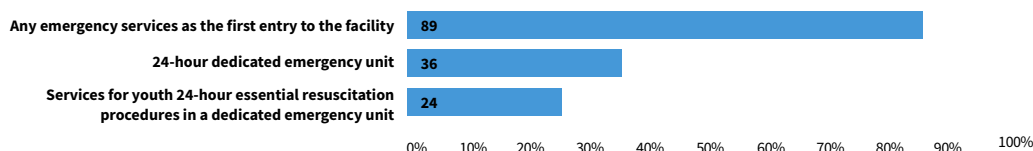


Fig. 18. Percentage of facilities offering emergency services

1.3.2.9. Rehabilitation care

Table 19. (1.3.2.9) Percentage of facilities offering rehabilitation care by atoll and facility type



National	12%	188
Atoll		
MLE	60%	5
HA Atoll	7%	14
HDH Atoll	8%	13
SH Atoll	7%	14
N Atoll	8%	13
R Atoll	7%	15
B Atoll	8%	13
LH Atoll	50%	4
K Atoll	22%	9
AA Atoll	13%	8
ADH Atoll	10%	10
V Atoll	0%	5
M Atoll	13%	8
F Atoll	20%	5
DH Atoll	0%	6
TH Atoll	15%	13
L Atoll	0%	10
GA Atoll	11%	9
GDH Atoll	11%	9
GN Atoll	100%	1
S Atoll	25%	4
Facility type		
Referral hospital	100%	1
Hospital L3	83%	6
Hospital L2	78%	9
Hospital L1	71%	7
Health centre L1	0%	57
Health centre L2	4%	45
Health centre L3	0%	49
Health centre L4	23%	13
Other	0%	1

Only a few health facilities are equipped to offer any rehabilitation care. Out of the 188 facilities in the country, only 12% provide rehabilitation care. Most of the rehabilitation care is provided in Malé. None of the health facilities in V, DH and L atolls provides any rehabilitation care.

Referral hospitals, such as the Indira Gandhi Memorial Hospital (IGMH), have rehabilitation care and 83% of the Level 3 hospitals have rehabilitation care services. Furthermore, 70% of the hospitals at L1 and L2 provide rehabilitation care while it is non-existent at the health centre level.

1.3.2.10. Specific speciality services

Specific speciality services are offered at only a few facilities. Any type of specialist physician is present at 15% of the facilities while other kinds of specialists are available at less than 13% of the facilities. Paediatrician care services are available at 13% of the health facilities. Gynaecology services are also available at very few facilities (12%). This low availability is observed because by the design of the health system, health centres are regarded as primary care centres and specialist services are not expected at the primary care level.

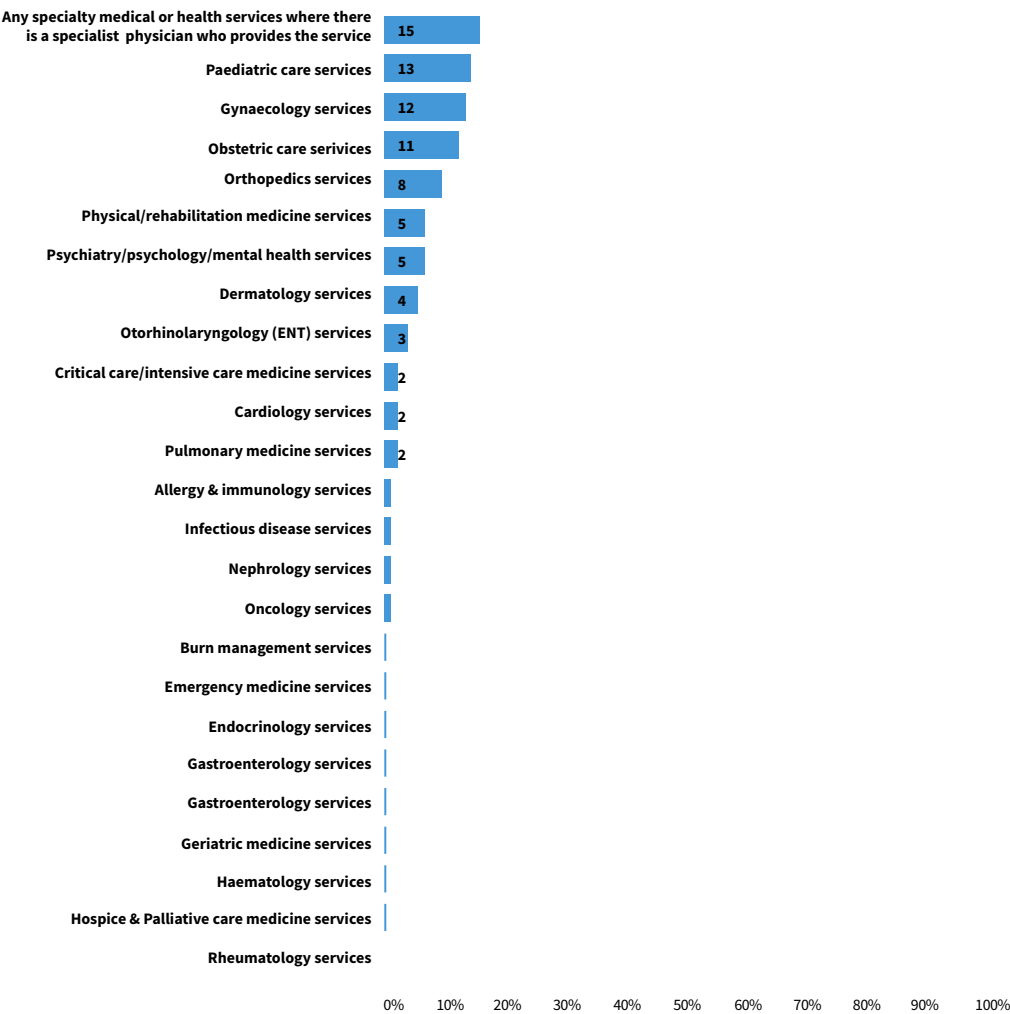


Fig. 19. Percentage of facilities offering specific specialty services

1.3.2.12. Inpatient care units

Inpatient adult medical care units are available in close to half of the health facilities. Similarly, at 48% of the health facilities, inpatient surgical care units have been established. However, services with regard to obstetrics/maternity are available at a limited number of facilities.

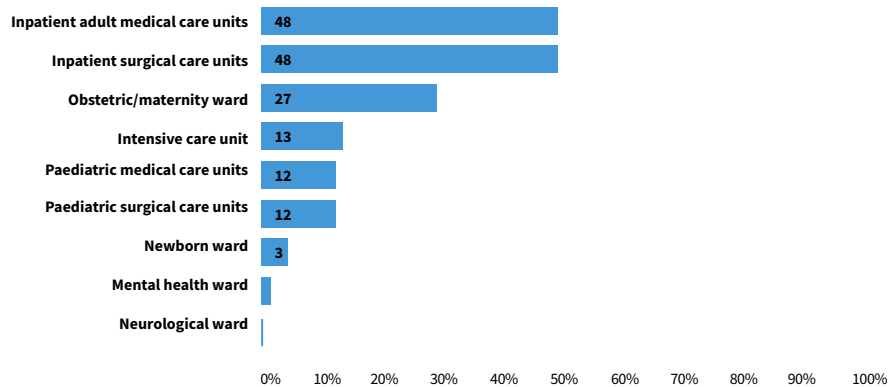


Fig. 20. Percentage of facilities offering inpatient care units

1.3.3.1. Imaging equipment and procedures

Table 20. (1.3.3.1) Percentage of facilities offering imaging equipment and procedures by atoll and facility type

	Ultrasound	X-ray	Mammogram	CT scan	MRI	Angiography/ catheterization	Fluoroscopy	Nuclear medicine	n
National	14%	12%	3%	4%	2%	1%	1%	0%	188
Atoll									
MLE	60%	40%	40%	40%	40%	20%	20%	0%	5
HA Atoll	7%	7%	0%	0%	0%	0%	0%	0%	14
HDH Atoll	8%	8%	8%	8%	8%	0%	0%	0%	13
SH Atoll	14%	7%	0%	0%	0%	0%	0%	0%	14
N Atoll	8%	8%	0%	0%	0%	0%	0%	0%	13
R Atoll	7%	7%	7%	7%	0%	0%	0%	0%	15
B Atoll	8%	8%	0%	0%	0%	0%	0%	0%	13
LH Atoll	50%	25%	0%	0%	0%	0%	0%	0%	4
K Atoll	11%	11%	0%	0%	0%	0%	0%	0%	9
AA Atoll	13%	13%	0%	0%	0%	0%	0%	0%	8
ADH Atoll	10%	10%	0%	0%	0%	0%	0%	0%	10
V Atoll	20%	20%	0%	0%	0%	0%	0%	0%	5
M Atoll	13%	13%	0%	0%	0%	0%	0%	0%	8
F Atoll	20%	20%	0%	0%	0%	0%	0%	0%	5
DH Atoll	17%	17%	0%	0%	0%	0%	0%	0%	6
TH Atoll	15%	8%	0%	0%	0%	0%	0%	0%	13
L Atoll	10%	10%	0%	10%	0%	0%	0%	0%	10
GA Atoll	0%	11%	0%	0%	0%	0%	0%	0%	9
GDH Atoll	22%	11%	0%	11%	0%	0%	0%	0%	9
GN Atoll	100%	100%	0%	0%	0%	0%	0%	0%	1
S Atoll	25%	25%	25%	25%	25%	0%	25%	0%	4
Facility type									
Referral hospital	100%	0%	100%	100%	100%	100%	100%	0%	1
Hospital L3	100%	100%	67%	100%	50%	0%	17%	0%	6
Hospital L2	78%	100%	0%	0%	0%	0%	0%	0%	9
Hospital L1	71%	86%	0%	0%	0%	0%	0%	0%	7
Health centre L1	2%	0%	0%	0%	0%	0%	0%	0%	57
Health centre L2	0%	0%	0%	0%	0%	0%	0%	0%	45
Health centre L3	4%	0%	0%	0%	0%	0%	0%	0%	49
Health centre L4	31%	8%	0%	0%	0%	0%	0%	0%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	1

At the 188 facilities, availability of technologies and procedures is limited; these are available only in a few places. This low availability is observed since by the design of the health system, health centres are regarded as primary care centres and radiological services are not expected at this level. Furthermore, 14% of the health facilities provide ultrasound services; 12% of the facilities have X-ray services while less than 1% of the facilities offer mammogram, CT scan and MRI. Mammogram services are only available in Malé, HDH, R and S atolls. MRI services are available only in three locations, namely Malé, HDH Atoll and S Atoll.

1.3.3.2. Medical equipment and procedures

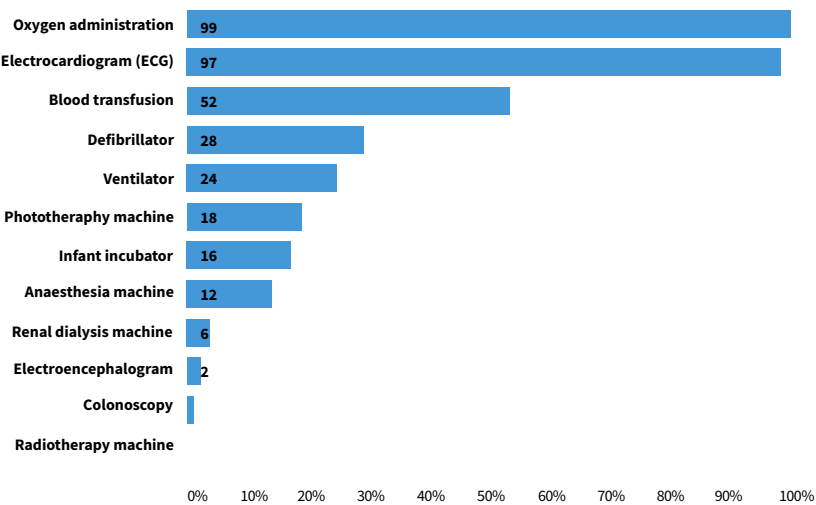


Fig. 21. Percentage of facilities offering medical equipment and procedures

All health facilities performed well in terms of oxygen administration. It was found that 97% of the health facilities conducted electrocardiogram (ECG). Almost half of the health facilities provide blood transfusion services. However, other essential medical equipment, such as defibrillator, are available at less than 30% of the facilities. Similarly, ventilators are available at 24% of the facilities. By design, in the Maldives health system, ventilators (including portable ventilators) are expected to be available at the atoll level. Phototherapy machines and infant incubators are available at less than 20% of the facilities. EEG is conducted at only 2% of the health facilities.

1.3.3.3. Laboratory diagnostic tests

Table 21. (1.3.3.3) Percentage of facilities offering laboratory diagnostic tests by atoll and facility type

	General micro-scropy	Culture and sensitivity	Diagnostics for fungal infections	Malaria diagnostic capacity	Syphilis RDT test	HIV diagnostic capacity	TB diagnostic test	Urine pregnancy test	Urine dipstick-protein	Urine dipstick-glucose	Urine ketone test	Haemo- globin	n
National	55%	11%	7%	28%	53%	55%	28%	57%	55%	56%	55%	54%	188
Atoll													
MLE	80%	40%	20%	40%	60%	80%	40%	60%	60%	60%	60%	80%	5
HA Atoll	64%	7%	0%	43%	57%	64%	36%	64%	64%	64%	64%	57%	14
HDH Atoll	54%	8%	8%	23%	54%	54%	23%	54%	54%	54%	54%	54%	13
SH Atoll	64%	14%	14%	50%	64%	64%	21%	64%	64%	64%	64%	57%	14
N Atoll	38%	0%	0%	15%	38%	38%	15%	38%	38%	38%	38%	38%	13
R Atoll	60%	7%	0%	40%	60%	60%	47%	60%	60%	60%	60%	60%	15
B Atoll	46%	15%	8%	23%	38%	46%	23%	46%	46%	46%	46%	46%	13
LH Atoll	50%	0%	25%	25%	50%	75%	50%	75%	75%	75%	50%	75%	4
K Atoll	44%	0%	0%	0%	44%	44%	11%	44%	44%	44%	44%	44%	9
AA Atoll	38%	0%	0%	13%	38%	38%	0%	50%	38%	38%	38%	50%	8
ADH Atoll	50%	10%	10%	20%	40%	50%	40%	50%	50%	50%	50%	40%	10
V Atoll	20%	0%	0%	20%	20%	20%	0%	60%	20%	20%	20%	20%	5
M Atoll	50%	0%	0%	50%	50%	50%	50%	50%	50%	50%	50%	38%	8
F Atoll	80%	20%	0%	0%	80%	80%	20%	80%	80%	80%	80%	80%	5
DH Atoll	50%	0%	0%	0%	50%	50%	17%	50%	50%	50%	50%	50%	6
TH Atoll	38%	8%	8%	23%	46%	54%	15%	54%	46%	54%	54%	46%	13
L Atoll	60%	10%	0%	0%	60%	60%	10%	60%	60%	60%	60%	60%	10
GA Atoll	56%	44%	33%	56%	56%	44%	33%	44%	56%	56%	56%	56%	9
GDH Atoll	78%	11%	22%	44%	78%	56%	56%	78%	78%	78%	78%	67%	9
GN Atoll	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	100%	25%	0%	50%	100%	100%	75%	100%	75%	100%	100%	100%	4
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	33%	83%	83%	100%	100%	100%	100%	100%	100%	100%	6
Hospital L2	100%	56%	22%	67%	100%	100%	100%	100%	100%	100%	100%	100%	9
Hospital L1	100%	43%	29%	43%	100%	100%	57%	100%	100%	100%	100%	100%	7
Health centre L1	11%	2%	2%	5%	11%	11%	2%	12%	11%	11%	11%	11%	57
Health centre L2	47%	2%	4%	13%	44%	47%	16%	53%	49%	49%	49%	44%	45
Health centre L3	88%	6%	6%	49%	86%	88%	37%	90%	88%	92%	90%	86%	49
Health centre L4	69%	0%	8%	31%	69%	69%	54%	69%	69%	69%	69%	69%	13
Other	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	100%	1

Around 55% of the facilities offer different laboratory diagnostic tests. More than half of the facilities carry out full blood count, and blood typing and grouping. The same goes for serum electrolyte tests and lipid profiling. All health facilities in GN and S atolls provide all types of laboratory diagnostic tests. Similarly, hospitals at Levels 1 and 2 offer all such laboratory testing. All health centres are not expected to be equipped with laboratory diagnostic testing equipment and services since laboratory services are established on the basis of the level of a health centre.

Volume 2 - General Services (Readiness)

2.1. Basic amenities

2.1.1. Basic amenities for the main service area of the facility

2.1.1.1. Basic amenities for the main service area of the facility

Table 22. (2.1.1.1) Percentage of facilities with basic amenities for the main service area of the facility by atoll and facility type

	Power	An improved water source	Access to improved sanitation facilities for clients	Auditory and visual privacy for patient consultations	Communication system	Computer with internet	Emergency transportation system for patients	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	100%	98%	99%	99%	97%	100%	90%	98%	84%	188
Atoll										
MLE	100%	100%	100%	100%	100%	100%	60%	94%	60%	5
HA Atoll	100%	100%	100%	100%	100%	100%	93%	99%	93%	14
HDH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	13
SH Atoll	100%	93%	100%	100%	100%	100%	93%	98%	86%	14
N Atoll	100%	100%	100%	100%	92%	100%	92%	98%	85%	13
R Atoll	100%	100%	100%	100%	100%	100%	87%	98%	87%	15
B Atoll	100%	92%	100%	100%	100%	100%	85%	97%	77%	13
LH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	4
K Atoll	100%	100%	100%	100%	89%	100%	100%	98%	89%	9
AA Atoll	100%	100%	100%	88%	100%	100%	100%	98%	88%	8
ADH Atoll	100%	100%	100%	100%	100%	100%	70%	96%	70%	10
V Atoll	100%	100%	100%	100%	80%	100%	40%	89%	40%	5
M Atoll	100%	88%	75%	100%	100%	100%	100%	95%	63%	8
F Atoll	100%	100%	100%	100%	80%	100%	100%	97%	80%	5
DH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	6
TH Atoll	100%	100%	100%	100%	85%	100%	100%	98%	85%	13
L Atoll	100%	100%	100%	100%	100%	100%	80%	97%	80%	10
GA Atoll	100%	89%	100%	100%	100%	100%	100%	98%	89%	9
GDH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	9
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	100%	100%	100%	100%	100%	100%	75%	96%	75%	4
Facility type										
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	100%	100%	100%	100%	100%	6
Hospital L2	100%	67%	100%	100%	100%	100%	100%	95%	67%	9
Hospital L1	100%	100%	100%	100%	100%	100%	100%	100%	100%	7
Health centre L1	100%	100%	98%	98%	98%	100%	82%	97%	79%	57
Health centre L2	100%	100%	98%	100%	91%	100%	100%	98%	89%	45
Health centre L3	100%	98%	100%	100%	98%	100%	92%	98%	88%	49
Health centre L4	100%	100%	100%	100%	100%	100%	77%	97%	77%	13
Other	100%	100%	100%	100%	100%	100%	0%	86%	0%	1
Managing authority										
Ministry of Health	100%	97%	99%	99%	96%	100%	90%	97%	81%	134
Governance Board	100%	100%	100%	100%	100%	100%	91%	99%	91%	54

Basic amenities are universal at all health facilities, with all facilities having power supply and computers with internet. The findings show that 97% of the facilities have communication systems; 98% of the facilities have improved sources of water; 99% have access to improved sanitation facilities for patients; and 99% have privacy during consultations. Emergency transport systems are also available at most (90%) of the facilities and at all hospitals. All basic amenities are available, on average, at 84% of the facilities and, on average, 97% of the amenities are available at the health facilities.

The reported results with regard to basic amenities include physical observation of the amenity; hence, some items are reported “not available” if the health facility concerned was not able to show the item at the time of the assessment. Hence, the results must be interpreted taking this into account. For example, one facility in each of SH, M and GA atolls was not reported as having improved water source as the source was not observed during the assessment.

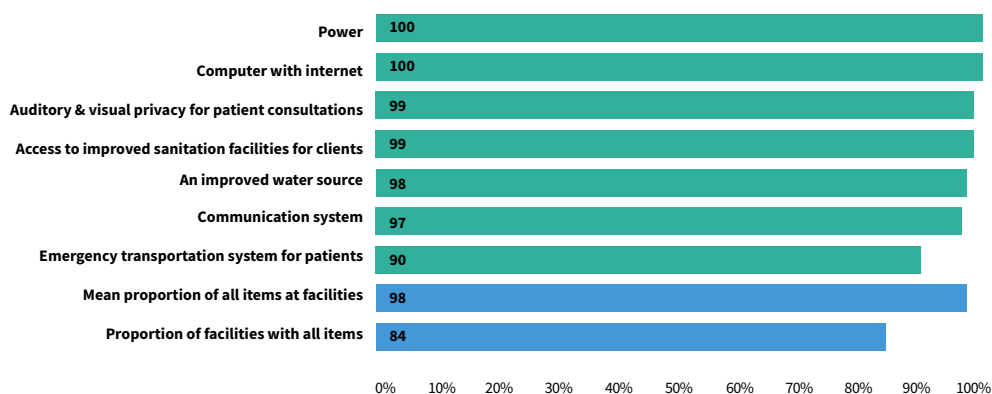


Fig. 22. Percentage of facilities with basic amenities for the main service area of the facility

Basic amenities for main service area of facility: Mean proportion of all items at facilities

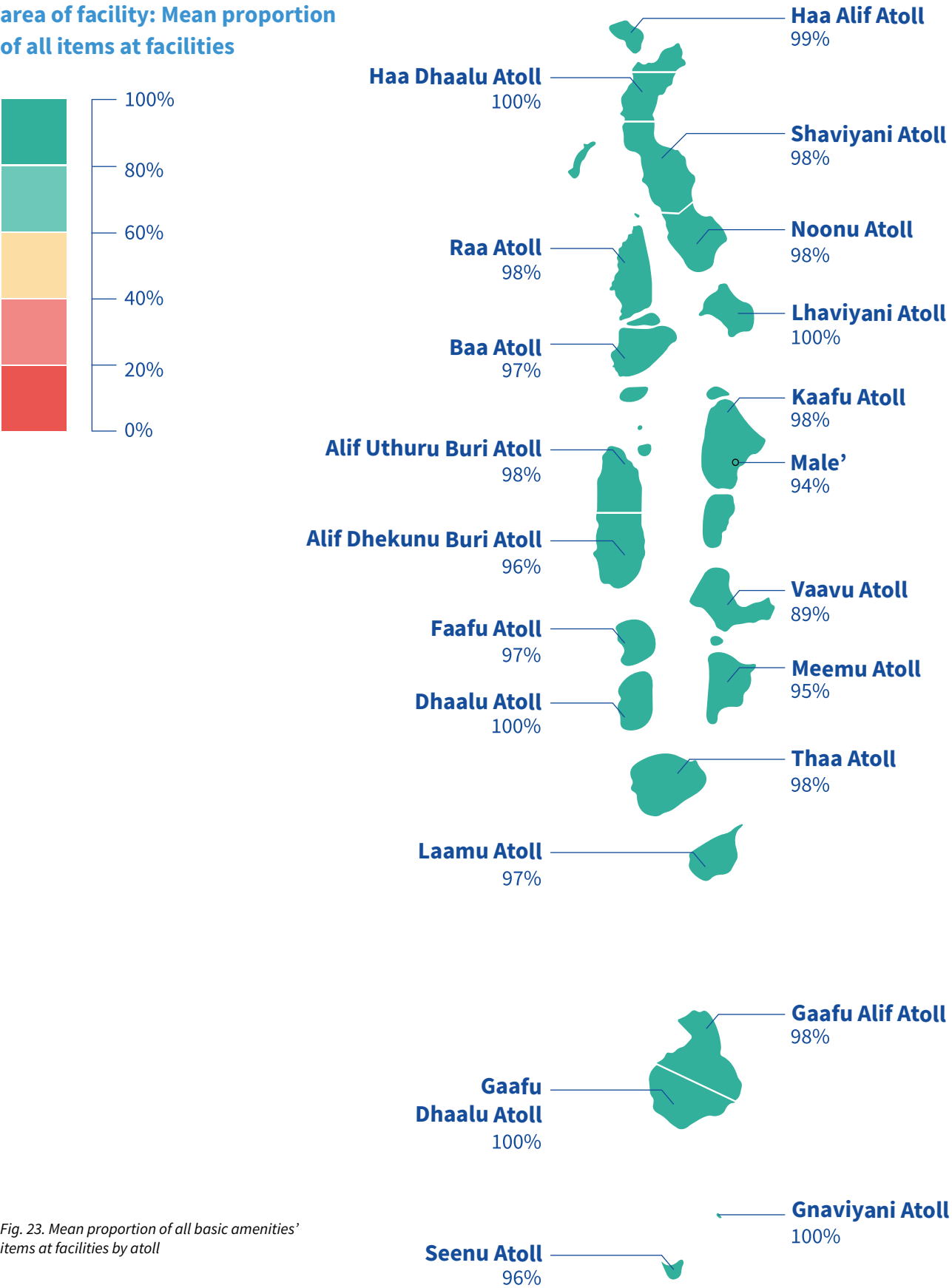


Fig. 23. Mean proportion of all basic amenities' items at facilities by atoll

2.1.2. Basic water, sanitation, hygiene, health-care waste management and environmental cleaning

2.1.2.1. Basic environmental cleaning

Table 23. (2.1.2.1) Percentage of facilities with basic environmental cleaning by atoll and facility type

	Basic environmental cleaning service	n
National	67%	188
Atoll		
MLE	20%	5
HA Atoll	71%	14
HDH Atoll	77%	13
SH Atoll	50%	14
N Atoll	77%	13
R Atoll	87%	15
B Atoll	62%	13
LH Atoll	75%	4
K Atoll	78%	9
AA Atoll	75%	8
ADH Atoll	50%	10
V Atoll	100%	5
M Atoll	50%	8
F Atoll	20%	5
DH Atoll	0%	6
TH Atoll	62%	13
L Atoll	100%	10
GA Atoll	89%	9
GDH Atoll	67%	9
GN Atoll	100%	1
S Atoll	75%	4
Facility type		
Referral hospital	0%	1
Hospital L3	33%	6
Hospital L2	44%	9
Hospital L1	29%	7
Health centre L1	81%	57
Health centre L2	69%	45
Health centre L3	63%	49
Health centre L4	77%	13
Other	0%	1
Ministry of Health	63%	134
Governance Board	78%	54

Basic environmental cleaning is carried out at the majority of the health facilities in all areas, including the grounds of the facilities. Health facilities that do not have grounds, as in urban areas or where any one service area is not cleaned at the time of the assessment, are reported as “zero”.

2.2. Basic equipment

2.2.1. Basic equipment in the main service area of the facility

2.2.1.1. Basic equipment in the main service area of the facility.

Table 24. (2.2.1.1) Percentage of facilities with basic equipment in the main service area of the facility by atoll and facility type

	Thermometer	Stethoscope	Blood pressure apparatus	Pulse oximeter	Examination light	Otoscope	Ophthalmoscope	Adult weighing scale	Child scale	Infant scale	Measuring tape	Height board/stadiometer	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	95%	99%	96%	95%	82%	91%	51%	93%	52%	25%	80%	81%	78%	11%	188
Atoll															
MLE	100%	100%	80%	60%	80%	80%	80%	100%	40%	40%	60%	60%	73%	20%	5
HA Atoll	100%	100%	100%	100%	93%	100%	64%	79%	64%	21%	86%	71%	82%	7%	14
HDH Atoll	100%	100%	92%	92%	92%	100%	62%	92%	54%	31%	85%	85%	82%	15%	13
SH Atoll	100%	100%	100%	100%	79%	93%	57%	93%	50%	50%	93%	86%	83%	14%	14
N Atoll	100%	100%	100%	100%	85%	85%	31%	100%	85%	23%	100%	100%	84%	15%	13
R Atoll	100%	100%	100%	100%	100%	100%	47%	100%	87%	7%	93%	93%	86%	7%	15
B Atoll	100%	100%	100%	100%	92%	100%	62%	100%	31%	38%	100%	100%	85%	23%	13
LH Atoll	100%	100%	100%	100%	100%	75%	25%	100%	50%	50%	75%	50%	77%	0%	4
K Atoll	100%	100%	100%	100%	89%	89%	44%	100%	56%	22%	100%	89%	82%	11%	9
AA Atoll	88%	88%	88%	88%	63%	88%	63%	88%	75%	38%	75%	75%	76%	13%	8
ADH Atoll	100%	100%	100%	100%	90%	100%	70%	70%	70%	30%	100%	100%	86%	20%	10
V Atoll	100%	100%	100%	80%	80%	100%	40%	80%	40%	20%	80%	100%	77%	20%	5
M Atoll	88%	100%	100%	88%	88%	75%	25%	100%	50%	38%	88%	88%	77%	0%	8
F Atoll	100%	100%	100%	100%	80%	100%	20%	100%	40%	40%	80%	100%	80%	20%	5
DH Atoll	83%	100%	100%	100%	100%	83%	67%	100%	0%	0%	33%	83%	71%	0%	6
TH Atoll	54%	92%	77%	92%	31%	69%	54%	92%	62%	15%	8%	23%	56%	0%	13
L Atoll	100%	100%	100%	80%	80%	90%	40%	100%	10%	0%	80%	60%	70%	0%	10
GA Atoll	100%	100%	89%	100%	67%	89%	33%	100%	33%	11%	78%	100%	75%	11%	9
GDH Atoll	100%	100%	100%	100%	89%	100%	56%	67%	33%	11%	78%	67%	75%	11%	9
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	83%	0%	1
S Atoll	100%	100%	100%	100%	75%	100%	50%	100%	50%	50%	50%	75%	79%	25%	4
Facility type															
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	83%	0%	1
Hospital L3	100%	100%	100%	83%	83%	83%	67%	100%	83%	67%	67%	83%	85%	50%	6
Hospital L2	100%	100%	100%	100%	100%	89%	89%	100%	44%	33%	78%	78%	84%	22%	9
Hospital L1	100%	100%	100%	100%	100%	100%	71%	100%	71%	43%	100%	86%	89%	43%	7
Health centre L1	95%	96%	95%	96%	75%	95%	49%	91%	47%	12%	81%	81%	76%	4%	57
Health centre L2	98%	100%	98%	96%	93%	93%	56%	82%	53%	24%	84%	87%	80%	11%	45
Health centre L3	90%	100%	98%	98%	76%	86%	39%	98%	49%	29%	76%	78%	76%	8%	49
Health centre L4	100%	100%	92%	85%	85%	100%	46%	100%	69%	38%	77%	77%	81%	15%	13
Other	100%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	25%	0%	1
Managing authority															
Ministry of Health	93%	99%	96%	96%	79%	89%	89%	93%	53%	28%	78%	82%	78%	11%	134
Governance Board	100%	100%	98%	94%	91%	98%	98%	93%	50%	17%	83%	78%	80%	11%	54

Most of the health facilities have the basic equipment in the main service areas (outpatient areas), with more than 90% of the facilities having such items as thermometers, stethoscopes, blood pressure apparatuses and pulse oximeters, otoscopes and adult weighing scales; however, only half (51%) of the facilities have ophthalmoscopes. Anthropometric measurement instruments, such as measuring tapes and height measurement equipment, are available at 80% of the facilities. However, only one fourth of the facilities (25%) have infant scales and half of the facilities have child scales, indicating that the basic equipment for children are not available at most of the health facilities. This results in only 11% of the health facilities having all basic equipment; on average, 78% of the basic equipment are available at the health facilities. The results show that hospitals do not have some of the basic equipment in the main service areas, particularly infant scales. For instance, the results show that child and infant scales are not available in the main service area of the national referral hospital. This result is likely from the methodology used in the Harmonized Health Facility Assessment (HHFA), wherein availability and readiness are considered when equipment are available at the service points, which demonstrates quick access. At many health facilities, infants' and children's weights are measured not in outpatient consultation rooms but in a different area.

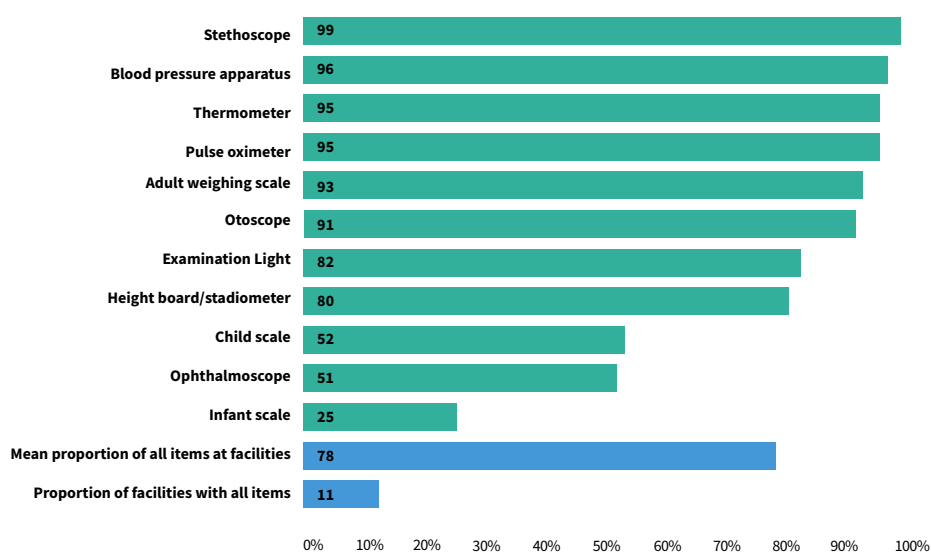


Fig. 24. Percentage of facilities with basic equipment in the main service area of the facility

Basic equipment in main service area of facility: Mean proportion of all items at facilities

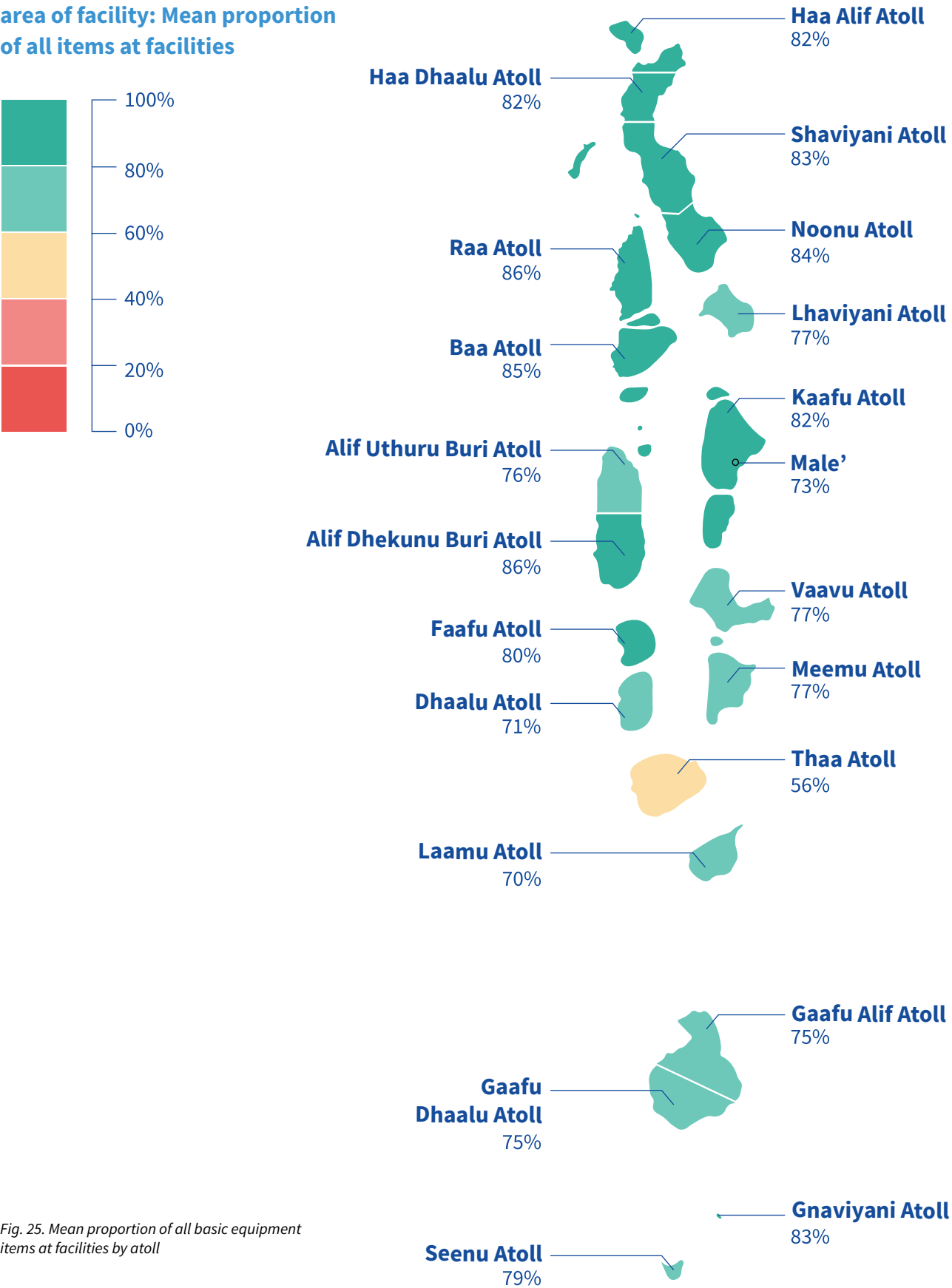


Fig. 25. Mean proportion of all basic equipment items at facilities by atoll

2.3. Standard precautions for infection prevention

2.3.1. Standard precautions for infection

2.3.1.1. Standard precautions for infection prevention.

Table 25. (2.3.1.1) Percentage of facilities with standard precautions for infection prevention by atoll and facility type

	Guidelines for standard precautions	Guidelines for health-care waste management	Staff trained in health-care waste management	Hand hygiene items	Latex gloves	Appropriate storage of sharps waste	Appropriate storage of non-sharp infectious waste	Safe final disposal of sharps waste	Safe final disposal of non-sharp infectious waste	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	18%	15%	6%	16%	28%	21%	19%	51%	54%	25%	1%	188
Atoll												
MLE	40%	40%	0%	100%	100%	40%	40%	80%	100%	60%	0%	5
HA Atoll	14%	21%	0%	7%	7%	7%	0%	0%	0%	6%	0%	14
HDH Atoll	23%	0%	0%	8%	8%	8%	8%	62%	69%	21%	0%	13
SH Atoll	29%	7%	7%	14%	14%	14%	14%	14%	14%	14%	0%	14
N Atoll	8%	0%	0%	0%	8%	8%	0%	77%	77%	20%	0%	13
R Atoll	13%	13%	7%	0%	7%	7%	7%	53%	47%	17%	0%	15
B Atoll	38%	31%	8%	38%	38%	38%	38%	77%	77%	43%	0%	13
LH Atoll	25%	50%	0%	0%	0%	0%	0%	75%	75%	25%	0%	4
K Atoll	11%	11%	0%	0%	22%	11%	0%	78%	67%	22%	0%	9
AA Atoll	50%	38%	13%	38%	38%	38%	38%	25%	38%	35%	0%	8
ADH Atoll	10%	0%	10%	20%	40%	30%	30%	40%	50%	26%	0%	10
V Atoll	0%	0%	20%	0%	0%	0%	0%	40%	40%	11%	0%	5
M Atoll	0%	0%	13%	13%	25%	13%	13%	25%	25%	14%	0%	8
F Atoll	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	0%	5
DH Atoll	50%	33%	0%	17%	17%	17%	0%	100%	67%	33%	0%	6
TH Atoll	15%	31%	8%	31%	85%	31%	46%	92%	92%	48%	0%	13
L Atoll	0%	10%	10%	10%	60%	50%	40%	70%	60%	34%	0%	10
GA Atoll	0%	11%	0%	0%	11%	11%	11%	22%	89%	17%	0%	9
GDH Atoll	11%	22%	11%	22%	44%	44%	44%	33%	44%	31%	11%	9
GN Atoll	0%	0%	0%	100%	100%	100%	0%	100%	100%	56%	0%	1
S Atoll	0%	0%	0%	25%	25%	25%	25%	25%	25%	17%	0%	4
Facility type												
Referral hospital	100%	100%	0%	100%	100%	0%	100%	100%	100%	78%	0%	1
Hospital L3	50%	50%	0%	50%	100%	83%	100%	50%	50%	59%	0%	6
Hospital L2	33%	22%	11%	56%	89%	89%	44%	67%	89%	56%	0%	9
Hospital L1	29%	29%	14%	29%	57%	29%	29%	57%	57%	37%	0%	7
Health centre L1	11%	7%	4%	11%	19%	14%	16%	51%	53%	20%	0%	57
Health centre L2	18%	13%	4%	18%	24%	18%	16%	42%	47%	22%	0%	45
Health centre L3	20%	22%	8%	6%	14%	8%	8%	53%	57%	22%	2%	49
Health centre L4	0%	0%	8%	15%	31%	31%	15%	46%	38%	21%	0%	13
Other	0%	0%	0%	100%	100%	0%	0%	100%	100%	44%	0%	1
Managing authority												
Ministry of Health	19%	16%	6%	17%	28%	19%	16%	49%	53%	25%	0%	134
Governance Board	15%	13%	6%	15%	30%	24%	24%	56%	56%	26%	2%	54

Standard precautions for infection prevention are poor at the health facilities. The availability of the guidelines for standard precautions and those for health-care waste management at the points of service are recorded at only 18% and 15% of health facilities respectively. Only 16% of the facilities have hand hygiene items in all service areas. Similarly, disposable gloves, appropriate storage of sharps waste and appropriate storage of non-sharp infectious waste are available in all service areas at 28%, 21% and 19% of the facilities respectively. Half of the facilities have safe final disposal of sharps waste (51% of the facilities) and safe final disposal of non-sharp infectious waste (54% of the facilities). Only 6% of the facilities have staff trained in health-care waste management. One of the likely reasons behind this finding is the HHFA assessment question asked for a standard training in the past two years, which was not possible during the pandemic. The mean proportion of all items at the facilities is 25% and only 1% of the facilities have all items in all service areas. Standard precautions for infection prevention are lower at the health centres, compared with the hospitals, where only one fifth of the items are available.

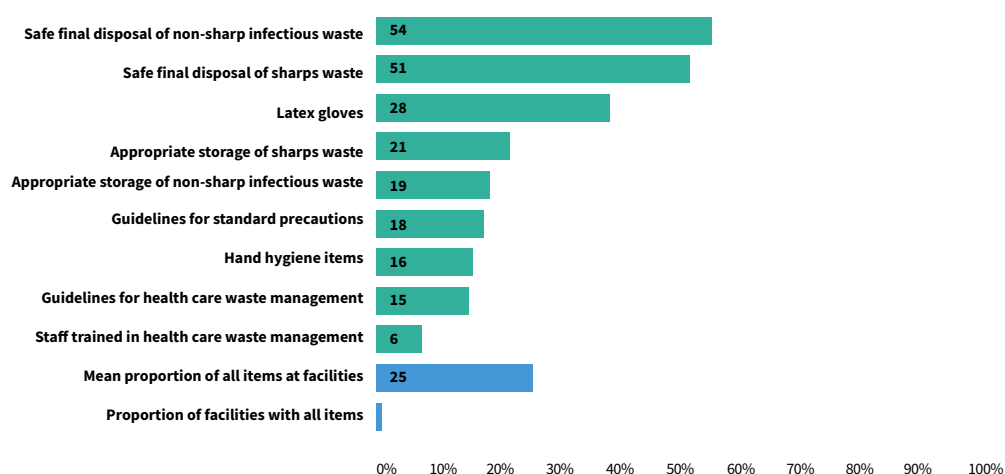


Fig. 26. Percentage of facilities with standard precautions for infection prevention

Standard precautions for infection prevention: Mean proportion of all items at facilities

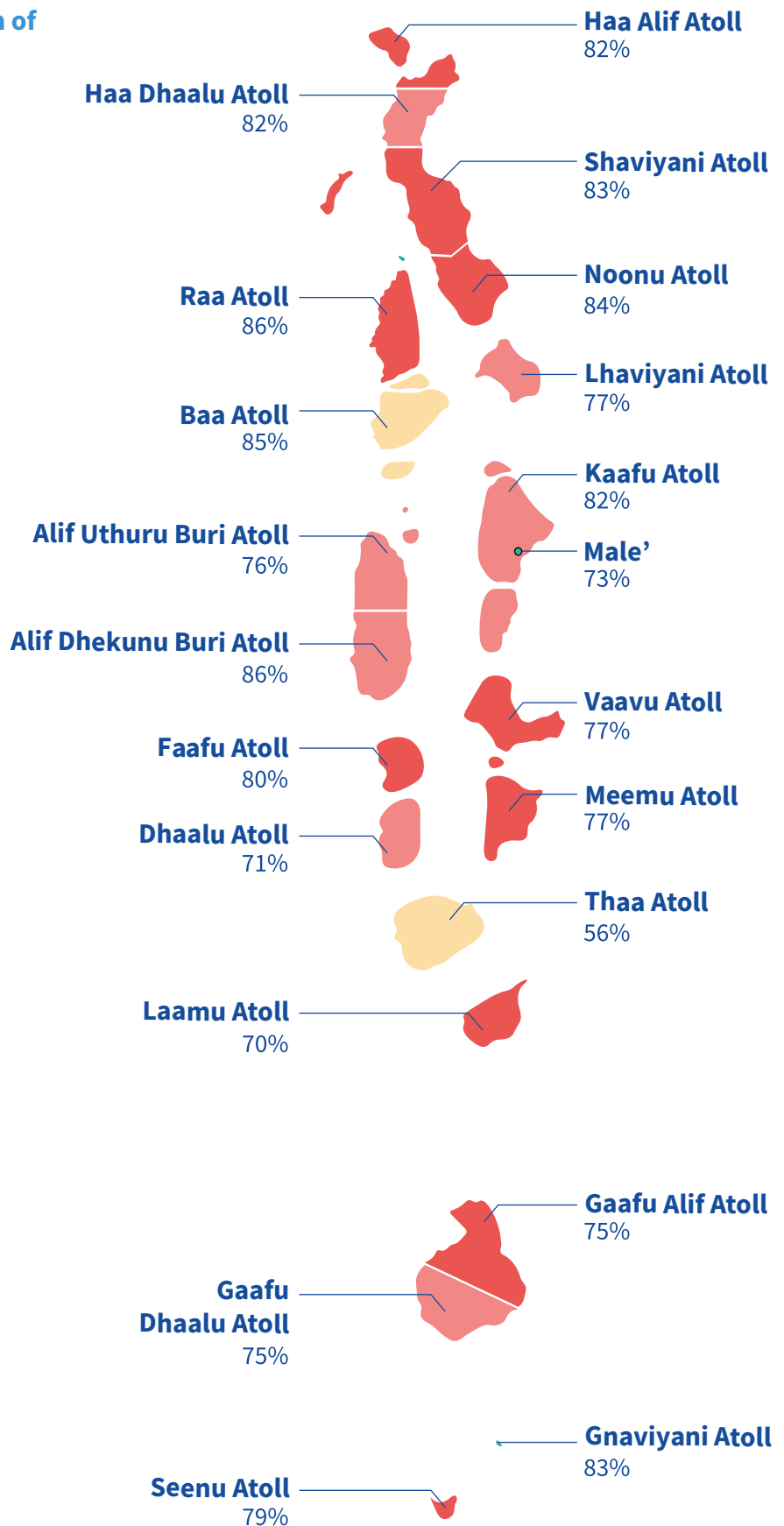
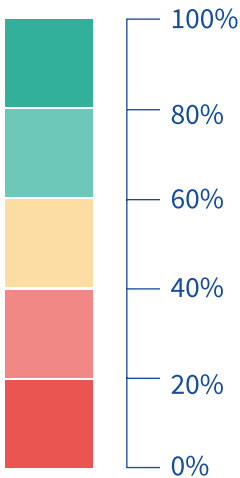


Fig. 27. Mean proportion of all infection prevention items at facilities by atoll

2.3.1.2. Personal protective equipment

Table 26. (2.3.1.2) Percentage of facilities with personal protective equipment by atoll and facility type

	Particulate respirators /N95 face masks	Protective gowns	Aprons (impermeable)	Eye protection	Gumboots or clogs	Hair covers	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	95%	97%	96%	99%	91%	93%	95%	82%	188
Atoll									
MLE	60%	100%	80%	100%	60%	100%	83%	60%	5
HA Atoll	100%	100%	100%	100%	100%	93%	99%	93%	14
HDH Atoll	100%	100%	100%	100%	92%	92%	97%	85%	13
SH Atoll	100%	100%	93%	100%	100%	100%	99%	93%	14
N Atoll	92%	100%	100%	100%	77%	85%	92%	54%	13
R Atoll	100%	100%	93%	100%	100%	93%	98%	93%	15
B Atoll	100%	92%	100%	100%	92%	92%	96%	77%	13
LH Atoll	100%	100%	75%	75%	75%	75%	83%	75%	4
K Atoll	89%	89%	100%	100%	89%	89%	93%	89%	9
AA Atoll	100%	100%	88%	100%	100%	100%	98%	88%	8
ADH Atoll	100%	100%	100%	100%	90%	100%	98%	90%	10
V Atoll	100%	100%	80%	100%	80%	100%	93%	80%	5
M Atoll	100%	100%	100%	100%	100%	100%	100%	100%	8
F Atoll	100%	100%	100%	100%	60%	100%	93%	60%	5
DH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	6
TH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	13
L Atoll	70%	90%	100%	100%	90%	90%	90%	60%	10
GA Atoll	89%	89%	89%	89%	89%	89%	89%	89%	9
GDH Atoll	89%	78%	89%	100%	89%	67%	85%	44%	9
GN Atoll	100%	100%	100%	100%	0%	100%	83%	0%	1
S Atoll	100%	100%	100%	100%	100%	100%	100%	100%	4
Facility type									
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	100%	100%	100%	100%	6
Hospital L2	100%	100%	100%	100%	89%	100%	98%	89%	9
Hospital L1	100%	100%	100%	100%	100%	100%	100%	100%	7
Health centre L1	98%	98%	95%	98%	88%	88%	94%	77%	57
Health centre L2	93%	98%	98%	100%	93%	93%	96%	82%	45
Health centre L3	98%	94%	94%	98%	96%	96%	96%	86%	49
Health centre L4	77%	92%	92%	100%	77%	92%	88%	69%	13
Other	0%	100%	100%	100%	0%	100%	67%	0%	1
Managing authority									
Ministry of Health	96%	98%	96%	99%	90%	95%	95%	84%	134
Governance Board	93%	94%	96%	100%	94%	89%	94%	78%	54

In contrast with the poor results regarding the standard precautions for infection prevention, personal protective equipment (PPE) are available at more than 90% of the facilities. N95 masks, aprons, gowns and goggles are available at more than 95% of the facilities while gumboots and hair protection are available at more than 90% of the facilities. The mean proportion of all items at facilities is 95% and the proportion of facilities with all items is 82%. The national referral hospital, Level 1 hospitals and Level 3 hospitals have all items; hospitals at Level 2 and health centres at levels 1, 2 and 3 have a few facilities without all items, with health centres at Level 4 and other facilities having the least number of items.

Personal protective
equipment: Mean proportion
of all items at facilities

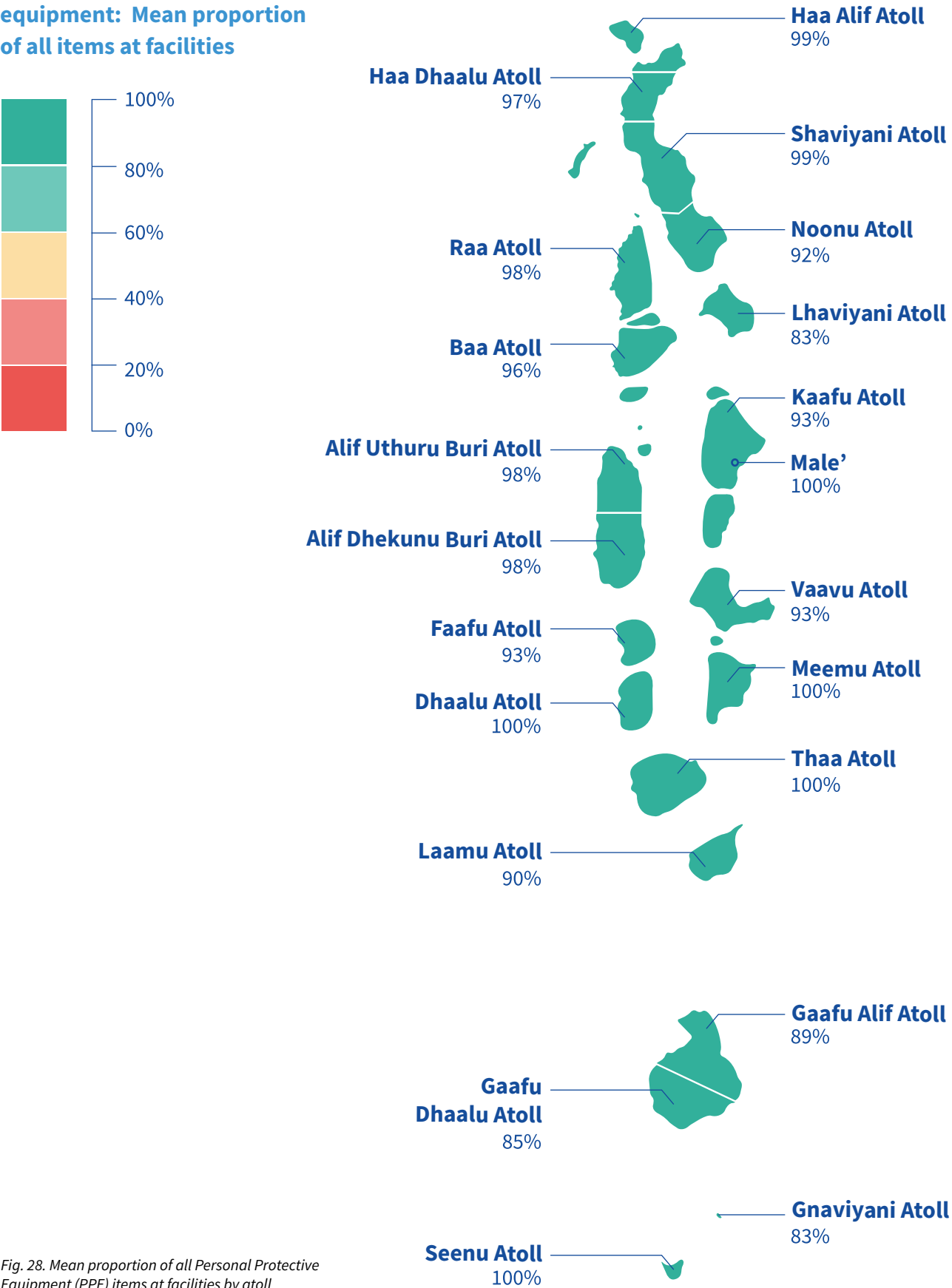


Fig. 28. Mean proportion of all Personal Protective Equipment (PPE) items at facilities by atoll

2.4. Basic diagnostic capacity (laboratory)

2.4.1. Basic diagnostic capacity

2.4.1.1. Basic diagnostic capacity.

Table 27. (2.4.1.1) Percentage of facilities with capacity to conduct onsite basic diagnostic capacity by atoll and facility type

	Haemoglobin testing	Blood glucose testing	Urine dipstick-glucose testing	Urine dipstick-protein testing	Urine dipstick-ketone testing	Urine test for pregnancy	HIV diagnostic testing	Syphilis RDT testing	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	40%	82%	62%	62%	59%	59%	54%	49%	58%	31%	188
Atoll											
MLE	80%	80%	60%	60%	60%	60%	80%	40%	65%	40%	5
HA Atoll	64%	86%	71%	71%	64%	64%	64%	50%	67%	50%	14
HDH Atoll	54%	100%	62%	62%	54%	54%	54%	54%	62%	54%	13
SH Atoll	50%	93%	71%	79%	71%	64%	57%	64%	69%	36%	14
N Atoll	23%	92%	38%	38%	38%	38%	38%	38%	43%	23%	13
R Atoll	60%	73%	60%	60%	60%	53%	60%	60%	61%	40%	15
B Atoll	38%	92%	54%	54%	54%	46%	46%	46%	54%	31%	13
LH Atoll	25%	75%	75%	100%	75%	75%	75%	50%	69%	0%	4
K Atoll	33%	89%	56%	56%	44%	44%	44%	44%	51%	33%	9
AA Atoll	38%	88%	38%	38%	38%	50%	38%	38%	45%	38%	8
ADH Atoll	40%	80%	70%	70%	70%	60%	50%	30%	59%	20%	10
V Atoll	0%	100%	40%	40%	40%	80%	20%	20%	43%	0%	5
M Atoll	25%	75%	50%	50%	50%	50%	38%	50%	48%	25%	8
F Atoll	80%	100%	80%	80%	80%	80%	80%	60%	80%	60%	5
DH Atoll	50%	100%	83%	67%	67%	67%	50%	50%	67%	33%	6
TH Atoll	23%	46%	62%	62%	62%	69%	54%	54%	54%	23%	13
L Atoll	10%	40%	60%	60%	50%	60%	60%	50%	49%	10%	10
GA Atoll	33%	89%	56%	56%	56%	56%	44%	44%	54%	22%	9
GDH Atoll	22%	78%	78%	78%	78%	78%	56%	67%	67%	22%	9
GN Atoll	100%	100%	100%	100%	100%	0%	100%	100%	88%	0%	1
S Atoll	50%	75%	100%	100%	100%	75%	100%	25%	78%	25%	4
Facility type											
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	6
Hospital L2	89%	100%	100%	89%	100%	78%	100%	89%	93%	56%	9
Hospital L1	71%	100%	100%	100%	100%	100%	100%	71%	93%	43%	7
Health centre L1	5%	77%	23%	26%	18%	19%	11%	9%	23%	5%	57
Health centre L2	36%	84%	58%	58%	53%	58%	44%	40%	54%	27%	45
Health centre L3	57%	84%	92%	92%	92%	86%	86%	84%	84%	47%	49
Health centre L4	62%	54%	69%	69%	69%	77%	77%	62%	67%	38%	13
other	100%	100%	0%	0%	0%	0%	0%	0%	25%	0%	1
Managing authority											
Ministry of Health	39%	84%	59%	60%	57%	57%	50%	46%	56%	29%	134
Governance Board	44%	76%	69%	69%	65%	63%	63%	56%	63%	35%	54

The basic diagnostic test availability is moderate with only 40% reporting haemoglobin testing at the time of the assessment. The number of facilities, where basic tests are available, varies widely per test, with 82% of the facilities reporting blood glucose testing, 62% reporting urine dipstick-glucose testing and urine dipstick-protein testing, 50% reporting urine dipstick-ketone testing and urine test for pregnancy, 54% reporting HIV diagnostic testing and 49% reporting syphilis RDT testing. Hospitals, particularly the national referral hospital and Level 3 hospitals, have universal availability of basic diagnostic tests. Although a few hospitals at Level 2 had reported non-availability of haemoglobin testing, urine test for pregnancy and syphilis RDT testing at the time of the assessment, some Level 1 hospitals did not even have the basic tests. About one fifth (23%) of all items are available at health centres at Level 4 and only 5% of the health centres at level 4 have all basic tests.

These results can be attributed to the fact that the items frequently required to perform these tests stock out as the procurement and management of medical supplies is weak with gaps in stock management and delays in procurement.

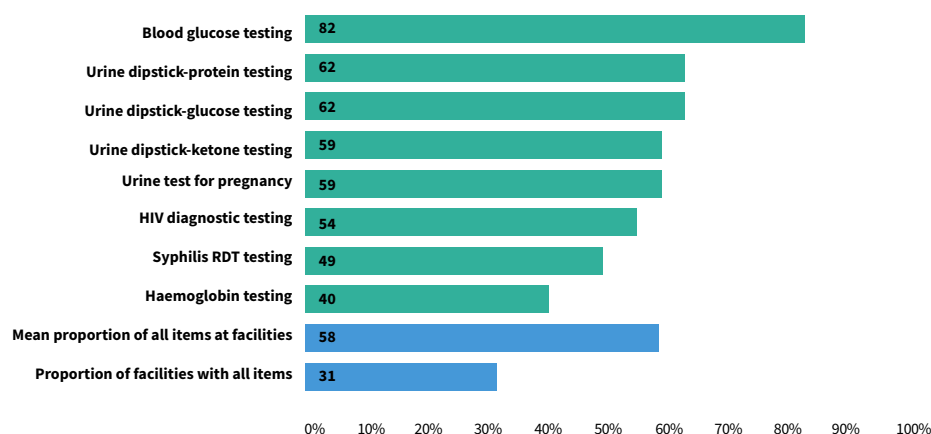


Fig. 29. Percentage of facilities with onsite basic diagnostic capacity

Basic diagnostic capacity:
Mean proportion of all items
at facilities

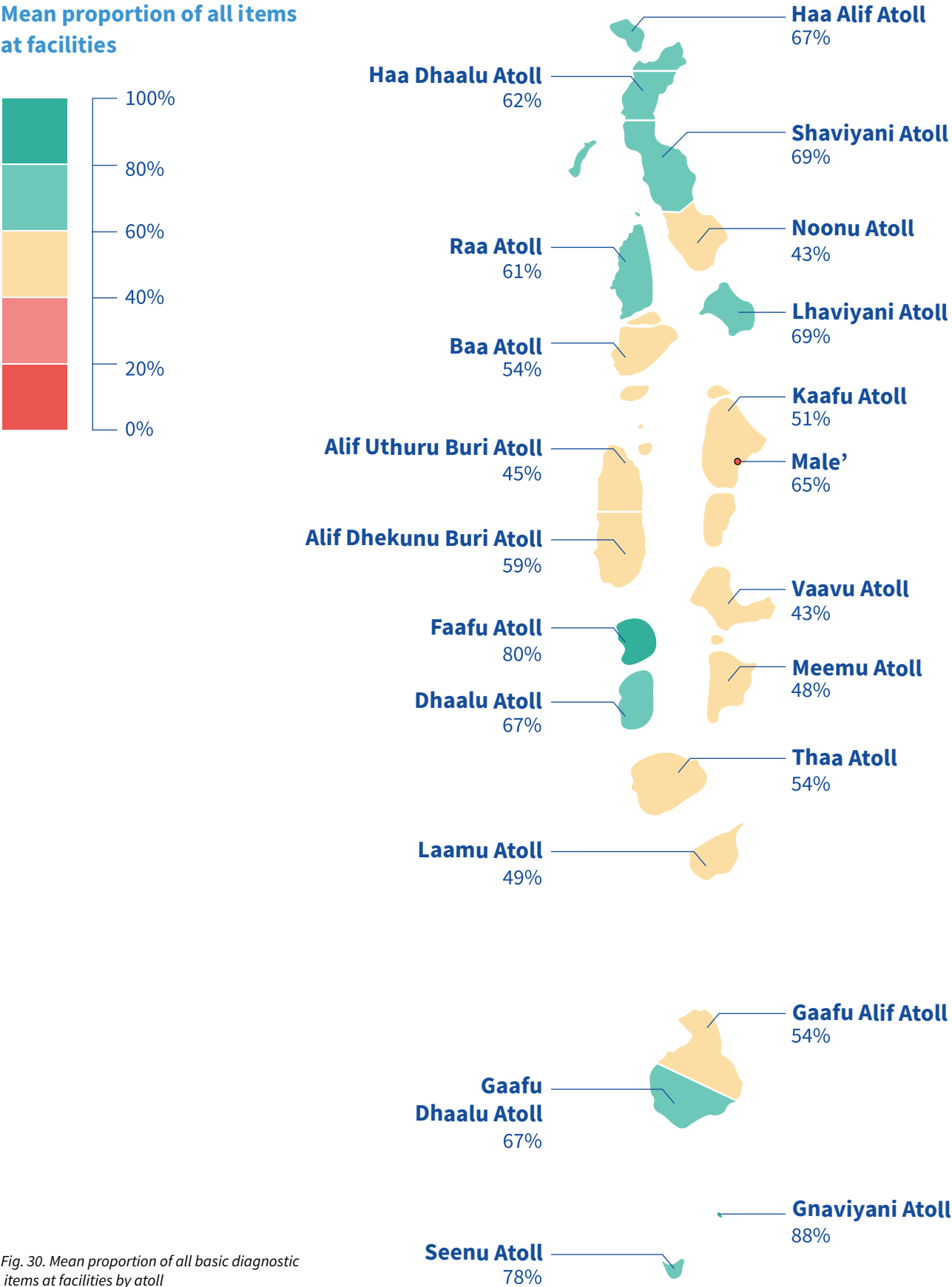


Fig. 30. Mean proportion of all basic diagnostic items at facilities by atoll

2.4.1.2. Basic laboratory readiness auxiliary indicators

Table 28. (2.4.1.2) Percentage of facilities offering laboratory services with auxiliary items in at least one main laboratory testing area by atoll and facility type

	Light microscope	Glass slides	Cover slips for glass slides	Evidence of record of specimens received & results recorded	n
National	59%	58%	58%	64%	120
Atoll					
MLE	100%	75%	100%	100%	4
HA Atoll	100%	100%	100%	100%	9
HDH Atoll	100%	100%	100%	43%	7
SH Atoll	70%	70%	70%	60%	10
N Atoll	60%	60%	60%	60%	5
R Atoll	69%	69%	69%	38%	13
B Atoll	63%	63%	63%	50%	8
LH Atoll	100%	100%	50%	100%	2
K Atoll	40%	40%	40%	40%	5
AA Atoll	33%	67%	67%	100%	3
ADH Atoll	80%	80%	80%	60%	5
V Atoll	0%	0%	0%	25%	4
M Atoll	25%	25%	25%	50%	8
F Atoll	25%	25%	25%	100%	4
DH Atoll	100%	100%	100%	100%	3
TH Atoll	29%	14%	14%	100%	7
L Atoll	33%	33%	33%	100%	6
GA Atoll	40%	40%	40%	60%	5
GDH Atoll	43%	43%	43%	43%	7
GN Atoll	100%	100%	100%	0%	1
S Atoll	50%	50%	50%	50%	4
Facility type					
Referral hospital	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	83%	6
Hospital L2	100%	100%	100%	67%	9
Hospital L1	71%	57%	71%	57%	7
Health centre L1	18%	18%	18%	47%	17
Health centre L2	54%	54%	54%	69%	26
Health centre L3	57%	57%	57%	66%	44
Health centre L4	78%	78%	67%	56%	9
Other	100%	100%	100%	100%	1
Managing authority					
Ministry of Health	56%	56%	55%	69%	80
Governance Board	65%	63%	65%	55%	40

More than half of the health facilities have items for microscopy and evidence of record of specimens has been received, and results recorded. All hospitals have all items and health centres at Level 1 have the lowest availability, with only 18% of the facilities having items for microscopy.

2.4.1.3. Basic laboratory auxiliary indicators – infection prevention and control.

Table 29. (2.4.1.3) Percentage of facilities offering laboratory services with items for infection prevention and control in at least one main laboratory testing area by atoll and facility type

	Hand hygiene items	Latex gloves	Single-use standard disposable or auto-disable syringes	Environmental disinfectant	Appropriate storage of sharps waste	Appropriate storage of non-sharp infectious waste	Appropriate storage of biological waste	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	60%	98%	98%	92%	96%	63%	53%	80%	32%	120
Atoll										
MLE	100%	100%	100%	75%	100%	100%	100%	96%	75%	4
HA Atoll	44%	100%	100%	100%	100%	22%	22%	70%	0%	9
HDH Atoll	71%	100%	100%	100%	100%	43%	29%	78%	29%	7
SH Atoll	70%	90%	90%	90%	90%	60%	50%	77%	40%	10
N Atoll	20%	100%	100%	100%	100%	40%	40%	71%	0%	5
R Atoll	15%	100%	100%	100%	100%	46%	38%	71%	8%	13
B Atoll	88%	100%	100%	100%	88%	100%	100%	96%	75%	8
LH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	2
K Atoll	40%	100%	100%	80%	100%	40%	40%	71%	40%	5
AA Atoll	100%	100%	100%	67%	67%	67%	67%	81%	67%	3
ADH Atoll	40%	100%	100%	100%	80%	100%	100%	89%	40%	5
V Atoll	75%	75%	75%	75%	75%	25%	0%	57%	0%	4
M Atoll	63%	100%	100%	100%	100%	63%	50%	82%	38%	8
F Atoll	75%	100%	100%	75%	100%	100%	100%	93%	50%	4
DH Atoll	67%	100%	100%	67%	100%	100%	100%	90%	33%	3
TH Atoll	57%	100%	100%	57%	100%	86%	57%	80%	29%	7
L Atoll	67%	100%	100%	100%	100%	67%	17%	79%	17%	6
GA Atoll	60%	100%	100%	100%	100%	100%	100%	94%	60%	5
GDH Atoll	71%	100%	100%	100%	100%	29%	29%	76%	14%	7
GN Atoll	100%	100%	100%	100%	100%	0%	0%	71%	0%	1
S Atoll	75%	100%	100%	100%	100%	75%	50%	86%	25%	4
Facility type										
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	67%	100%	100%	100%	100%	83%	67%	88%	33%	6
Hospital L2	100%	100%	100%	89%	100%	67%	56%	87%	44%	9
Hospital L1	100%	100%	100%	100%	100%	86%	71%	94%	71%	7
Health centre L1	41%	88%	88%	88%	82%	53%	47%	70%	24%	17
Health centre L2	62%	100%	100%	92%	96%	50%	46%	78%	23%	26
Health centre L3	50%	100%	100%	91%	98%	61%	50%	79%	27%	44
Health centre L4	56%	100%	100%	100%	100%	78%	67%	86%	44%	9
other	100%	100%	100%	0%	100%	100%	100%	86%	0%	1
Managing authority										
Ministry of Health	63%	98%	98%	88%	94%	68%	61%	81%	36%	80
Governance Board	55%	100%	100%	100%	100%	53%	38%	78%	23%	40

The results show that at laboratories, infection prevention and control items vary. It shows on average, facilities have 80% of all items, resulting in only 32% of all facilities having all items.

2.5. Essential medicines and commodities

2.5.1. WHO essential medicines

2.5.1.1. Essential medicines.

Table 30. (2.5.1.1) Percentage of facilities offering WHO essential medicines by atoll and facility type

	Salbutamol inhaler	Beclomethasone or other corticosteroid inhaler	Gliclazide or other sulphonylurea tab/cap	Metformin cap/ta	Insulin injection	Any 2 of the following antihypertensive tabs/caps: beta blocker, calcium blocker, thiazide-like diuretic, ACE inhibitor	Simvastatin or other statin tab/cap (e.g. atorvastatin, pravastatin, fluvastatin)	Furosemide tab/cap or injection	Aspirin tab /cap	Paracetamol tab/cap	Ibuprofen tab /cap	Morphine (oral or injectable)	n
National	64%	22%	52%	88%	72%	80%	50%	59%	78%	88%	76%	14%	188
Atoll													
MLE	20%	60%	60%	60%	60%	60%	20%	60%	60%	80%	60%	40%	5
HA Atoll	93%	29%	57%	100%	57%	79%	36%	71%	86%	100%	71%	7%	14
HDH Atoll	62%	15%	38%	100%	62%	85%	23%	54%	77%	100%	85%	8%	13
SH Atoll	64%	0%	57%	79%	36%	71%	43%	50%	64%	79%	79%	7%	14
N Atoll	92%	23%	62%	100%	85%	100%	31%	62%	92%	100%	77%	0%	13
R Atoll	73%	7%	33%	100%	100%	87%	87%	93%	80%	100%	93%	13%	15
B Atoll	54%	15%	31%	62%	62%	62%	23%	38%	62%	54%	62%	0%	13
LH Atoll	75%	50%	25%	75%	75%	50%	25%	0%	75%	100%	50%	25%	4
K Atoll	67%	11%	56%	100%	89%	100%	78%	78%	100%	100%	89%	0%	9
AA Atoll	100%	63%	100%	100%	88%	100%	75%	75%	100%	88%	100%	25%	8
ADH Atoll	50%	20%	90%	90%	60%	90%	90%	40%	60%	90%	80%	40%	10
V Atoll	0%	0%	0%	0%	40%	40%	0%	20%	80%	60%	20%	20%	5
M Atoll	63%	0%	38%	100%	75%	100%	50%	50%	100%	100%	100%	13%	8
F Atoll	60%	20%	40%	80%	100%	20%	60%	60%	100%	80%	40%	40%	5
DH Atoll	67%	0%	83%	100%	100%	100%	83%	100%	83%	83%	100%	17%	6
TH Atoll	8%	15%	8%	62%	54%	46%	31%	23%	69%	85%	23%	15%	13
L Atoll	90%	0%	30%	100%	80%	100%	30%	90%	30%	70%	90%	20%	10
GA Atoll	67%	56%	78%	100%	89%	89%	67%	67%	67%	78%	100%	0%	9
GDH Atoll	78%	56%	78%	100%	78%	89%	67%	44%	100%	100%	67%	22%	9
GN Atoll	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	50%	75%	100%	100%	100%	100%	100%	75%	100%	100%	100%	25%	4
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	50%	83%	67%	100%	100%	100%	67%	67%	83%	100%	100%	83%	6
Hospital L2	67%	44%	78%	100%	100%	100%	89%	78%	78%	100%	78%	67%	9
Hospital L1	57%	14%	71%	71%	100%	86%	57%	71%	100%	100%	71%	71%	7
Health centre L1	60%	16%	32%	79%	61%	72%	37%	51%	70%	79%	65%	4%	57
Health centre L2	71%	22%	51%	93%	62%	80%	53%	56%	76%	89%	80%	9%	45
Health centre L3	65%	18%	59%	94%	84%	84%	51%	63%	84%	90%	86%	8%	49
Health centre L4	69%	15%	77%	85%	69%	85%	54%	69%	85%	92%	62%	0%	13
other	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	1
Managing authority													
Ministry of Health	62%	20%	52%	83%	68%	76%	48%	53%	78%	85%	71%	13%	134
Governance Board	70%	26%	50%	100%	83%	91%	56%	74%	76%	94%	87%	19%	54

The availability of essential medicines varies widely from item to item. This variation is likely as the medicine procurement and supply in the country are not managed by the health facilities and have little control over the availability of medicines. Furthermore, the stock management systems are weak at the health facilities and frequent stockouts of essential medicines have been noted in the previous reports.

Overall, 52% of all essential medicines are at the health facilities, but none of the facilities has all items. Availability of essential medicines is much better at hospitals, with the national referral hospital reporting 89% availability, Levels 3 and 2 hospitals recording 74% availability and Level 1 hospitals 62%. The absence of all items must be interpreted with caution as some of the medicines included in the HHFA list are not used in the health services in the country.

2.5.1.1. Essential medicines (continued)

	Fluoxetine or other SSRI tab/cap	Phenytoin or carbamazepine tab/cap	Amoxicillin tab/cap	Procaine penicillin or benzathine penicillin injection	Gentamycin injection	Ceftriaxone injection	Combination therapy for tuberculosis	Oral rehydration salts (ORS)	Zinc sulfate tab, dispersible tab or syrup	Ready-to-use therapeutic food (RUTF)	Hormonal contraceptives (oral, injectable and/or implants)	Folic acid tab/cap	n
National	38%	36%	74%	0%	15%	78%	4%	82%	19%	0%	81%	84%	188
Atoll													
MLE	60%	60%	60%	0%	40%	40%	0%	60%	20%	0%	80%	60%	5
HA Atoll	64%	36%	100%	0%	21%	71%	0%	86%	0%	0%	71%	100%	14
HDH Atoll	15%	23%	46%	0%	8%	62%	0%	85%	15%	0%	100%	92%	13
SH Atoll	57%	43%	50%	0%	14%	79%	7%	79%	7%	0%	86%	71%	14
N Atoll	38%	31%	85%	0%	15%	85%	0%	100%	23%	0%	69%	77%	13
R Atoll	53%	33%	100%	0%	27%	93%	0%	100%	7%	0%	93%	93%	15
B Atoll	0%	8%	54%	0%	15%	69%	0%	54%	38%	0%	92%	62%	13
LH Atoll	0%	50%	75%	0%	25%	25%	25%	50%	0%	0%	100%	75%	4
K Atoll	78%	78%	89%	0%	11%	56%	0%	100%	22%	0%	100%	100%	9
AA Atoll	50%	50%	100%	0%	63%	88%	0%	100%	88%	0%	63%	100%	8
ADH Atoll	0%	30%	90%	0%	0%	70%	10%	90%	50%	0%	60%	90%	10
V Atoll	0%	0%	0%	0%	0%	60%	20%	40%	0%	0%	40%	40%	5
M Atoll	75%	38%	100%	0%	0%	75%	0%	100%	13%	0%	75%	100%	8
F Atoll	0%	0%	20%	0%	0%	80%	40%	100%	0%	0%	100%	100%	5
DH Atoll	67%	33%	100%	0%	17%	100%	0%	100%	0%	0%	100%	100%	6
TH Atoll	8%	15%	15%	0%	15%	92%	0%	31%	8%	0%	69%	31%	13
L Atoll	0%	30%	100%	0%	0%	100%	0%	90%	10%	0%	80%	100%	10
GA Atoll	78%	67%	89%	0%	0%	89%	0%	100%	33%	0%	67%	100%	9
GDH Atoll	56%	44%	89%	0%	0%	100%	11%	89%	0%	0%	89%	100%	9
GN Atoll	100%	100%	100%	0%	0%	100%	100%	100%	100%	0%	100%	100%	1
S Atoll	50%	75%	100%	0%	50%	75%	0%	75%	50%	0%	75%	100%	4
Facility type													
Referral hospital	100%	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	1
Hospital L3	50%	83%	83%	0%	50%	100%	17%	100%	33%	0%	100%	100%	6
Hospital L2	67%	89%	78%	0%	78%	100%	33%	78%	22%	0%	100%	100%	9
Hospital L1	29%	43%	57%	0%	14%	86%	43%	71%	29%	0%	100%	86%	7
Health centre L1	21%	21%	63%	0%	11%	74%	0%	79%	12%	0%	65%	72%	57
Health centre L2	40%	27%	78%	0%	2%	71%	2%	87%	22%	0%	82%	91%	45
Health centre L3	49%	41%	82%	0%	16%	86%	0%	84%	22%	0%	90%	88%	49
Health centre L4	46%	46%	85%	0%	8%	69%	0%	85%	8%	0%	85%	85%	13
other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
Managing authority													
Ministry of Health	39%	34%	69%	0%	14%	75%	5%	79%	22%	0%	77%	79%	134
Governance Board	37%	39%	85%	0%	17%	85%	2%	91%	13%	0%	91%	96%	54

2.5.1.1. Essential medicines (continued)

	Oxytocin injection	Magnesium sulfate injection	Chlorhexidine solution	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	52%	16%	76%	52%	0%	188
Atoll						
MLE	60%	60%	40%	47%	0%	5
HA Atoll	50%	7%	86%	55%	0%	14
HDH Atoll	77%	23%	100%	50%	0%	13
SH Atoll	57%	7%	64%	46%	0%	14
N Atoll	46%	8%	69%	54%	0%	13
R Atoll	80%	13%	33%	59%	0%	15
B Atoll	23%	8%	92%	38%	0%	13
LH Atoll	50%	25%	100%	45%	0%	4
K Atoll	44%	0%	89%	60%	0%	9
AA Atoll	88%	38%	75%	71%	0%	8
ADH Atoll	20%	10%	50%	51%	0%	10
V Atoll	40%	20%	100%	24%	0%	5
M Atoll	75%	13%	63%	56%	0%	8
F Atoll	60%	20%	100%	49%	0%	5
DH Atoll	83%	33%	83%	64%	0%	6
TH Atoll	54%	15%	54%	31%	0%	13
L Atoll	10%	10%	100%	50%	0%	10
GA Atoll	22%	11%	100%	60%	0%	9
GDH Atoll	56%	33%	89%	60%	0%	9
GN Atoll	100%	100%	100%	85%	0%	1
S Atoll	25%	25%	75%	67%	0%	4
Facility type						
Referral hospital	100%	100%	100%	89%	0%	1
Hospital L3	100%	100%	83%	74%	0%	6
Hospital L2	89%	100%	100%	74%	0%	9
Hospital L1	86%	86%	86%	62%	0%	7
Health centre L1	32%	5%	70%	43%	0%	57
Health centre L2	53%	2%	78%	51%	0%	45
Health centre L3	57%	8%	78%	55%	0%	49
Health centre L4	46%	8%	69%	52%	0%	13
other	0%	0%	0%	4%	0%	1
Managing authority						
Ministry of Health	49%	13%	76%	50%	0%	134
Governance Board	59%	24%	76%	57%	0%	54

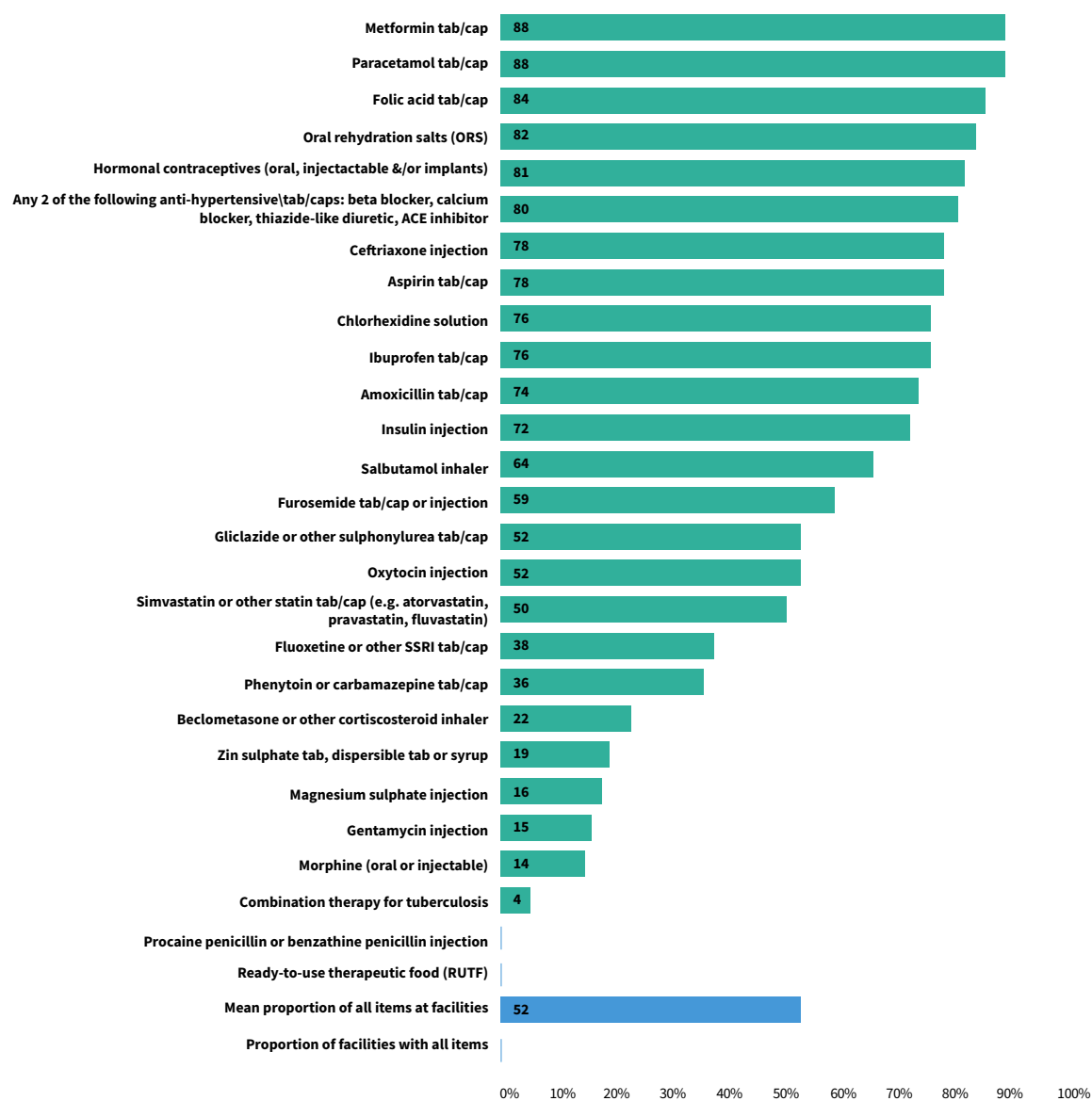


Fig. 31. Percentage of facilities with WHO essential medicines

Essential medicines: Mean proportion of all items at facilities

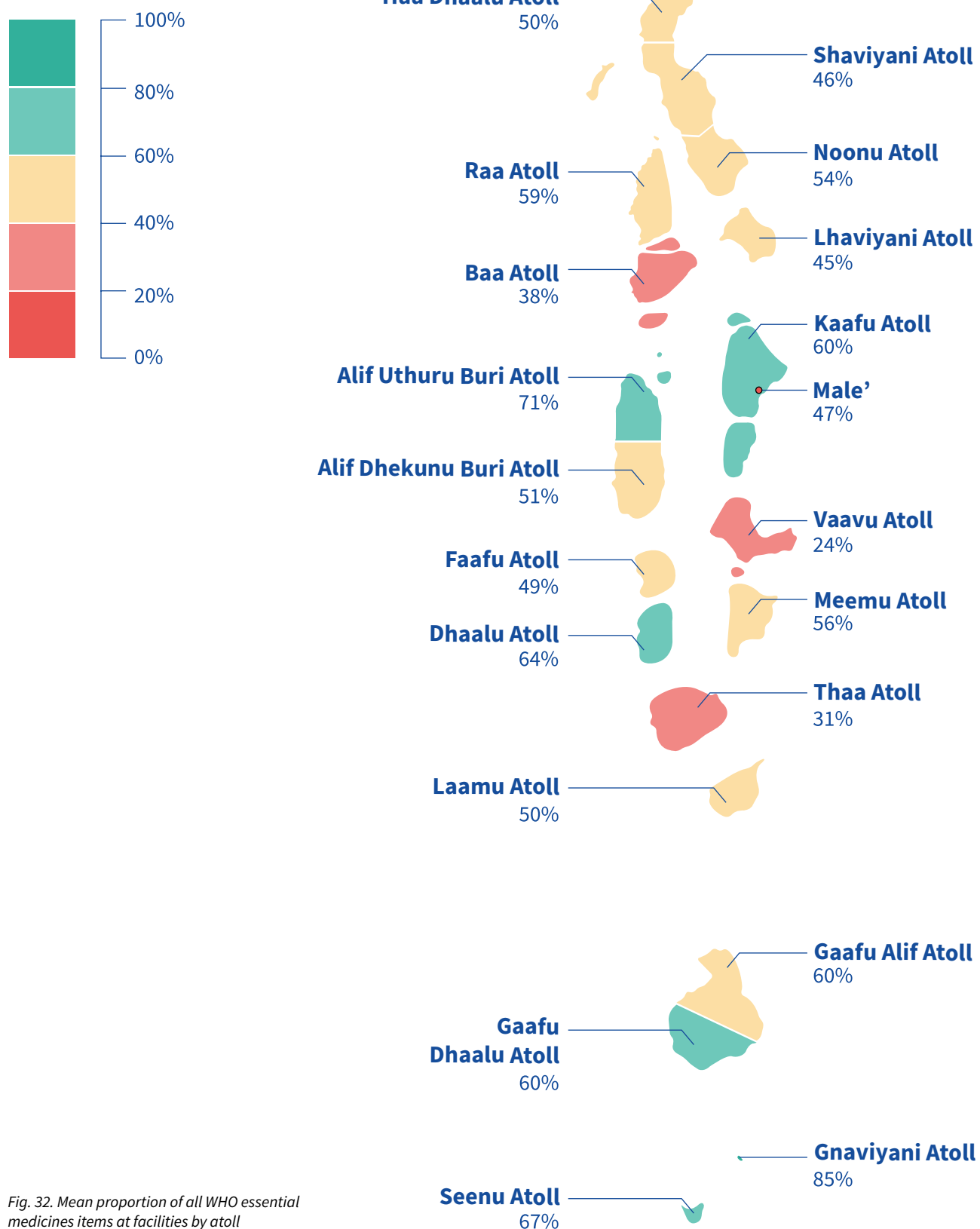


Fig. 32. Mean proportion of all WHO essential medicines items at facilities by atoll

2.5.2. Life-saving commodities for reproductive, maternal, newborn and child health (RMNCH)

2.5.2.1. Life-saving commodities for RMNCH

Table 31. (2.5.2.1) Percentage of facilities offering life-saving commodities for RMNCH by atoll and facility type

	Maternal health				Newborn health				Child health				
	Oxytocin injection	Misoprostol tab	Magnesium sulfate injection	Mean proportion of maternal health items at facilities	Injectable antibiotics (e.g. gentamicin, procaine benzylpenicillin, ampicillin, ceftriaxone)	Antenatal corticosteroids (e.g. betamethasone, dexamethasone)	Skin disinfectant/ chlorhexidine	Resuscitation equipment	Mean proportion of newborn health items at facilities	Amoxicillin suspension	Oral rehydration salts (ORS)	Zinc sulfate tab, dispersible tab or syrup	n
National	52%	15%	16%	28%	78%	85%	56%	19%	59%	31%	82%	19%	188
Atoll													
MLE	60%	60%	60%	60%	40%	80%	60%	40%	55%	60%	60%	20%	5
HA Atoll	50%	7%	7%	21%	71%	71%	57%	36%	59%	36%	86%	0%	14
HDH Atoll	77%	23%	23%	41%	62%	77%	46%	15%	50%	31%	85%	15%	13
SH Atoll	57%	7%	7%	24%	79%	93%	57%	50%	70%	29%	79%	7%	14
N Atoll	46%	8%	8%	21%	85%	77%	62%	8%	58%	15%	100%	23%	13
R Atoll	80%	7%	13%	33%	93%	93%	27%	7%	55%	53%	100%	7%	15
B Atoll	23%	8%	8%	13%	69%	85%	85%	8%	62%	31%	54%	38%	13
LH Atoll	50%	25%	25%	33%	25%	50%	25%	50%	38%	50%	50%	0%	4
K Atoll	44%	0%	0%	15%	56%	89%	78%	0%	56%	22%	100%	22%	9
AA Atoll	88%	25%	38%	50%	88%	100%	75%	25%	72%	75%	100%	88%	8
ADH Atoll	20%	10%	10%	13%	70%	80%	40%	20%	53%	20%	90%	50%	10
V Atoll	40%	20%	20%	27%	60%	80%	40%	0%	45%	0%	40%	0%	5
M Atoll	75%	25%	13%	38%	75%	100%	25%	13%	53%	25%	100%	13%	8
F Atoll	60%	20%	20%	33%	80%	100%	60%	20%	65%	0%	100%	0%	5
DH Atoll	83%	17%	33%	44%	100%	100%	17%	17%	58%	17%	100%	0%	6
TH Atoll	54%	8%	15%	26%	92%	77%	31%	8%	52%	15%	31%	8%	13
L Atoll	10%	10%	10%	10%	100%	80%	100%	10%	73%	10%	90%	10%	10
GA Atoll	22%	11%	11%	15%	89%	78%	78%	11%	64%	22%	100%	33%	9
GDH Atoll	56%	11%	33%	33%	100%	89%	78%	22%	72%	67%	89%	0%	9
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
S Atoll	25%	100%	25%	50%	75%	100%	50%	25%	63%	75%	75%	50%	4
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	100%	33%	6
Hospital L2	89%	100%	100%	96%	100%	100%	100%	100%	100%	44%	78%	22%	9
Hospital L1	86%	86%	86%	86%	86%	86%	100%	57%	82%	43%	71%	29%	7
Health centre L1	32%	2%	5%	13%	74%	75%	40%	4%	48%	25%	79%	12%	57
Health centre L2	53%	0%	2%	19%	71%	82%	53%	13%	55%	36%	87%	22%	45
Health centre L3	57%	10%	8%	25%	86%	94%	59%	12%	63%	31%	84%	22%	49
Health centre L4	46%	8%	8%	21%	69%	77%	46%	8%	50%	23%	85%	8%	13
other	0%	0%	0%	0%	0%	100%	0%	0%	25%	0%	0%	0%	1
Managing authority													
Ministry of Health	49%	12%	13%	25%	75%	84%	54%	19%	58%	25%	79%	22%	134
Governance Board	59%	24%	24%	36%	85%	87%	59%	17%	62%	46%	91%	13%	54

At the national level, only 28% of the life-saving maternal health items and 59% of the life-saving newborn health items are available at the health facilities. However, all Level 3 hospitals and the national referral hospital have all life-saving maternal health and newborn items; Level 2 hospitals have 96% of the life-saving maternal health and all newborn health items. Level 1 hospitals have 86% of the life-saving maternal health and 82% of the newborn health items. Only a few health centres (13%–21%) have life-saving maternal health items; about half (48%–63%) of the health centres have newborn health items. This pattern reflects on the usage of delivery services for pregnant women, wherein it is reported that more than 90% of the deliveries take place at hospitals.

Mean proportions of child health items are also low (44%) at the national level; however, all items are available at the national referral hospital. While Level 3 hospitals have 60% of all items, hospitals at Levels 2 and 1 have 48% of the items for child health. The proportion of health centres also reports similar levels of child health items (38%–48%).

The availability of reproductive health items is very low, with only 7% of the reproductive health items available at the health facilities at the national level. The proportions are much higher when the type of the facility is examined, with the national referral hospital reporting 67% of the reproductive health items and Level 3 hospitals reporting 50% of the items. It must be noted that in reporting the proportion of all reproductive health items, female condoms are included, which are not an item provided at the public health facilities in Maldives.

2.5.2.1. Life-saving commodities for RMNCH (continued)

Reproductive health

	Mean proportion of child health items at facilities	Female condoms	Implants (e.g. levonorgestrel, etonogestrel)	Emergency contraception (e.g. levonorgestrel, ulipristal, misoprostol)	Mean proportion of reproductive health items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	44%	0%	2%	19%	7%	36%	0%	188
Atoll								
MLE	47%	0%	40%	60%	33%	49%	0%	5
HA Atoll	40%	0%	0%	7%	2%	33%	0%	14
HDH Atoll	44%	0%	0%	54%	18%	39%	0%	13
SH Atoll	38%	0%	0%	7%	2%	36%	0%	14
N Atoll	46%	0%	0%	8%	3%	34%	0%	13
R Atoll	53%	0%	7%	20%	9%	39%	0%	15
B Atoll	41%	0%	0%	8%	3%	32%	0%	13
LH Atoll	33%	0%	0%	25%	8%	29%	0%	4
K Atoll	48%	0%	0%	0%	0%	32%	0%	9
AA Atoll	88%	0%	0%	38%	13%	57%	0%	8
ADH Atoll	53%	0%	0%	20%	7%	33%	0%	10
V Atoll	13%	0%	0%	20%	7%	25%	0%	5
M Atoll	46%	0%	0%	25%	8%	38%	0%	8
F Atoll	33%	0%	0%	20%	7%	37%	0%	5
DH Atoll	39%	0%	0%	0%	0%	37%	0%	6
TH Atoll	18%	0%	0%	8%	3%	27%	0%	13
L Atoll	37%	0%	0%	10%	3%	34%	0%	10
GA Atoll	52%	0%	0%	11%	4%	36%	0%	9
GDH Atoll	52%	0%	0%	22%	7%	44%	0%	9
GN Atoll	67%	0%	0%	100%	33%	77%	0%	1
S Atoll	67%	0%	25%	50%	25%	52%	0%	4
Facility type								
Referral hospital	100%	0%	100%	100%	67%	92%	0%	1
Hospital L3	61%	0%	50%	100%	50%	79%	0%	6
Hospital L2	48%	0%	0%	56%	19%	68%	0%	9
Hospital L1	48%	0%	0%	71%	24%	62%	0%	7
Health centre L1	39%	0%	0%	2%	1%	27%	0%	57
Health centre L2	48%	0%	0%	16%	5%	34%	0%	45
Health centre L3	46%	0%	0%	14%	5%	37%	0%	49
Health centre L4	38%	0%	0%	23%	8%	31%	0%	13
other	0%	0%	0%	0%	0%	8%	0%	1
Managing authority								
Ministry of Health	42%	0%	0%	13%	4%	34%	0%	134
Governance Board	50%	0%	7%	31%	13%	42%	0%	54

Life saving commodities for RMNCH: Mean proportion of all items at facilities

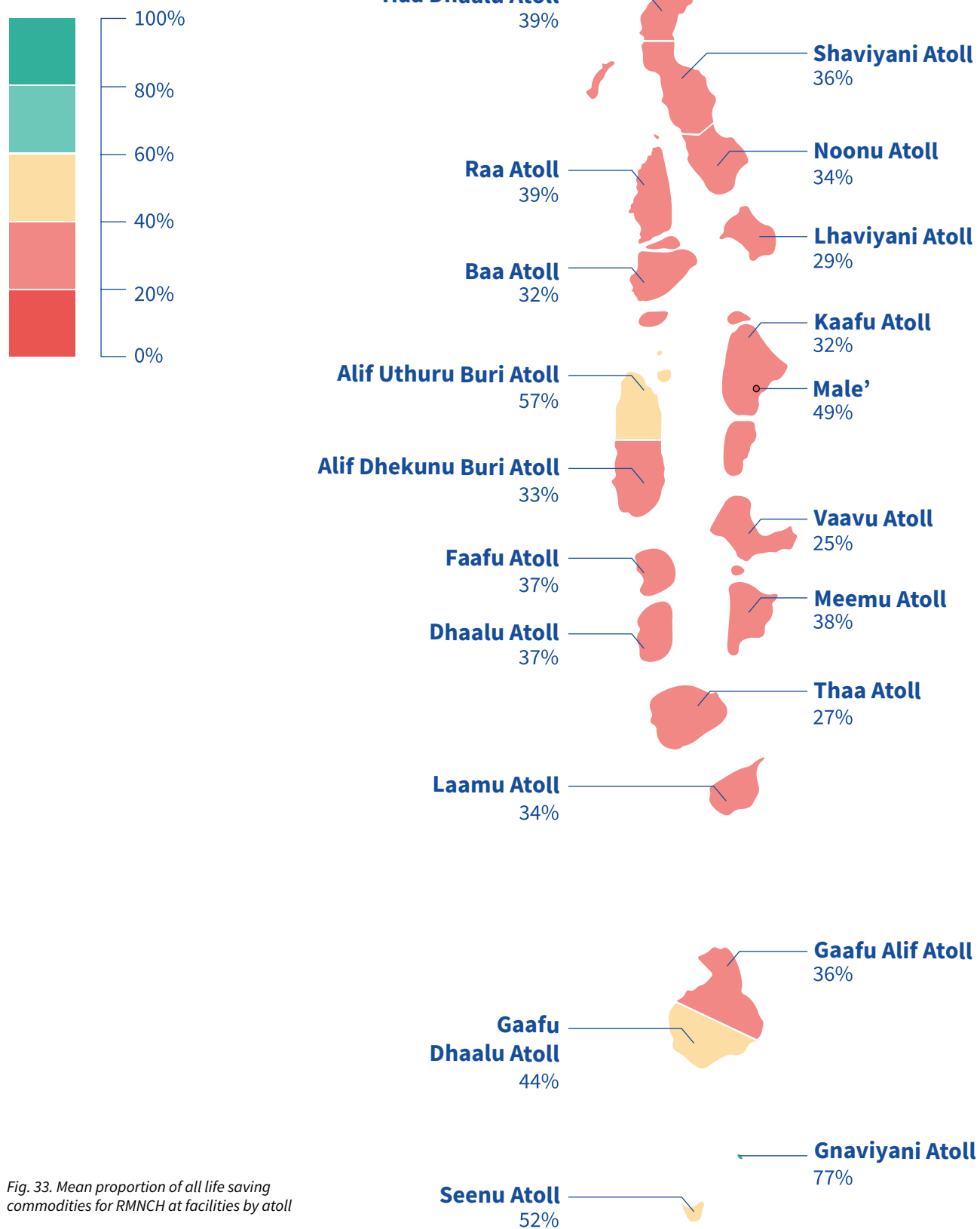


Fig. 33. Mean proportion of all life saving commodities for RMNCH at facilities by atoll

2.5.3. Basic consumables

2.5.3.1. Basic consumables

Table 32. (2.5.3.1) Percentage of facilities offering basic consumables by atoll and facility type

	Absorbable sutures	Non-absorbable sutures	Suturing needles	Intravenous infusion set	Blood-giving set	Intravenous cannula	Intravenous needle (child)	Sterile needles	Single-use syringes	Splinting set, extremities	Casts, set and materials	Examination gloves, latex, single use	n
National	80%	91%	87%	100%	54%	100%	92%	100%	100%	38%	35%	97%	188
Atoll													
MLE	60%	60%	60%	100%	80%	100%	60%	100%	100%	40%	60%	100%	5
HA Atoll	79%	100%	71%	100%	50%	100%	93%	100%	100%	43%	7%	100%	14
HDH Atoll	92%	100%	100%	100%	54%	100%	92%	100%	100%	38%	15%	100%	13
SH Atoll	79%	100%	93%	100%	57%	100%	79%	100%	100%	43%	36%	100%	14
N Atoll	62%	85%	85%	100%	46%	100%	100%	100%	100%	31%	23%	100%	13
R Atoll	93%	100%	100%	100%	53%	100%	87%	100%	100%	47%	33%	100%	15
B Atoll	69%	85%	100%	100%	54%	100%	100%	100%	100%	31%	31%	100%	13
LH Atoll	25%	50%	50%	100%	75%	100%	50%	100%	100%	25%	25%	75%	4
K Atoll	89%	100%	100%	100%	33%	100%	100%	100%	100%	22%	11%	100%	9
AA Atoll	25%	38%	38%	100%	38%	100%	100%	100%	100%	25%	25%	88%	8
ADH Atoll	90%	100%	100%	100%	40%	100%	100%	100%	100%	60%	60%	100%	10
V Atoll	80%	100%	100%	100%	20%	100%	80%	100%	100%	40%	100%	100%	5
M Atoll	100%	100%	88%	100%	63%	100%	100%	100%	100%	13%	38%	88%	8
F Atoll	100%	100%	100%	100%	80%	100%	80%	100%	100%	20%	20%	100%	5
DH Atoll	83%	100%	100%	100%	50%	100%	100%	100%	100%	67%	83%	100%	6
TH Atoll	92%	100%	100%	100%	54%	100%	85%	100%	100%	38%	31%	92%	13
L Atoll	80%	90%	80%	100%	60%	100%	100%	100%	100%	10%	20%	100%	10
GA Atoll	89%	78%	67%	100%	56%	100%	100%	100%	100%	67%	56%	100%	9
GDH Atoll	100%	100%	100%	100%	67%	100%	100%	100%	100%	56%	44%	100%	9
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
S Atoll	75%	100%	50%	100%	75%	100%	100%	100%	100%	25%	50%	75%	4
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
Hospital L3	100%	100%	100%	100%	100%	100%	100%	100%	100%	83%	83%	100%	6
Hospital L2	89%	100%	100%	100%	100%	100%	100%	100%	100%	89%	100%	100%	9
Hospital L1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	86%	100%	7
Health centre L1	72%	86%	89%	100%	18%	100%	93%	100%	100%	23%	19%	93%	57
Health centre L2	80%	93%	87%	100%	42%	100%	89%	100%	100%	38%	29%	100%	45
Health centre L3	88%	94%	84%	100%	84%	100%	94%	100%	100%	35%	33%	98%	49
Health centre L4	69%	92%	77%	100%	54%	100%	85%	100%	100%	31%	31%	100%	13
other	0%	0%	0%	100%	100%	100%	0%	100%	100%	0%	0%	100%	1
Managing authority													
Ministry of Health	76%	89%	85%	100%	51%	100%	91%	96%	100%	37%	35%	97%	134
Governance Board	91%	98%	93%	100%	61%	100%	94%	98%	100%	39%	33%	98%	54

2.5.3.1. Basic consumables (continued)

	Alcohol swabs	Sterile gauze swabs	Adhesive tape	Male condoms	Straight urinary catheter	Urinary catheter with bulb for indwelling	Urine collection bag	Endotracheal tube (adult)	Endotracheal tube (paediatric)	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	40%	76%	97%	47%	78%	88%	93%	75%	38%	76%	4%	188
Atoll												
MLE	40%	60%	100%	20%	60%	40%	60%	40%	40%	65%	0%	5
HA Atoll	21%	100%	100%	71%	100%	93%	100%	64%	29%	77%	7%	14
HDH Atoll	85%	92%	100%	54%	77%	85%	85%	85%	31%	80%	8%	13
SH Atoll	21%	79%	100%	71%	71%	100%	100%	64%	21%	77%	7%	14
N Atoll	54%	54%	100%	38%	85%	92%	100%	62%	23%	73%	0%	13
R Atoll	20%	53%	100%	7%	80%	93%	100%	87%	20%	75%	7%	15
B Atoll	31%	77%	100%	31%	85%	77%	100%	69%	15%	74%	8%	13
LH Atoll	25%	25%	100%	50%	50%	50%	50%	50%	50%	56%	0%	4
K Atoll	11%	67%	100%	44%	100%	89%	89%	100%	44%	76%	11%	9
AA Atoll	50%	88%	100%	50%	63%	63%	50%	88%	88%	67%	13%	8
ADH Atoll	10%	100%	100%	60%	30%	100%	90%	70%	60%	80%	0%	10
V Atoll	20%	60%	100%	60%	60%	60%	100%	80%	60%	77%	0%	5
M Atoll	38%	75%	100%	13%	75%	88%	100%	88%	38%	76%	0%	8
F Atoll	80%	100%	100%	0%	80%	80%	100%	80%	20%	78%	0%	5
DH Atoll	0%	100%	100%	33%	83%	100%	100%	83%	67%	83%	0%	6
TH Atoll	69%	92%	100%	77%	92%	92%	92%	85%	46%	82%	0%	13
L Atoll	20%	10%	50%	80%	50%	100%	100%	60%	10%	68%	0%	10
GA Atoll	89%	100%	100%	11%	89%	100%	100%	89%	78%	84%	0%	9
GDH Atoll	89%	100%	100%	100%	100%	100%	100%	78%	33%	88%	11%	9
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	95%	0%	1
S Atoll	0%	50%	100%	0%	100%	100%	100%	50%	50%	71%	0%	4
Facility type												
Referral hospital	100%	100%	100%	100%	100%	0%	100%	100%	100%	90%	0%	1
Hospital L3	50%	83%	100%	67%	83%	83%	83%	83%	83%	90%	33%	6
Hospital L2	67%	78%	100%	56%	100%	100%	100%	100%	100%	94%	33%	9
Hospital L1	57%	86%	100%	43%	71%	100%	100%	100%	86%	92%	14%	7
Health centre L1	28%	72%	93%	39%	70%	84%	96%	77%	23%	70%	0%	57
Health centre L2	44%	84%	100%	53%	76%	91%	96%	73%	27%	76%	0%	45
Health centre L3	43%	73%	100%	45%	88%	90%	88%	67%	35%	78%	0%	49
Health centre L4	38%	69%	92%	62%	77%	92%	92%	69%	62%	76%	15%	13
other	0%	0%	100%	0%	0%	0%	0%	0%	0%	29%	0%	1
Managing authority												
Ministry of Health	37%	81%	100%	47%	78%	87%	93%	75%	42%	76%	4%	134
Governance Board	48%	63%	91%	48%	78%	91%	94%	76%	28%	77%	6%	54

Basic consumables:
Mean proportion of all
items at facilities

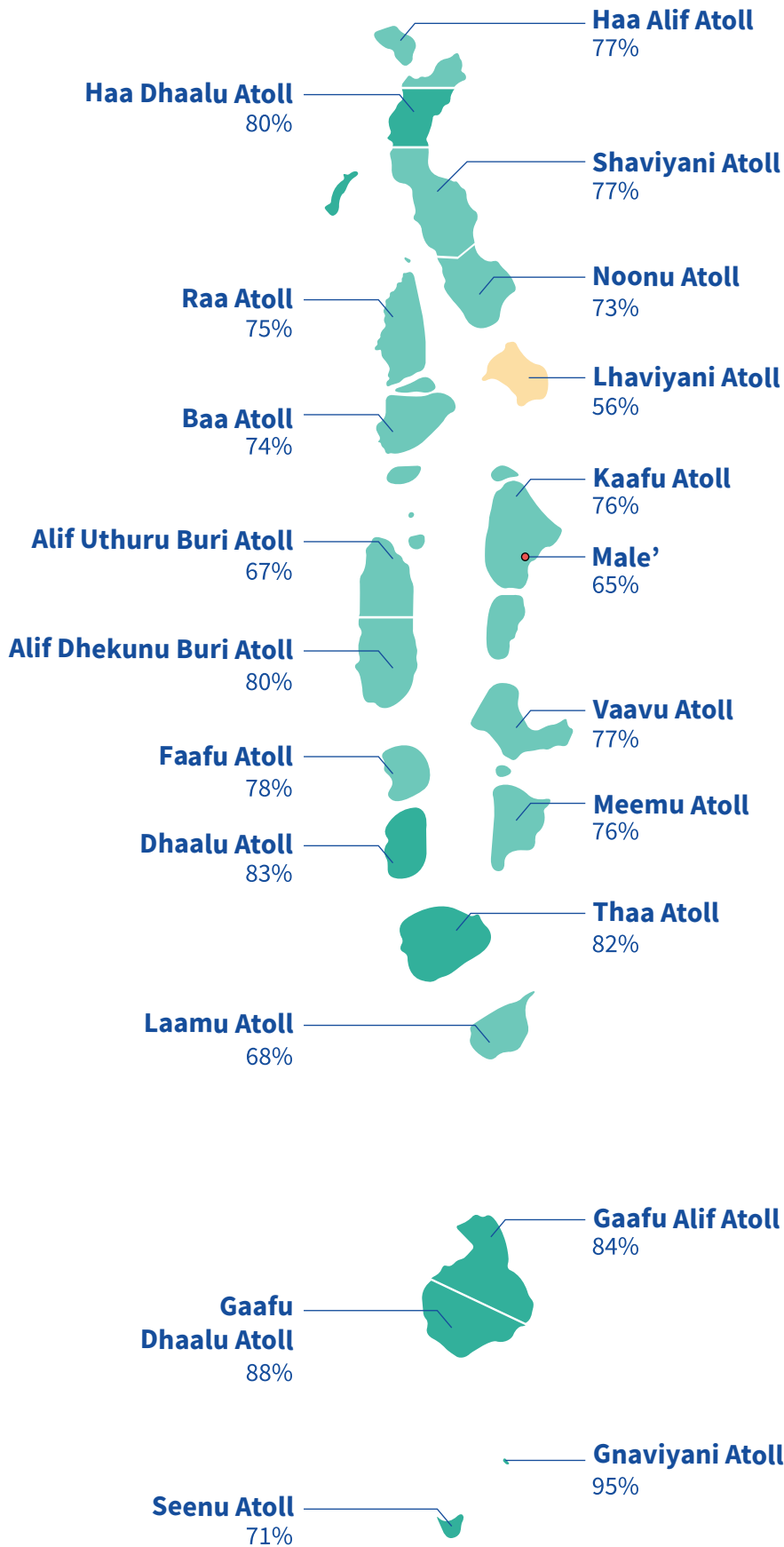
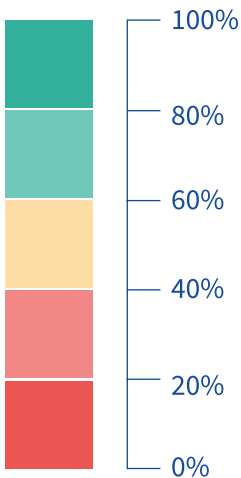


Fig. 34. Mean proportion of all basic consumable items at facilities by atoll

2.5.4. Oxygen services in the outpatient department (OPD)

2.5.4.1. Oxygen service availability (in OPD)

Table 33. (2.5.4.1) Percentage of facilities ever offering oxygen service in OPD by atoll and facility type

	Ever offer oxygen in outpatient department	n
National	85%	188
Atoll		
MLE	80%	5
HA Atoll	93%	14
HDH Atoll	92%	13
SH Atoll	100%	14
N Atoll	100%	13
R Atoll	100%	15
B Atoll	100%	13
LH Atoll	75%	4
K Atoll	78%	9
AA Atoll	88%	8
ADH Atoll	90%	10
V Atoll	100%	5
M Atoll	75%	8
F Atoll	100%	5
DH Atoll	100%	6
TH Atoll	54%	13
L Atoll	40%	10
GA Atoll	44%	9
GDH Atoll	100%	9
GN Atoll	100%	1
S Atoll	75%	4
Facility type		
Referral hospital	100%	1
Hospital L3	100%	6
Hospital L2	89%	9
Hospital L1	71%	7
Health centre L1	89%	57
Health centre L2	87%	45
Health centre L3	80%	49
Health centre L4	85%	13
Other	0%	1
Managing authority		
Ministry of Health	85%	134
Governance Board	85%	54

The results show that oxygen is ever offered in the outpatient area at 85% of the health facilities, with all Level 3 hospitals and the national referral hospital providing oxygen service. The results show that 80%–89% of Level 2 hospitals and health centres have reported that oxygen is offered in OPD; 71% of Level 1 hospitals have offered the service.

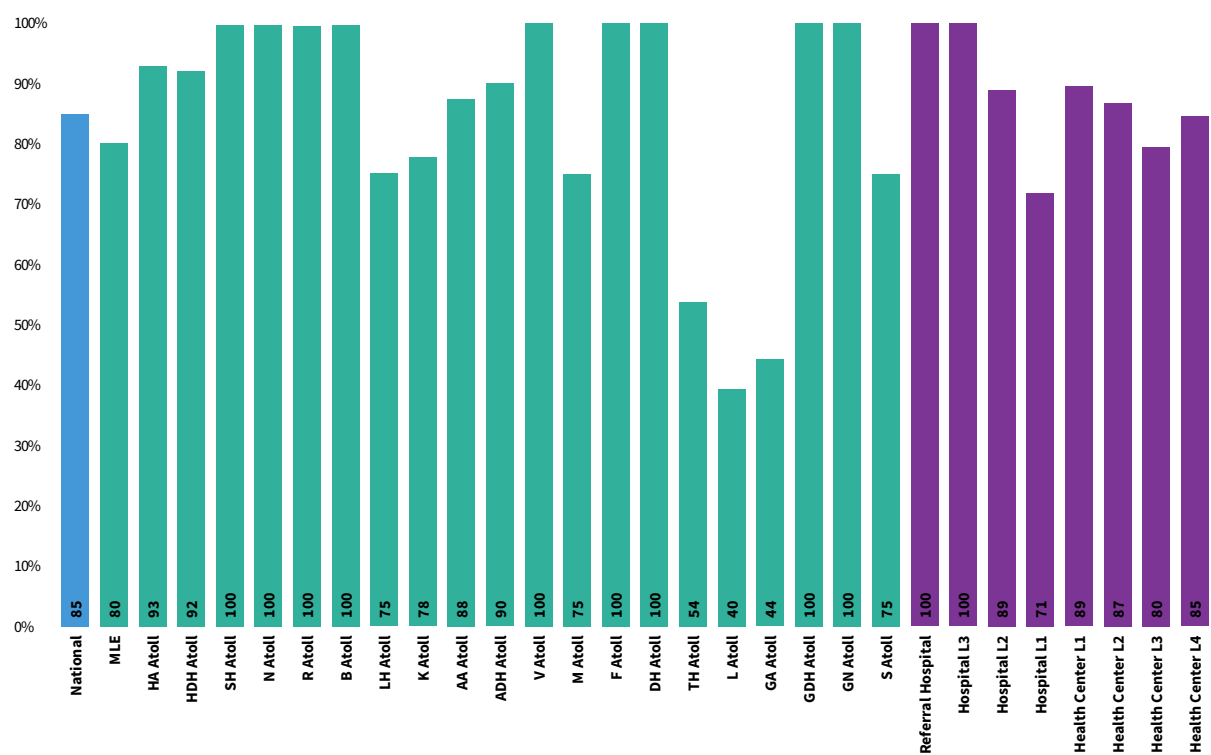


Fig. 35. Percentage of facilities ever offering oxygen service in OPD area by atoll and facility type

2.5.4.2. Oxygen service readiness (in OPD)

Table 34. (2.5.4.2) Percentage of facilities with oxygen service readiness in OPD by atoll and facility type

	Oxygen available	Pulse oximeter	Reliable oxygen services	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	77%	97%	92%	89%	69%	160
Atoll						
MLE	75%	75%	100%	83%	50%	4
HA Atoll	85%	100%	100%	95%	85%	13
HDH Atoll	100%	92%	92%	94%	83%	12
SH Atoll	100%	100%	100%	100%	100%	14
N Atoll	69%	100%	100%	90%	69%	13
R Atoll	100%	100%	93%	98%	93%	15
B Atoll	31%	100%	77%	69%	31%	13
LH Atoll	67%	100%	100%	89%	67%	3
K Atoll	100%	100%	100%	100%	100%	7
AA Atoll	29%	100%	71%	67%	29%	7
ADH Atoll	67%	100%	89%	85%	56%	9
V Atoll	80%	80%	80%	80%	60%	5
M Atoll	100%	83%	100%	94%	83%	6
F Atoll	20%	100%	100%	73%	20%	5
DH Atoll	100%	100%	100%	100%	100%	6
TH Atoll	29%	86%	86%	67%	0%	7
L Atoll	100%	100%	50%	83%	50%	4
GA Atoll	100%	100%	75%	92%	75%	4
GDH Atoll	78%	100%	100%	93%	78%	9
GN Atoll	100%	100%	100%	100%	100%	1
S Atoll	100%	100%	100%	100%	100%	3
Facility type						
Referral hospital	100%	100%	100%	100%	100%	1
Hospital L3	100%	83%	100%	94%	83%	6
Hospital L2	100%	100%	88%	96%	88%	8
Hospital L1	80%	100%	100%	93%	80%	5
Health centre L1	73%	98%	86%	86%	65%	51
Health centre L2	74%	97%	95%	89%	72%	39
Health centre L3	79%	97%	95%	91%	72%	39
Health centre L4	64%	91%	91%	82%	45%	11
Managing authority						
Ministry of Health	70%	96%	92%	86%	64%	114
Governance Board	93%	98%	91%	94%	83%	46

The results show that oxygen is available at 77% of the facilities; pulse oximeters are available at 97% of the facilities; and 92% of the facilities have reported that there is a reliable supply of oxygen. This indicates that 98% of all items for oxygen services are available at the health facilities and 69% of the facilities have all items. While the national referral hospital has all items for oxygen services, hospitals report offering 80%–88% of all items for oxygen services

2.5.5. Pharmaceutical commodity storage

2.5.5.1. Pharmaceutical storage area – main facility pharmacy store

Table 35. (2.5.5.1) Percentage of facilities with a main pharmaceutical storage area by atoll and facility type

	Medicines off the floor	Medicines protected from water	Medicines protected from direct sunlight	No evidence of pests or rodents in medicines storage area	Medicines storage area swept and clean	Sufficient air flow in medicine storage area	Main medicine storage area that can be locked	Limited access to main medicine storage area	All doors solid in medicine storage area	All windows secure in medicine storage area	Functional thermometer/thermostat	Current room temperature 15 °C to 25 °C (inclusive)	n
National	43%	95%	73%	77%	76%	84%	89%	88%	86%	84%	78%	70%	186
Atoll													
MLE	50%	100%	50%	75%	50%	75%	100%	100%	100%	100%	50%	25%	4
HA Atoll	7%	100%	50%	64%	64%	93%	93%	100%	93%	100%	100%	86%	14
HDH Atoll	23%	100%	100%	92%	100%	92%	100%	77%	69%	100%	100%	77%	13
SH Atoll	29%	100%	50%	93%	100%	100%	86%	93%	93%	86%	86%	86%	14
N Atoll	92%	100%	92%	100%	100%	100%	100%	92%	100%	100%	100%	92%	13
R Atoll	100%	87%	100%	80%	87%	93%	100%	93%	67%	93%	60%	60%	15
B Atoll	54%	100%	100%	100%	92%	92%	92%	100%	100%	100%	92%	85%	13
LH Atoll	0%	100%	75%	75%	50%	50%	100%	100%	75%	75%	0%	0%	4
K Atoll	33%	100%	89%	100%	78%	100%	100%	100%	100%	78%	100%	89%	9
AA Atoll	13%	100%	88%	88%	88%	88%	88%	100%	100%	88%	88%	88%	8
ADH Atoll	33%	67%	67%	44%	56%	78%	100%	100%	89%	100%	100%	100%	9
V Atoll	20%	100%	100%	60%	80%	80%	60%	60%	60%	20%	80%	60%	5
M Atoll	38%	50%	88%	88%	75%	63%	50%	38%	50%	88%	0%	13%	8
F Atoll	60%	100%	80%	40%	0%	80%	100%	100%	100%	100%	80%	80%	5
DH Atoll	33%	100%	83%	83%	83%	100%	100%	100%	100%	100%	100%	100%	6
TH Atoll	62%	100%	31%	62%	69%	62%	69%	54%	62%	38%	15%	8%	13
L Atoll	40%	90%	40%	10%	30%	10%	70%	90%	90%	10%	70%	30%	10
GA Atoll	11%	100%	33%	67%	56%	89%	67%	78%	89%	100%	100%	100%	9
GDH Atoll	33%	100%	56%	100%	89%	100%	100%	100%	100%	89%	89%	89%	9
GN Atoll	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	4
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	50%	100%	67%	83%	83%	67%	100%	100%	67%	83%	100%	50%	6
Hospital L2	33%	100%	44%	67%	67%	78%	100%	89%	89%	78%	78%	78%	9
Hospital L1	57%	86%	100%	57%	57%	57%	100%	100%	100%	100%	57%	57%	7
Health centre L1	48%	93%	84%	80%	84%	82%	86%	84%	80%	79%	70%	61%	56
Health centre L2	33%	98%	60%	82%	73%	96%	96%	89%	87%	87%	82%	76%	45
Health centre L3	47%	94%	76%	78%	80%	86%	80%	86%	88%	86%	84%	80%	49
Health centre L4	33%	92%	67%	67%	58%	75%	92%	100%	100%	83%	83%	75%	12
other	0%	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	1
Managing authority													
Ministry of Health	37%	95%	70%	78%	75%	86%	86%	87%	88%	86%	77%	73%	132
Governance Board	57%	94%	80%	76%	80%	80%	94%	91%	81%	80%	80%	65%	54

2.5.5.1. Pharmaceutical storage area – main facility pharmacy store (continued)

	Functional fridge with temperature 2 °C-8 °C, clean and used only for pharmaceuticals	Observed stock records	Record indicating expired/unusable drugs being removed from inventory	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	75%	63%	75%	77%	10%	186
Atoll						
MLE	50%	50%	50%	68%	0%	4
HA Atoll	79%	86%	93%	80%	0%	14
HDH Atoll	85%	85%	77%	85%	8%	13
SH Atoll	93%	64%	86%	83%	0%	14
N Atoll	92%	62%	69%	93%	46%	13
R Atoll	67%	60%	67%	81%	0%	15
B Atoll	77%	85%	92%	91%	23%	13
LH Atoll	100%	100%	100%	67%	0%	4
K Atoll	100%	67%	78%	87%	11%	9
AA Atoll	63%	63%	88%	82%	0%	8
ADH Atoll	56%	67%	89%	76%	0%	9
V Atoll	60%	60%	100%	67%	0%	5
M Atoll	75%	25%	50%	53%	0%	8
F Atoll	80%	20%	40%	71%	0%	5
DH Atoll	100%	100%	100%	92%	33%	6
TH Atoll	38%	69%	85%	55%	8%	13
L Atoll	50%	20%	20%	45%	0%	10
GA Atoll	67%	44%	78%	72%	0%	9
GDH Atoll	89%	33%	44%	81%	11%	9
GN Atoll	100%	100%	100%	93%	0%	1
S Atoll	100%	100%	75%	98%	75%	4
Facility type						
Referral hospital	100%	0%	0%	87%	0%	1
Hospital L3	67%	100%	100%	81%	33%	6
Hospital L2	100%	78%	89%	78%	11%	9
Hospital L1	43%	43%	57%	71%	0%	7
Health centre L1	73%	63%	73%	76%	11%	56
Health centre L2	67%	62%	80%	78%	2%	45
Health centre L3	84%	65%	73%	79%	14%	49
Health centre L4	83%	50%	58%	74%	8%	12
Other	100%	100%	100%	53%	0%	1
Managing authority						
Ministry of Health	77%	67%	83%	78%	10%	132
Governance Board	72%	56%	56%	76%	9%	54

The results from pharmaceutical storage show that only 43% of the facilities have medicines off the floor. It was observed that medicine storage at the health facilities had, on average, 77% of the items; however, only 10% of the health facilities had all items. The results, however, need to be observed in the context of the medicine supply system wherein health facilities do not have their pharmacies and when available, these are not managed by the health facilities. For instance, the results show that stock records are not maintained and records indicating expired/unusable drugs being removed from the inventory are not maintained at the national referral hospital. It has also been observed that the pharmacy management at the referral hospital is carried out elsewhere and thus not captured in the HHFA.

**Pharmaceutical storage area -
main facility pharmacy store:
Mean proportion of all items
at facilities**

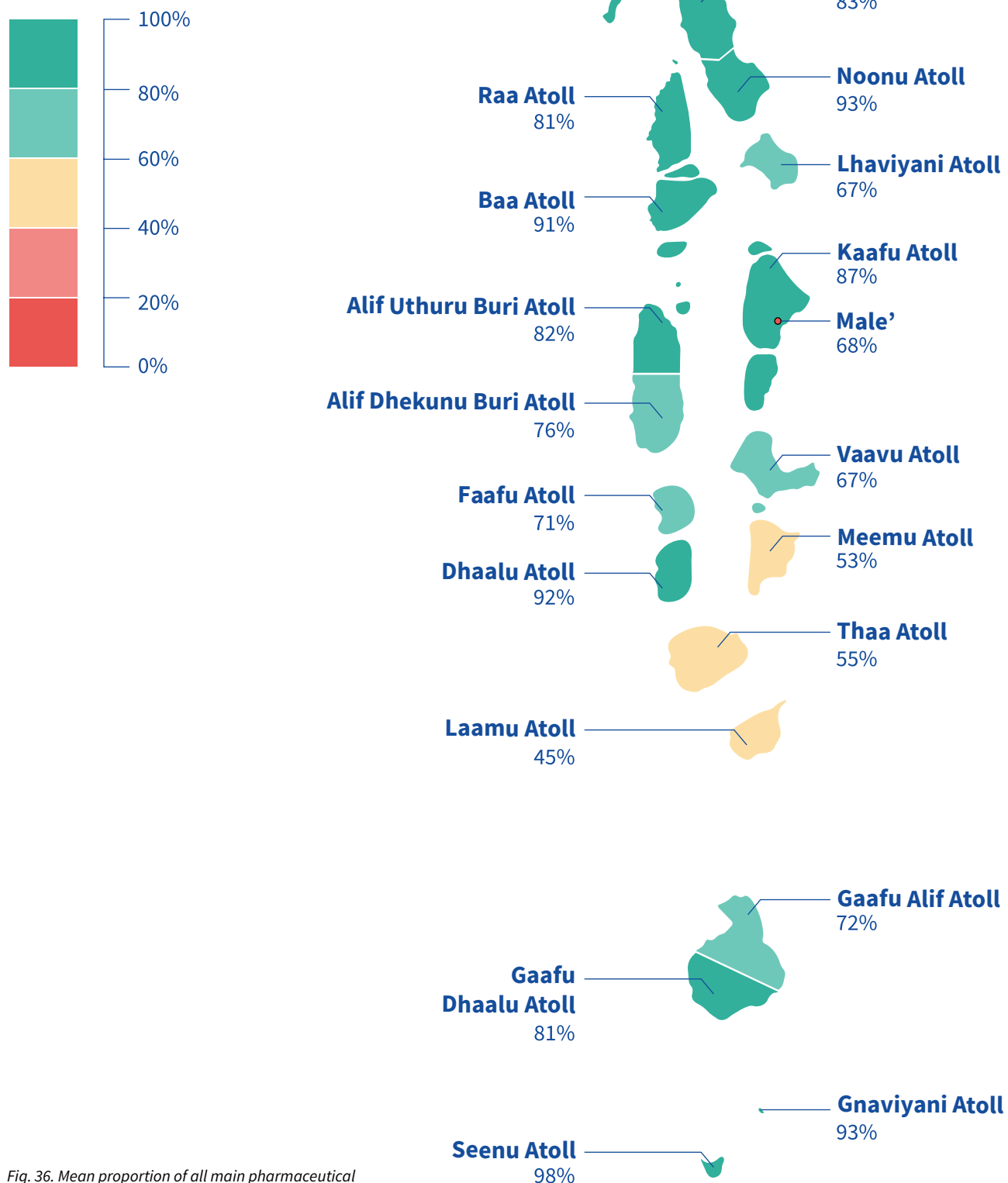


Fig. 36. Mean proportion of all main pharmaceutical storage area items at facilities by atoll

2.6. General service readiness index

2.6.1. General service readiness index

2.6.1.1. General service readiness index

Table 36. (2.6.1.1) General service readiness index by atoll and facility type

	General service readiness index	n
National	0.62	188
Atoll		
MLE	0.68	5
HA Atoll	0.62	14
HDH Atoll	0.63	13
SH Atoll	0.62	14
N Atoll	0.60	13
R Atoll	0.64	15
B Atoll	0.63	13
LH Atoll	0.63	4
K Atoll	0.63	9
AA Atoll	0.65	8
ADH Atoll	0.63	10
V Atoll	0.49	5
M Atoll	0.58	8
F Atoll	0.65	5
DH Atoll	0.67	6
TH Atoll	0.57	13
L Atoll	0.60	10
GA Atoll	0.61	9
GDH Atoll	0.67	9
GN Atoll	0.82	1
S Atoll	0.67	4
Facility type		
Referral hospital	0.90	1
Hospital L3	0.84	6
Hospital L2	0.81	9
Hospital L1	0.76	7
Health centre L1	0.52	57
Health centre L2	0.61	45
Health centre L3	0.67	49
Health centre L4	0.63	13
Other	0.37	1
Managing authority		
Ministry of Health	0.61	134
Governance Board	0.65	54

The general service readiness index is a value from 0 to 1. It is an unweighted average of five indices: basic amenities, basic equipment, standard precautions for infection prevention, diagnostic capacity and essential medicines. In this index, 1 is the highest score, indicating full readiness. The results show that at the national level, the general service readiness of the 188 government health facilities stands at 0.62. The national referral hospital is ranked first with a score of 0.90, followed by the hospitals at Level 3 (0.84), hospitals at Level 2 (0.81) and hospitals at Level 1 (0.76). Among health centres, the health centres at Level 3 have the highest score (0.67) while the Level 1 health centres have the lowest score (0.52).

General service
readiness index

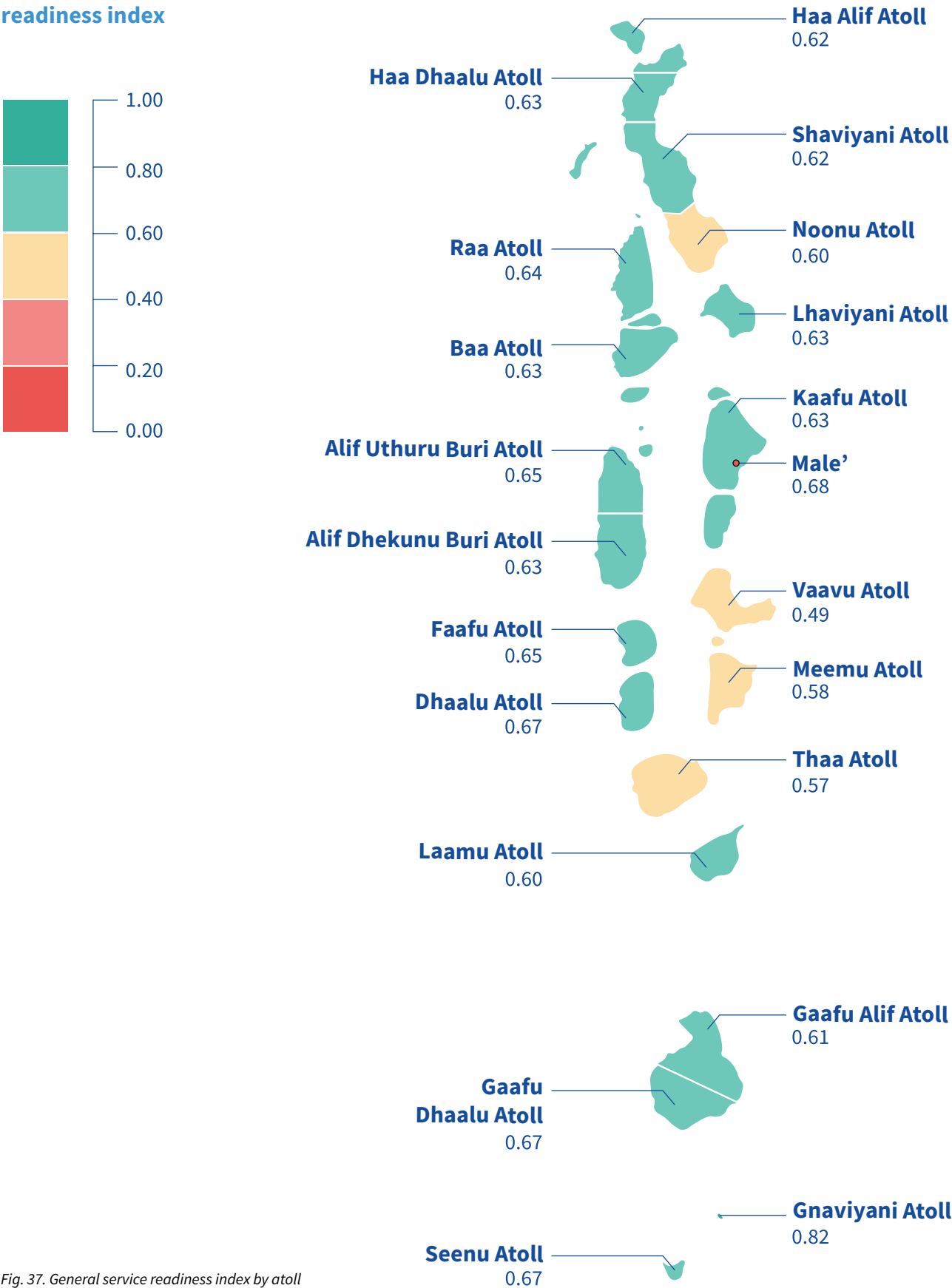


Fig. 37. General service readiness index by atoll

Volume 3 - Service Specific Availability and Readiness

Note to readers:

Please note that service availability is defined as when the service is routinely available on a regular basis, including scheduled outreach services, but excludes ad hoc or temporary services. All indicators are measured at the time of the assessment and if the service is disrupted for any reason, it is reported as “not available”. Findings of detailed analysis at the atoll level cannot be compared between atolls – it is a presentation only for the atoll concerned. This is because the denominator for each atoll is the number of facilities in that atoll and the number of facilities in each atoll varies considerably. Therefore, for an atoll with five facilities, non-availability of a service at one facility shows 80% availability, while in an atoll with 15 islands, non-availability of a service at one facility indicates 93% availability. Hence, when interpreting the indicator values, all readers are advised to refer to the last columns of the tables that provide the denominator applied to each indicator at the atoll level.

3.1. Reproductive, maternal, newborn, child and adolescent health

3.1.1. Family planning

3.1.1.1. Family planning service availability

Table 37. (3.1.1.1) Percentage of facilities offering family planning services by atoll and facility type

	Family planning services	Any modern method of contraception	Combined oral contraceptive pills	Progestin-only contraceptive pills	Combined injectable contraceptives	Progestin-only injectable contraceptives	Male condoms	Female condoms	Intrauterine contraceptive devices	Implants	Emergency contraceptives	Male sterilization	Female sterilization	Cycle beads for standard days method	n
National	93%	92%	84%	49%	3%	54%	88%	0%	10%	2%	28%	7%	8%	19%	187
Atoll															
MLE	80%	80%	80%	80%	0%	80%	80%	0%	40%	40%	80%	40%	40%	0%	5
HA Atoll	100%	100%	93%	43%	0%	57%	79%	0%	7%	0%	7%	0%	7%	0%	14
HDH Atoll	100%	100%	92%	69%	0%	92%	100%	0%	8%	0%	46%	8%	8%	8%	13
SH Atoll	93%	86%	86%	64%	7%	64%	79%	0%	7%	0%	14%	7%	7%	0%	14
N Atoll	77%	77%	69%	31%	0%	62%	77%	0%	8%	0%	8%	8%	8%	15%	13
R Atoll	100%	100%	100%	47%	0%	87%	93%	0%	7%	7%	40%	7%	7%	13%	15
B Atoll	100%	100%	62%	62%	8%	62%	100%	0%	8%	0%	23%	8%	8%	31%	13
LH Atoll	100%	100%	100%	75%	25%	75%	100%	0%	25%	0%	25%	0%	0%	25%	4
K Atoll	100%	100%	100%	56%	0%	78%	100%	0%	0%	0%	44%	0%	0%	78%	9
AA Atoll	100%	100%	88%	13%	0%	25%	88%	0%	13%	0%	50%	13%	13%	13%	8
ADH Atoll	70%	70%	70%	20%	0%	10%	70%	0%	10%	0%	20%	0%	10%	50%	10
V Atoll	80%	80%	60%	20%	0%	20%	60%	0%	0%	0%	20%	0%	0%	20%	5
M Atoll	100%	100%	88%	38%	0%	88%	100%	0%	0%	0%	25%	0%	0%	0%	8
F Atoll	100%	100%	100%	40%	0%	40%	100%	0%	0%	0%	20%	0%	0%	0%	5
DH Atoll	100%	100%	100%	50%	17%	0%	100%	0%	17%	0%	17%	17%	17%	17%	6
TH Atoll	100%	100%	92%	62%	0%	46%	100%	0%	8%	0%	23%	8%	8%	15%	13
L Atoll	80%	80%	60%	50%	0%	30%	80%	0%	10%	0%	10%	0%	0%	10%	10
GA Atoll	67%	67%	56%	56%	11%	44%	67%	0%	11%	0%	11%	11%	11%	22%	9
GDH Atoll	100%	100%	100%	33%	11%	11%	100%	0%	22%	0%	33%	11%	11%	33%	9
GN Atoll	100%	100%	100%	100%	0%	0%	100%	0%	100%	0%	100%	0%	0%	100%	1
S Atoll	100%	100%	100%	100%	0%	50%	100%	0%	25%	25%	100%	25%	25%	25%	4
Facility type															
Referral hospital	100%	100%	100%	100%	0%	100%	100%	0%	100%	100%	100%	100%	100%	0%	1
Hospital L3	100%	100%	100%	100%	17%	67%	100%	0%	100%	50%	100%	83%	83%	50%	6
Hospital L2	100%	100%	100%	89%	56%	67%	100%	0%	100%	0%	89%	67%	78%	33%	9
Hospital L1	100%	100%	100%	86%	0%	71%	100%	0%	29%	0%	86%	14%	29%	43%	7
Health centre L1	88%	86%	67%	23%	0%	44%	75%	0%	0%	0%	7%	0%	0%	9%	57
Health centre L2	96%	96%	93%	44%	0%	53%	93%	0%	2%	0%	22%	0%	0%	27%	45
Health centre L3	96%	96%	90%	67%	0%	61%	96%	0%	0%	0%	24%	0%	0%	14%	49
Health centre L4	85%	85%	85%	46%	0%	46%	85%	0%	0%	0%	38%	0%	0%	15%	13

Availability of family planning services is high, with 93% of the facilities offering family planning services and 92% offering modern methods of contraception [including sterilization (male or female), oral contraceptive (any type), IUDs, injectable (any type), implants, condoms (male)]. The proportion of family planning services and modern contraceptive services availability is the lowest in GA Atoll, followed by those in ADH, N, L and V atolls. All hospitals provide family planning and modern contraceptives.

While combined oral contraceptive pills are provided at 84% of the facilities, progestin-only pills are provided at half of the facilities (49%). Emergency contraceptives are provided at only 28% of the facilities, with all Level 3 hospitals and the national referral hospital providing the service. Male and female sterilizations are provided at less than 10% of the health facilities and implants are available at only 2% of the facilities in Malé (MLE), R and S atolls. Combined injectables are not provided by the National Programme on Family Planning, but a few health facilities have reported providing the service, perhaps offered through private individuals and delivered at the facilities. Although cycle beads are not provided by the National Programme, 19% of the facilities reported providing the service. Female condoms are not provided at any of the health facilities, as expected, as these are not provided through the National Programme on Family Programme.

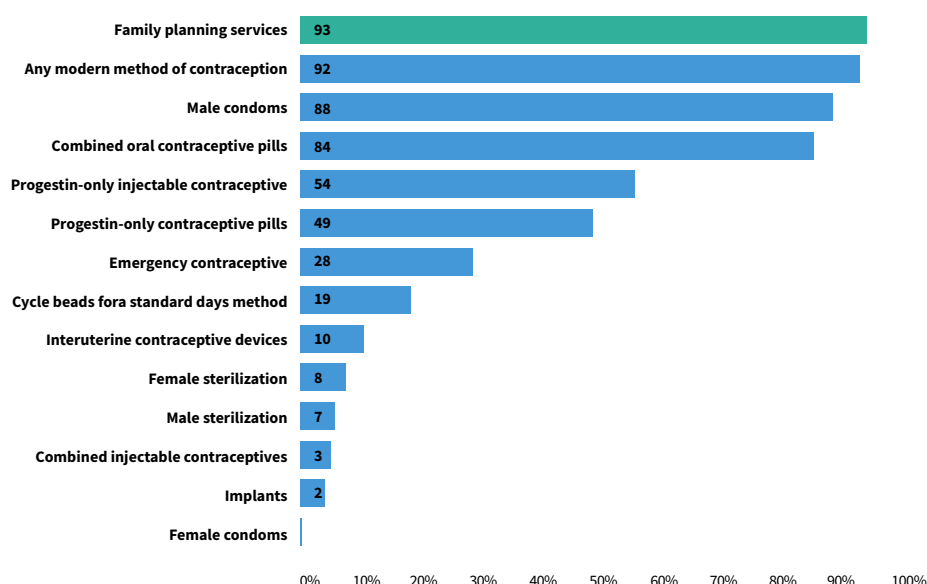


Fig. 38. Percentage of facilities offering family planning services

Percentage of facilities offering family planning services

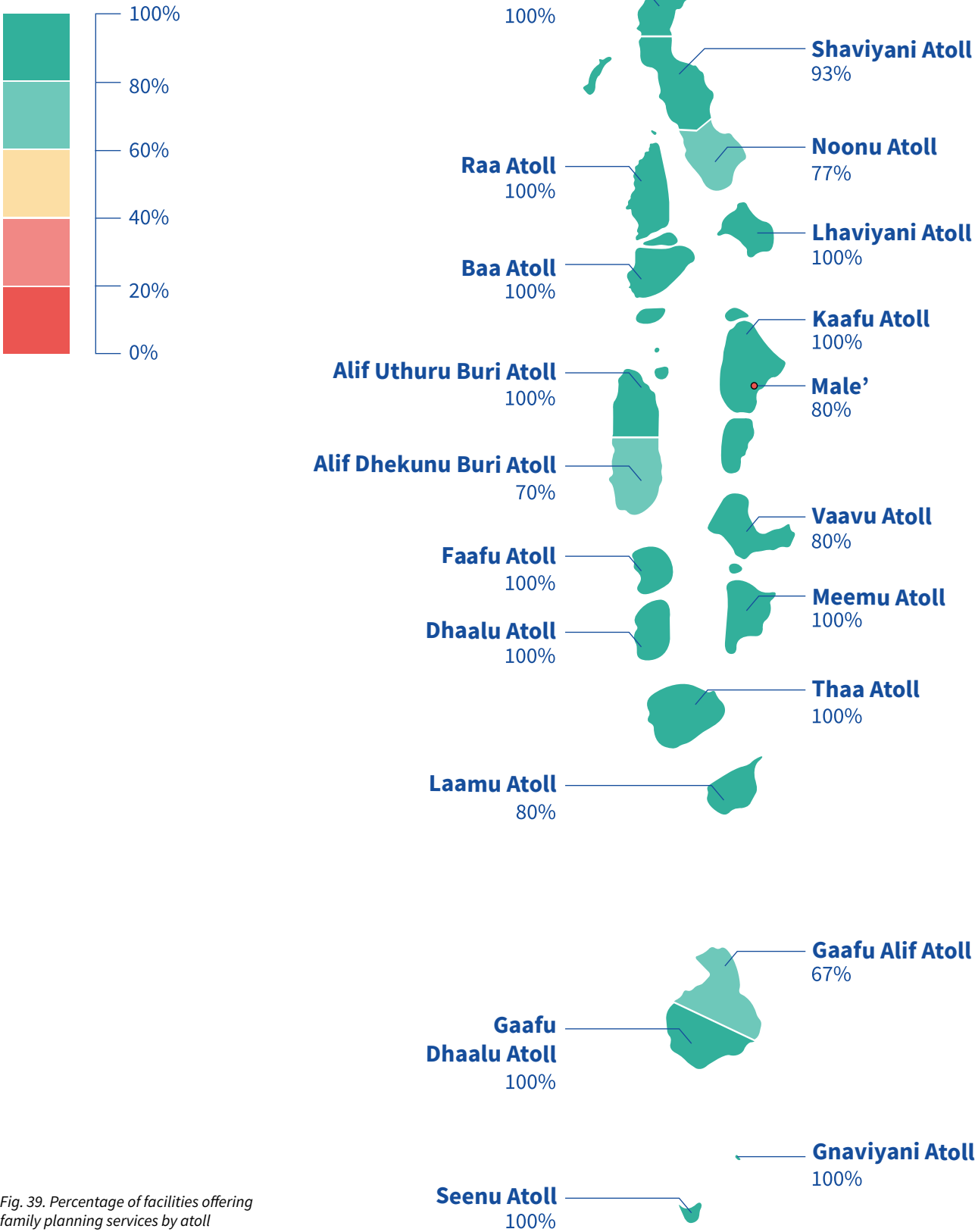


Fig. 39. Percentage of facilities offering family planning services by atoll

3.1.1.2. Family planning service readiness

Table 38. (3.1.1.2) Family planning service readiness by atoll and facility type

	Staff and guidelines			Medicines and commodities								n
	National family planning guidelines	Family planning checklists and/or job aids	Staff trained in family planning	Mean proportion of staff and guideline items at facilities	Combined estrogen and progesterone oral contraceptive pills	Progestin-only injectable contraceptives	Injectable contraceptives	Condoms	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	
National	32%	43%	7%	27%	78%	47%	75%	90%	73%	53%	25%	174
Atoll												
MLE	75%	75%	25%	58%	100%	100%	100%	100%	100%	82%	25%	4
HA Atoll	14%	43%	7%	21%	50%	50%	57%	64%	55%	41%	0%	14
HDH Atoll	77%	92%	23%	64%	92%	69%	100%	100%	90%	79%	15%	13
SH Atoll	62%	38%	8%	36%	85%	69%	92%	85%	83%	63%	8%	13
N Atoll	30%	0%	10%	13%	90%	0%	80%	100%	68%	44%	0%	10
R Atoll	20%	27%	0%	16%	73%	40%	80%	93%	72%	48%	0%	15
B Atoll	31%	46%	8%	28%	62%	62%	85%	100%	77%	56%	0%	13
LH Atoll	50%	75%	25%	50%	100%	100%	100%	100%	100%	79%	0%	4
K Atoll	11%	44%	0%	19%	100%	44%	100%	100%	86%	57%	0%	9
AA Atoll	38%	63%	25%	42%	63%	25%	38%	88%	53%	48%	13%	8
ADH Atoll	57%	86%	14%	52%	86%	43%	43%	100%	68%	61%	0%	7
V Atoll	25%	25%	0%	17%	50%	25%	25%	75%	44%	32%	0%	4
M Atoll	13%	38%	0%	17%	75%	38%	75%	88%	69%	46%	0%	8
F Atoll	0%	0%	0%	0%	100%	20%	60%	100%	70%	40%	0%	5
DH Atoll	17%	83%	0%	33%	100%	0%	100%	100%	75%	57%	0%	6
TH Atoll	31%	38%	0%	23%	69%	54%	62%	69%	63%	46%	0%	13
L Atoll	25%	13%	0%	13%	75%	50%	50%	100%	69%	45%	0%	8
GA Atoll	0%	33%	0%	11%	67%	67%	100%	100%	83%	52%	0%	6
GDH Atoll	22%	11%	0%	11%	89%	22%	78%	89%	69%	44%	0%	9
GN Atoll	100%	100%	0%	67%	100%	100%	100%	100%	100%	86%	0%	1
S Atoll	25%	25%	0%	17%	75%	75%	50%	75%	69%	46%	0%	4
Facility type												
Referral hospital	100%	100%	0%	67%	100%	100%	100%	100%	100%	86%	0%	1
Hospital L3	67%	67%	17%	50%	100%	67%	100%	100%	92%	74%	17%	6
Hospital L2	56%	56%	22%	44%	100%	78%	100%	100%	94%	73%	11%	9
Hospital L1	57%	43%	14%	38%	100%	100%	100%	100%	100%	73%	14%	7
Health centre L1	26%	38%	2%	22%	58%	22%	56%	80%	54%	40%	0%	50
Health centre L2	28%	47%	9%	28%	74%	40%	65%	88%	67%	50%	2%	43
Health centre L3	30%	36%	2%	23%	87%	62%	89%	96%	84%	57%	0%	47
Health centre L4	27%	45%	18%	30%	100%	55%	91%	100%	86%	62%	9%	11

Family planning service readiness is assessed using indicator items with regard to guidelines, staff, medicines and commodities. Only one third of the facilities have family planning guidelines at the point of service, 43% have job aids and checklists while only 7% have had staff trained in family planning in the past two years. This translates to only 27% of the staff and guideline items across the health facilities. Hospitals report a higher proportion of staff and guideline items with 67% at the national referral hospital and 50% at Level 3 hospitals. The atolls with the lowest readiness for guidelines and staff for family planning are F, K, V, M, HA, GA, GDH and S atolls, with less than 20% of the facilities having items regarding guidelines and staff. Furthermore, 73% of the family planning medicines and commodities are available at the health facilities, with HA, AA and V reporting lower readiness.

Overall, for family planning readiness, only half (53%) of all items are available at the health facilities, with hospitals reporting higher readiness, ranging from 86% at the national referral hospital to 73% at other hospitals. Nationally, only 3% of the health facilities have all items for readiness to deliver family planning services.

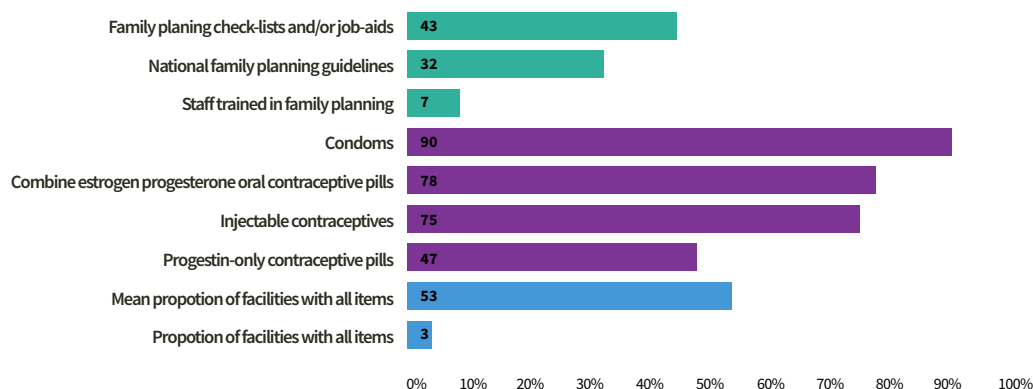


Fig. 40. Family planning service readiness: proportion of facilities with items

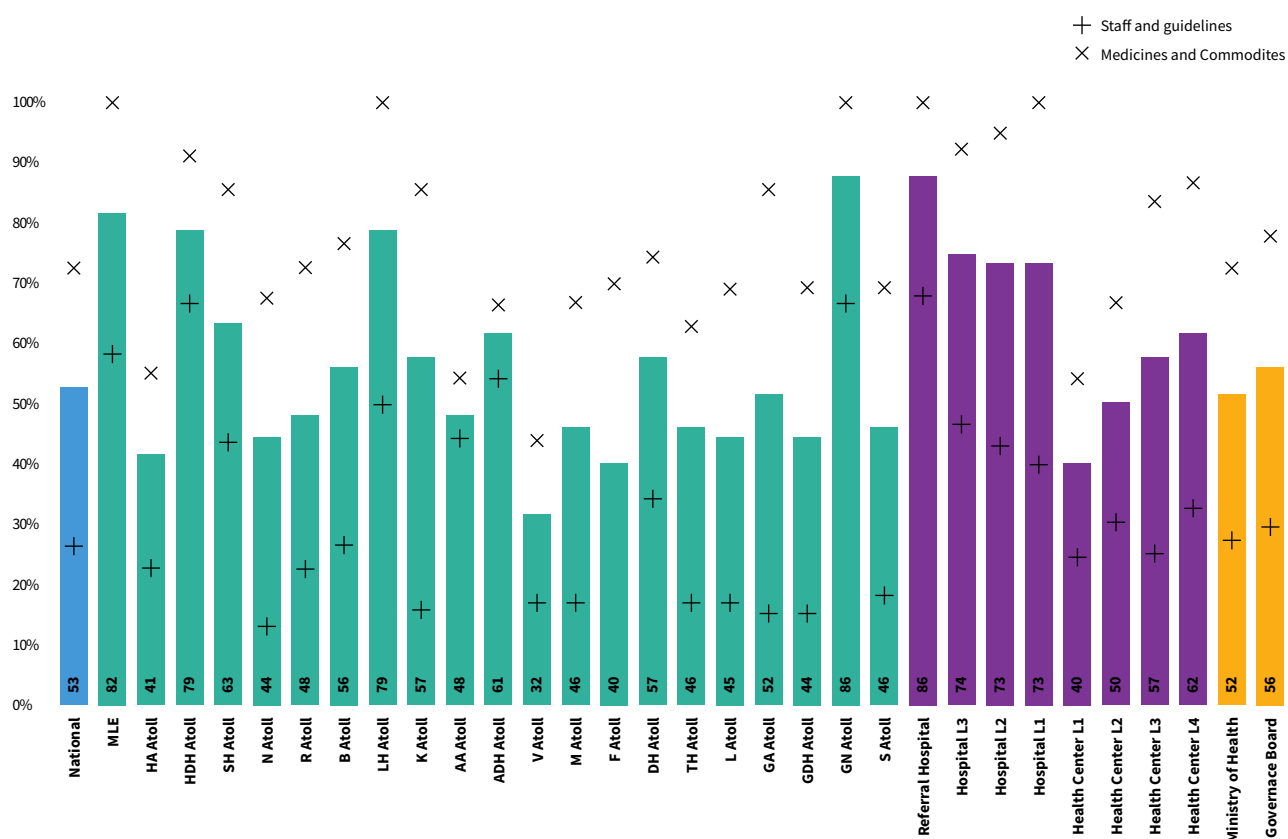


Fig. 41. Family planning service readiness: mean proportion of all items at facilities by atoll and facility type

Family planning service readiness: Mean proportion of all items at facilities

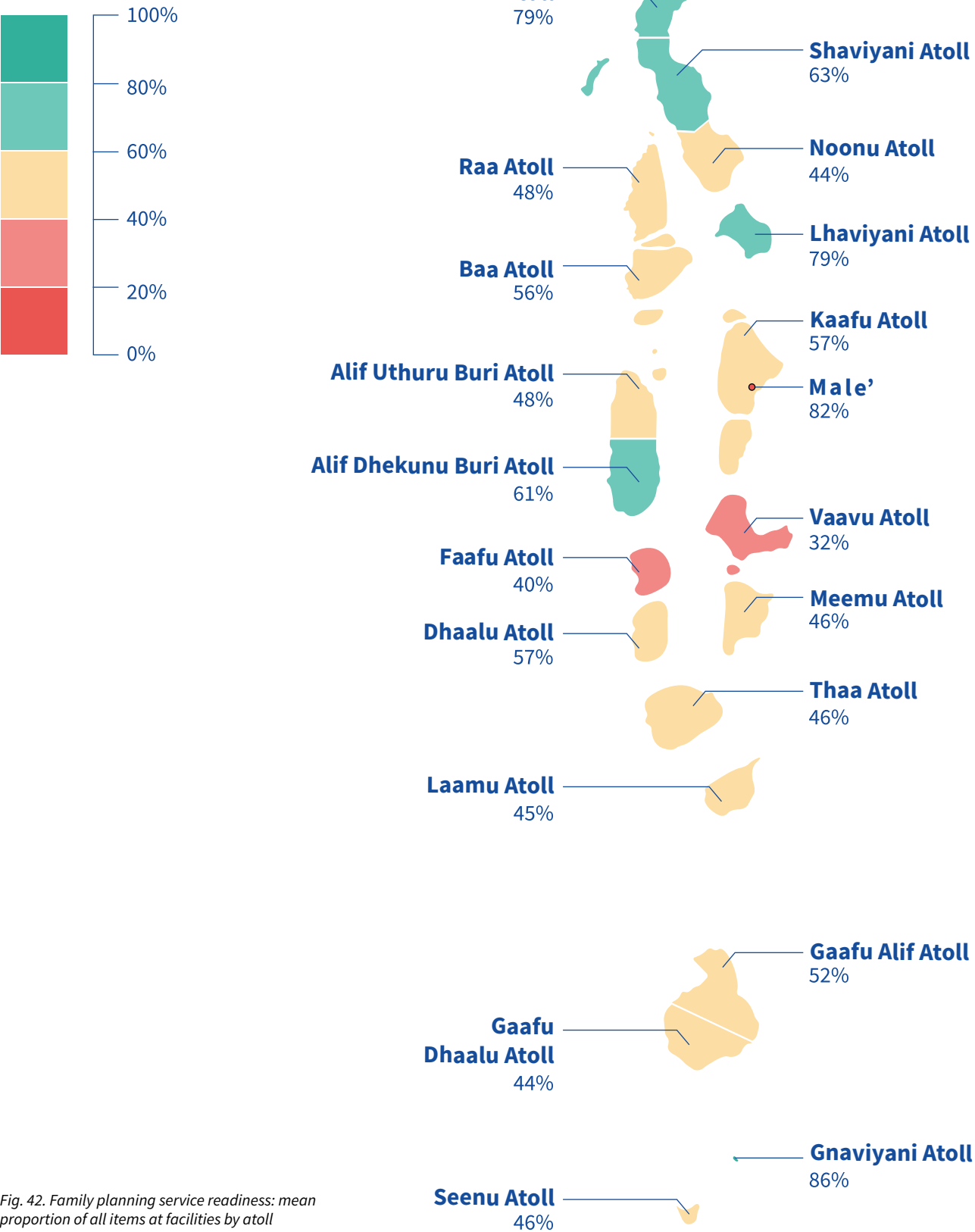


Fig. 42. Family planning service readiness: mean proportion of all items at facilities by atoll

3.1.1.3. Family planning auxiliary indicators

Table 39. (3.1.1.3) Percentage of facilities offering family planning auxiliary services by atoll and facility type

	Individual client record/ chart/card	At least three modern methods of contraception available	At least five modern methods of contraception available	No stockout during the past three months of emergency contraceptives	n
National	85%	71%	22%	16%	174
MLE	100%	100%	100%	50%	4
HA Atoll	86%	57%	7%	7%	14
HDH Atoll	100%	100%	31%	54%	13
SH Atoll	92%	77%	15%	8%	13
N Atoll	90%	80%	10%	10%	10
R Atoll	93%	80%	33%	20%	15
B Atoll	77%	54%	23%	8%	13
LH Atoll	100%	100%	50%	25%	4
K Atoll	100%	100%	22%	0%	9
AA Atoll	88%	50%	25%	13%	8
ADH Atoll	100%	43%	14%	29%	7
V Atoll	50%	25%	25%	25%	4
M Atoll	63%	88%	13%	25%	8
F Atoll	80%	40%	20%	20%	5
DH Atoll	83%	67%	17%	0%	6
TH Atoll	85%	69%	8%	0%	13
L Atoll	63%	63%	13%	0%	8
GA Atoll	67%	83%	17%	0%	6
GDH Atoll	78%	44%	22%	22%	9
GN Atoll	100%	100%	100%	100%	1
S Atoll	75%	100%	50%	25%	4
Facility type					
Referral hospital	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	67%	6
Hospital L2	89%	100%	100%	44%	9
Hospital L1	100%	100%	86%	71%	7
Health centre L1	72%	46%	2%	2%	50
Health centre L2	81%	72%	9%	9%	43
Health centre L3	94%	83%	19%	15%	47
Health centre L4	100%	73%	27%	18%	11

The record-keeping for family planning clients is commendable, with 84% of the facilities maintaining client records. All facilities providing family planning services in Malé, HDH, LH, K, ADH and GN atolls also maintain client records. All facilities in these localities and all hospitals also offer at least three modern methods of contraception while at the national level, 71% of the facilities offer at least three modern methods of contraception. Nationally, only 22% of the facilities offer at least five modern methods of contraception while 100% of facilities in Malé and GN atolls provide at least five modern methods of contraception. All hospitals at Levels 2 and 3 and the national referral hospital also provide at least five modern methods of contraception. Almost all facilities have reported stockouts of emergency contraceptives, except for the hospital in GN Atoll and the national referral hospital, resulting in only 16% of the facilities reporting no stockouts of emergency contraceptives.

3.1.2. Antenatal care

3.1.2.1. Antenatal care service availability

Table 40. (3.1.2.1) Percentage of facilities offering antenatal care services by atoll and facility type

	Antenatal care services	Iron supplementation	Folic acid supplementation	Tetanus toxoid vaccination	Monitoring for hypertensive disorder of pregnancy	Routine checks for urine protein	Calcium supplementation for women at risk of pre-eclampsia	Low-dose aspirin for women at risk of pre-eclampsia	HIV testing for pregnant women	Emergency contraceptivesa Routine syphilis testing for pregnant women	Treatment for pregnant women with syphilis	Diagnosis & treatment for sexually pregnant women with sexually transmitted infections	Monitoring of gestational diabetes	n
National	75%	49%	50%	72%	73%	44%	32%	18%	48%	46%	35%	40%	69%	187
Atoll														
MLE	60%	60%	60%	80%	80%	60%	80%	80%	80%	80%	60%	80%	80%	4
HA Atoll	71%	7%	7%	79%	79%	36%	7%	0%	50%	50%	64%	64%	71%	14
HDH Atoll	100%	77%	77%	92%	77%	31%	15%	8%	46%	46%	46%	38%	46%	13
SH Atoll	93%	50%	57%	93%	93%	71%	43%	21%	71%	71%	71%	79%	93%	14
N Atoll	77%	38%	38%	46%	54%	46%	38%	15%	38%	38%	15%	38%	62%	13
R Atoll	100%	80%	80%	93%	100%	60%	27%	7%	60%	60%	40%	40%	100%	15
B Atoll	100%	85%	85%	85%	100%	46%	38%	31%	46%	31%	31%	23%	100%	13
LH Atoll	100%	25%	25%	75%	100%	50%	25%	0%	75%	75%	0%	50%	100%	4
K Atoll	100%	78%	78%	100%	100%	33%	44%	22%	67%	67%	44%	33%	100%	9
AA Atoll	75%	75%	75%	75%	75%	38%	75%	50%	25%	25%	25%	25%	75%	8
ADH Atoll	70%	60%	60%	70%	70%	50%	30%	0%	40%	40%	30%	50%	60%	10
V Atoll	80%	20%	20%	80%	80%	20%	40%	0%	60%	60%	20%	40%	80%	5
M Atoll	100%	38%	38%	100%	100%	25%	13%	13%	50%	25%	13%	38%	100%	8
F Atoll	100%	60%	60%	100%	100%	60%	60%	20%	80%	80%	40%	80%	100%	5
DH Atoll	67%	33%	50%	67%	67%	50%	67%	67%	67%	67%	50%	17%	67%	6
TH Atoll	46%	46%	46%	46%	46%	38%	23%	8%	38%	31%	8%	8%	38%	13
L Atoll	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10
GA Atoll	11%	22%	22%	22%	22%	67%	0%	0%	11%	11%	11%	11%	11%	9
GDH Atoll	67%	33%	33%	67%	56%	33%	33%	33%	44%	44%	44%	44%	44%	9
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	50%	25%	25%	50%	50%	50%	50%	25%	50%	50%	50%	50%	50%	4
Facility type														
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	100%	83%	100%	100%	100%	100%	100%	100%	100%	6
Hospital L2	89%	56%	67%	89%	89%	89%	67%	67%	100%	100%	78%	100%	89%	9
Hospital L1	100%	100%	100%	100%	100%	100%	86%	57%	100%	100%	100%	100%	100%	7
Health centre L1	65%	35%	35%	51%	56%	16%	12%	9%	14%	12%	11%	7%	56%	57
Health centre L2	80%	47%	49%	80%	80%	33%	24%	7%	40%	40%	36%	44%	69%	45
Health centre L3	76%	55%	55%	78%	76%	57%	39%	14%	65%	57%	33%	39%	69%	49
Health centre L4	69%	46%	46%	77%	77%	77%	38%	15%	77%	77%	62%	69%	77%	13

The results show that at the national level, antenatal care (ANC) services are available at 75% of the facilities. L and GA atolls have less than 10% of the facilities (one facility in each atoll) providing antenatal services. In TH Atoll, less than half (46%) of the facilities provide antenatal services and in Malé, three out of five facilities provide antenatal services. In Malé, one facility is specialized for blood disorders and does not provide family planning service. All hospitals, except for one Level 2 hospital, provide antenatal services, supplementation, HIV and routine syphilis testing and treatment of STIs for pregnant women, and conduct monitoring of gestational diabetes

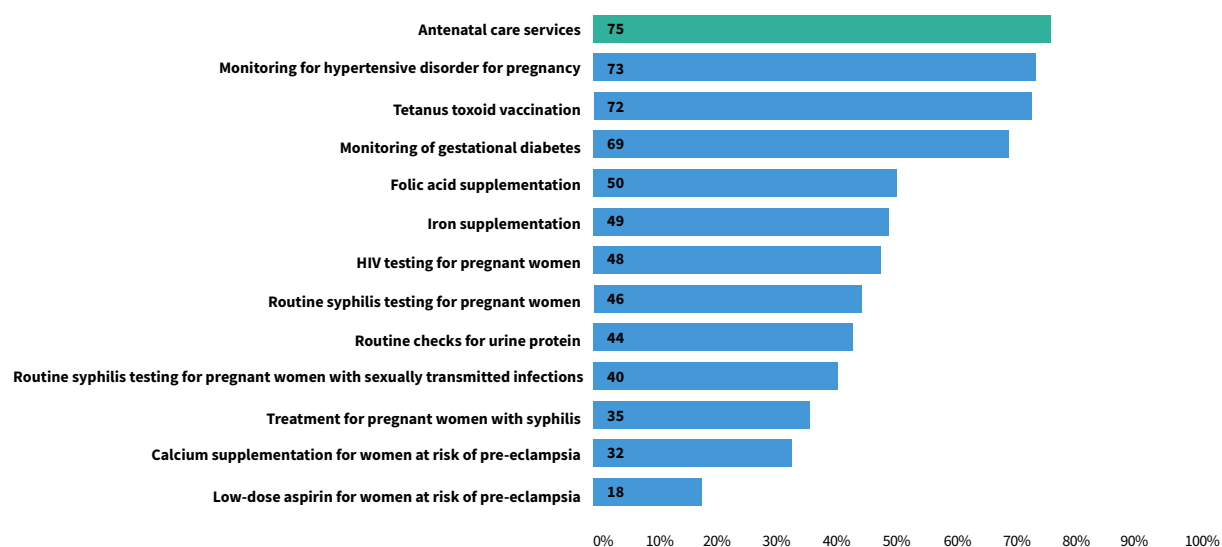


Fig. 43. Percentage of facilities offering antenatal care services

Percentage of facilities offering antenatal care services

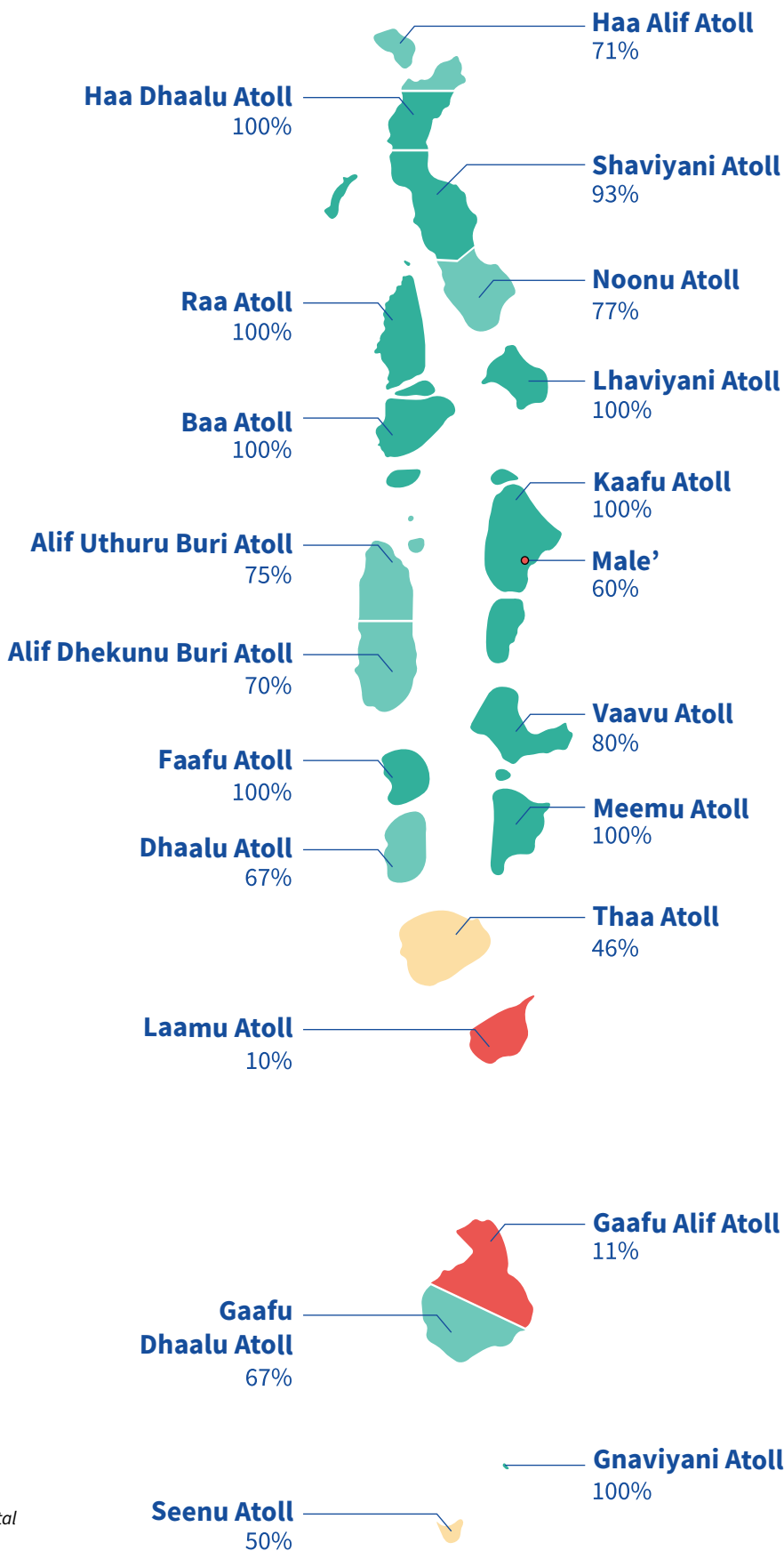
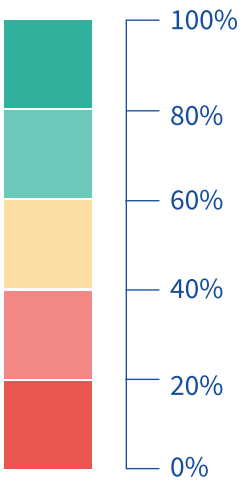


Fig. 44. Percentage of facilities offering antenatal care services by atoll

3.1.2.2. Antenatal care service readiness

Table 41. (3.1.2.2) Percentage of facilities with antenatal care service readiness items by atoll and facility type

	Staff and guidelines					Equipment							n
	National guidelines on ANC	ANC checklists and/or job aids	Staff trained in ANC	Mean proportion of staff and guideline items at facilities	Blood pressure apparatus	Tape measure	Foetal stethoscope	Adult weighing scale	Examination bed	Mean proportion of staff and guideline items at facilities	Iron tablets	Folic acid tablets	
National	18%	46%	16%	27%	86%	91%	74%	93%	79%	85%	59%	87%	141
Atoll													
MLE	67%	67%	67%	67%	100%	100%	67%	100%	100%	93%	100%	100%	3
HA Atoll	0%	70%	10%	27%	90%	90%	90%	90%	90%	90%	40%	100%	10
HDH Atoll	15%	54%	23%	31%	85%	85%	85%	92%	62%	82%	62%	92%	13
SH Atoll	38%	62%	8%	36%	77%	92%	85%	85%	92%	86%	54%	77%	13
N Atoll	10%	20%	10%	13%	100%	100%	100%	100%	100%	100%	40%	80%	10
R Atoll	7%	47%	7%	20%	100%	93%	93%	100%	100%	97%	33%	93%	15
B Atoll	46%	46%	23%	38%	85%	92%	77%	92%	85%	86%	54%	62%	13
LH Atoll	50%	25%	25%	33%	100%	100%	100%	100%	100%	100%	25%	75%	4
K Atoll	0%	44%	0%	15%	78%	89%	67%	100%	100%	87%	56%	100%	9
AA Atoll	17%	17%	17%	17%	100%	100%	100%	100%	100%	100%	100%	100%	6
ADH Atoll	0%	57%	14%	24%	86%	100%	43%	100%	43%	74%	100%	100%	7
V Atoll	0%	25%	0%	8%	75%	100%	75%	75%	50%	75%	50%	50%	4
M Atoll	0%	38%	13%	17%	75%	100%	25%	100%	50%	70%	63%	100%	8
F Atoll	20%	40%	20%	27%	100%	80%	40%	100%	80%	80%	100%	100%	5
DH Atoll	50%	75%	0%	42%	100%	50%	75%	100%	100%	85%	100%	100%	4
TH Atoll	0%	17%	17%	11%	50%	100%	33%	67%	17%	53%	33%	50%	6
L Atoll	0%	100%	100%	67%	100%	100%	100%	100%	100%	100%	100%	100%	1
GA Atoll	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	1
GDH Atoll	33%	50%	17%	33%	50%	83%	33%	67%	33%	53%	50%	100%	6
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	0%	50%	50%	33%	100%	50%	100%	100%	100%	90%	100%	100%	2
Facility type													
Referral hospital	0%	100%	100%	67%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	67%	83%	100%	83%	100%	100%	100%	100%	100%	100%	83%	100%	6
Hospital L2	75%	75%	88%	79%	100%	88%	88%	100%	88%	93%	100%	100%	8
Hospital L1	29%	57%	57%	48%	100%	100%	86%	100%	100%	97%	86%	86%	7
Health centre L1	22%	38%	5%	22%	84%	89%	70%	92%	81%	83%	38%	73%	37
Health centre L2	6%	47%	3%	19%	89%	92%	78%	89%	75%	84%	64%	94%	36
Health centre L3	11%	46%	3%	20%	76%	95%	70%	92%	73%	81%	59%	89%	37
Health centre L4	0%	11%	0%	4%	89%	78%	56%	100%	78%	80%	44%	89%	9

3.1.2.2. Antenatal care service readiness (continued)

Table 41. (3.1.2.2) Percentage of facilities with antenatal care service readiness items by atoll and facility type

	Medicines and commodities				Diagnostics							n
	Tetanus toxoid vaccine	Calcium tablets	Benzyl penicillin or ciprofloxacin	Mean proportion of medicine and commodity items at facilities	Haemoglobin testing capacity	Urine dipstick-protein test	HIV diagnostic testing capacity	Syphilis diagnostic capacity	Mean proportion of diagnostic items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	
National	89%	72%	81%	78%	48%	66%	59%	56%	57%	66%	5%	141
Atoll												
MLE	100%	100%	100%	100%	100%	100%	100%	67%	92%	90%	33%	3
HA Atoll	90%	90%	90%	82%	70%	70%	70%	60%	68%	71%	0%	10
HDH Atoll	100%	62%	92%	82%	54%	62%	54%	54%	56%	67%	8%	13
SH Atoll	92%	85%	69%	75%	54%	85%	62%	69%	67%	70%	0%	13
N Atoll	60%	90%	80%	70%	30%	50%	50%	50%	45%	63%	10%	10
R Atoll	87%	67%	93%	75%	60%	60%	60%	60%	60%	68%	0%	15
B Atoll	85%	54%	54%	62%	38%	54%	46%	46%	46%	61%	15%	13
LH Atoll	100%	25%	75%	60%	25%	100%	75%	50%	63%	68%	0%	4
K Atoll	100%	89%	100%	89%	33%	56%	44%	44%	44%	65%	0%	9
AA Atoll	100%	100%	100%	100%	33%	33%	33%	33%	33%	70%	0%	6
ADH Atoll	100%	100%	100%	100%	57%	86%	71%	43%	64%	71%	0%	7
V Atoll	25%	0%	0%	25%	0%	50%	25%	25%	25%	37%	0%	4
M Atoll	100%	75%	88%	85%	25%	50%	38%	50%	41%	58%	0%	8
F Atoll	100%	20%	20%	68%	80%	80%	80%	60%	75%	66%	0%	5
DH Atoll	100%	100%	100%	100%	75%	50%	75%	75%	69%	78%	0%	4
TH Atoll	83%	17%	67%	50%	33%	83%	83%	83%	71%	49%	0%	6
L Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	94%	0%	1
GA Atoll	0%	100%	100%	80%	0%	0%	0%	0%	0%	53%	0%	1
GDH Atoll	100%	100%	100%	90%	33%	83%	67%	83%	67%	64%	17%	6
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	100%	100%	100%	100%	100%	100%	100%	50%	88%	82%	0%	2
Facility type												
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	94%	0%	1
Hospital L3	100%	83%	100%	93%	100%	100%	100%	100%	100%	95%	50%	6
Hospital L2	100%	75%	100%	95%	88%	88%	100%	100%	94%	91%	38%	8
Hospital L1	100%	71%	71%	83%	71%	100%	100%	71%	86%	82%	0%	7
Health centre L1	81%	70%	68%	66%	5%	22%	8%	8%	11%	50%	0%	37
Health centre L2	83%	69%	89%	80%	42%	58%	47%	42%	47%	63%	3%	36
Health centre L3	95%	70%	78%	78%	65%	92%	86%	89%	83%	70%	0%	37
Health centre L4	100%	89%	89%	82%	89%	100%	100%	89%	94%	71%	0%	9

Antenatal care readiness is assessed with the mean proportions of (i) staff and guideline items at the facilities; (ii) equipment items at the facilities; (iii) medicine and commodity items at the facilities; and (iv) diagnostic items at the facilities. Of the 188 facilities, 141 facilities have reported on readiness items. The results indicate that about 18% of the facilities have guidelines and 16% of the staff have been trained in the past two years in any aspect of antenatal care; none of the staff members has had any training in K, V, DH and GA atolls while all Level 3 hospitals and the national referral hospital have trained staff. About half (48%) of the facilities have job aids and checklists. At the national level, one fourth (27%) of the guidelines and staff are available at the facilities.

With regard to equipment, 89% of the of equipment items are available at the facilities, with over 90% at the hospitals and over 80% at the health centres. TH and GDH atolls have reported the lowest proportion of equipment items at facilities.

The proportion of medicine and commodity items at facilities is adequate, with 78% of the medicines and commodities available nationally. V Atoll has reported the lowest proportion (25%) of medicines and commodities. While the national referral hospital has all medicines and commodities, other hospitals have reported over 80% availability. The proportion available at health centres varies from 66% to 82%.

At the national level, 57% of the diagnostic items are offered at the facilities. All Level 3 hospitals and the national referral hospital offer diagnostic tests, but the proportion of diagnostic tests at health centres varies widely. At the atoll level, none of the facilities in GA Atoll has reported any diagnostic test for antenatal care during the assessment. The most plausible reason for this result is disruption in laboratory services due to non-availability of laboratory technologists.

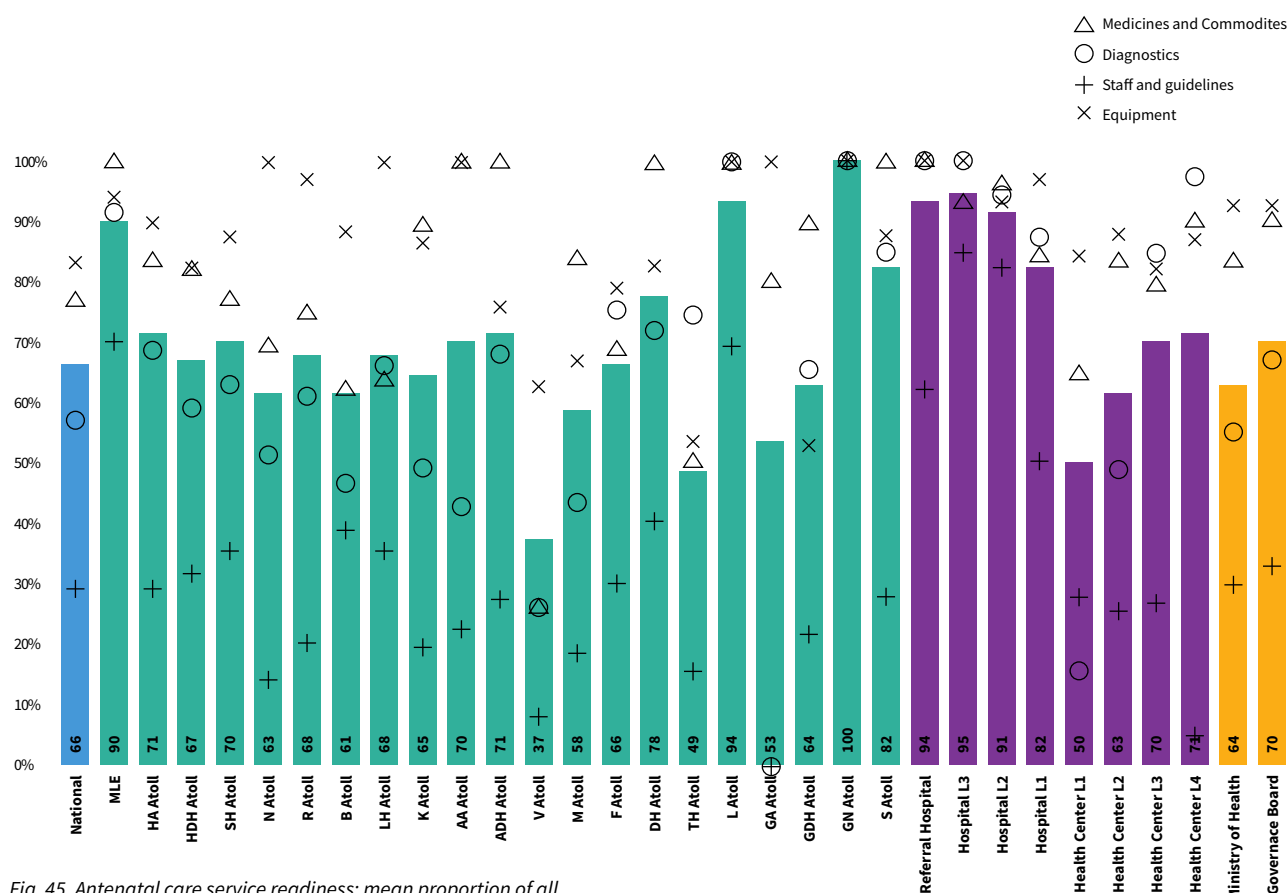


Fig. 45. Antenatal care service readiness: mean proportion of all items at facilities by atoll and facility type

Antenatal care service
readiness: Mean proportion
of all items at facilities

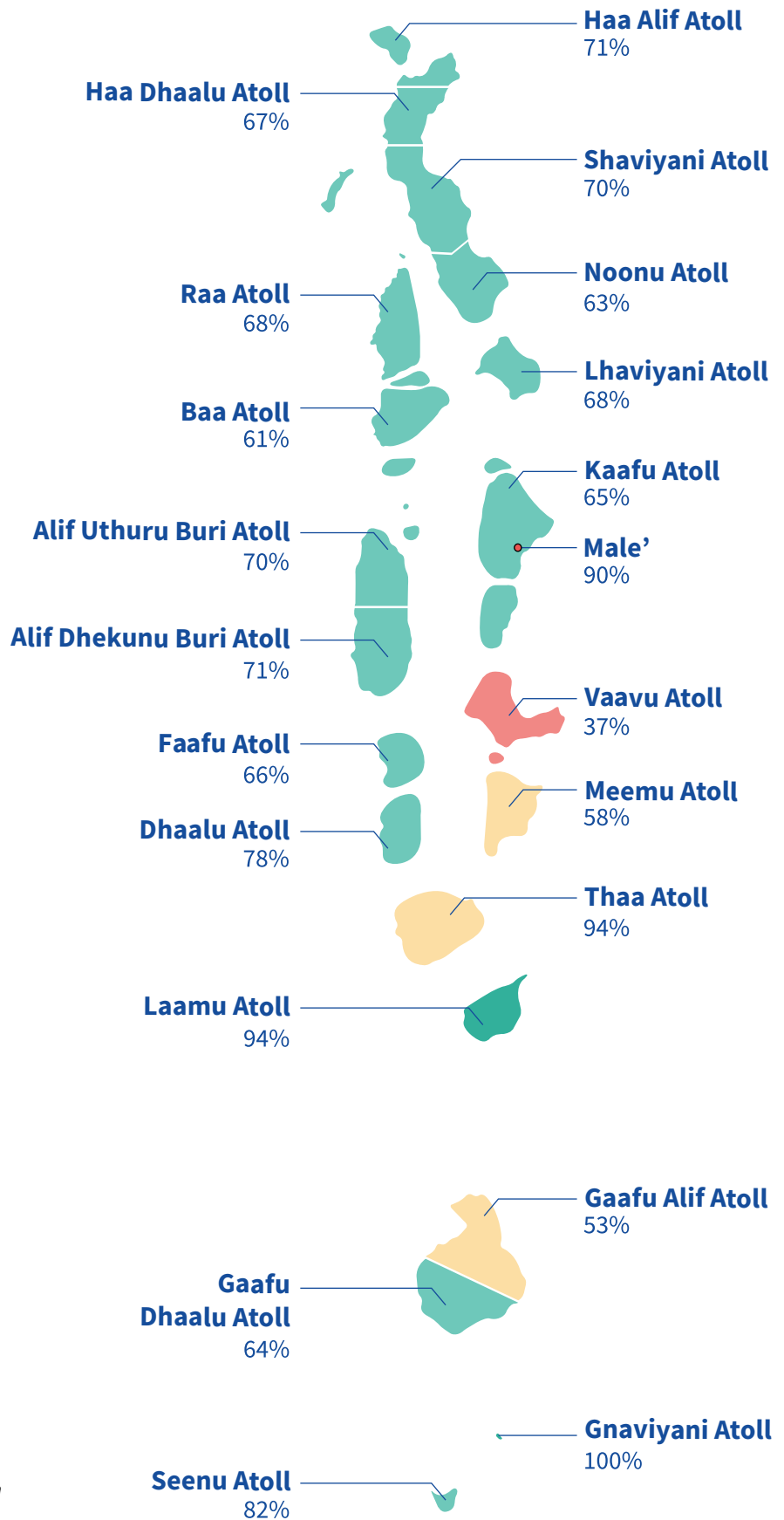
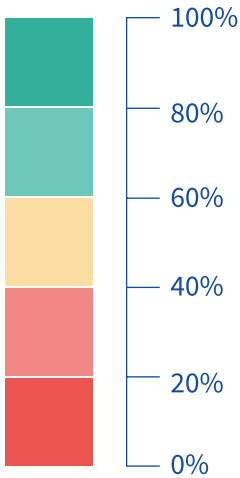


Fig. 46. Antenatal care service readiness: mean proportion of all items at facilities by atoll

3.1.3. Delivery and basic emergency obstetric and newborn care (BEmONC)

3.1.3.1. Delivery service availability

Table 42. (3.1.3.1) Percentage of facilities offering delivery services (offered on an outpatient or an inpatient basis or both or outreach or clinics of visiting teams) by atoll and facility type

	Delivery services	24-hour/7 days a week delivery services by a skilled service provider	Basic emergency obstetric care (BEmOC) – facility reported	All seven basic obstetric and newborn care signal functions (BEmONC)	n
National	28%	24%	27%	10%	186
Atoll					
MLE	60%	60%	60%	40%	3
HA Atoll	29%	29%	36%	0%	14
HDH Atoll	23%	23%	31%	8%	13
SH Atoll	50%	50%	50%	7%	14
N Atoll	38%	23%	31%	8%	13
R Atoll	7%	13%	13%	7%	15
B Atoll	8%	8%	8%	8%	13
LH Atoll	75%	25%	75%	25%	4
K Atoll	22%	22%	22%	0%	9
AA Atoll	75%	75%	75%	13%	8
ADH Atoll	20%	10%	10%	0%	10
V Atoll	0%	0%	0%	0%	5
M Atoll	13%	13%	13%	13%	8
F Atoll	60%	40%	40%	20%	5
DH Atoll	17%	17%	17%	17%	6
TH Atoll	15%	8%	15%	8%	13
L Atoll	10%	10%	10%	10%	10
GA Atoll	22%	22%	11%	11%	9
GDH Atoll	33%	33%	33%	11%	9
GN Atoll	100%	100%	100%	100%	1
S Atoll	25%	25%	25%	25%	4
Facility type					
Referral hospital	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	6
Hospital L2	100%	100%	100%	89%	9
Hospital L1	71%	71%	71%	43%	7
Health centre L1	9%	5%	11%	0%	57
Health centre L2	20%	13%	16%	0%	45
Health centre L3	29%	24%	29%	0%	49
Health centre L4	23%	31%	23%	0%	12

Only a small proportion (28%) of the health facilities provides delivery services. Delivery services are reported in all atolls except in V Atoll and at only one facility each in L and GA atolls. All Level 2 and Level 3 hospitals and the national referral hospital provide 24/7 delivery services by a skilled service provider and offer basic emergency obstetric care (BEmOC). While all Level 3 hospitals and the national referral hospital have all seven basic emergency obstetric and newborn care (BEmONC) signal functions, these are available only at some Level 2 and Level 1 hospitals. The number of health centres providing 24/7 delivery and BEmONC services varies by health centre levels from 11% to 23%, and none of the health centres provides all seven BEmOC signal functions. Most atolls have at least one facility with all seven BEmONC signal functions. In HA, K and V atolls, none of the facilities provides all seven BEmONC signal functions.

3.1.3.1. Delivery service availability

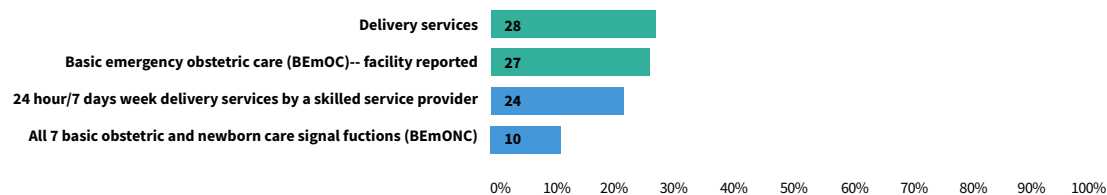


Fig. 47. Percentage of facilities offering delivery services

Percentage of facilities offering all 7 basic emergency obstetric and newborn care signal functions (BEmONC)

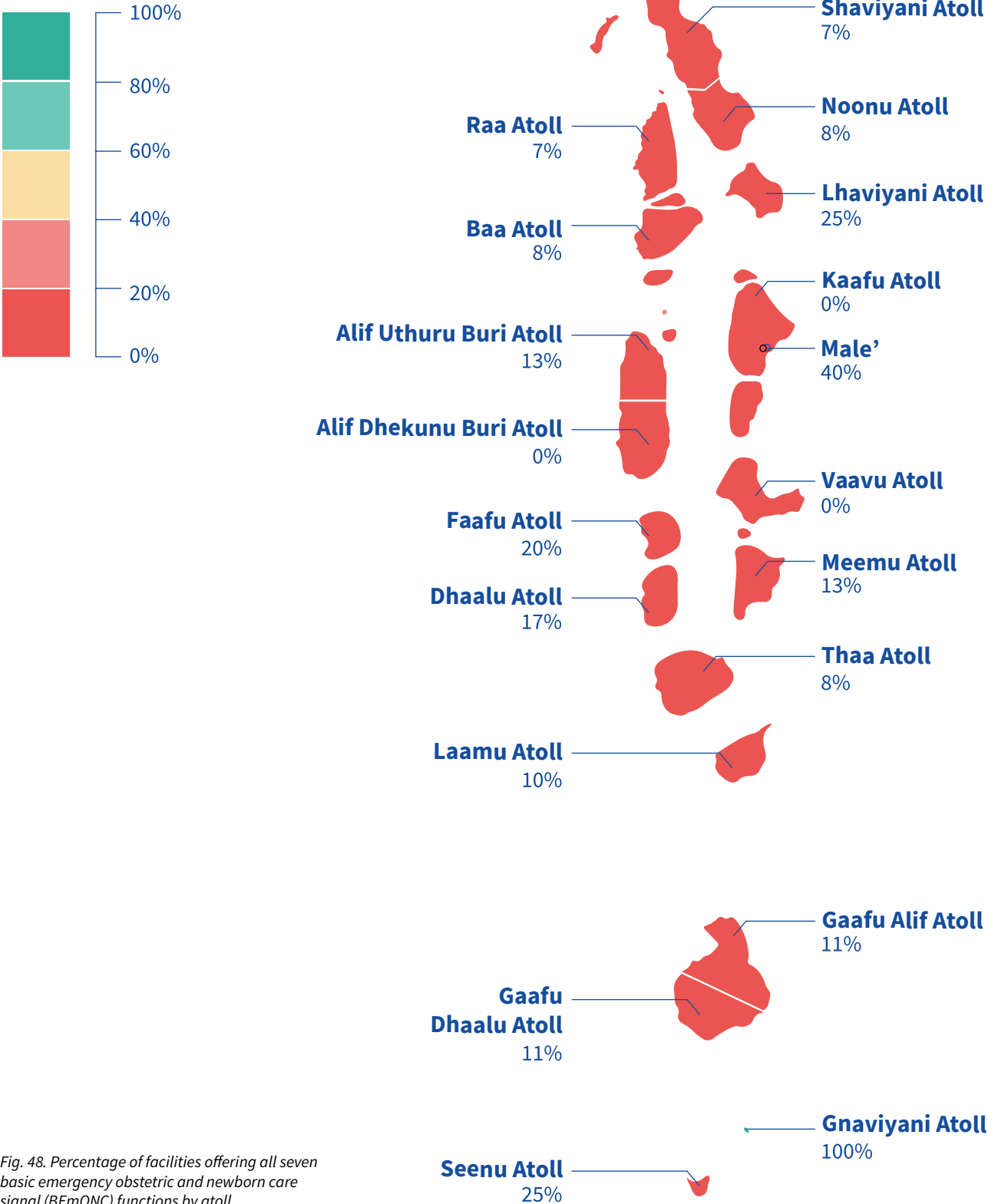


Fig. 48. Percentage of facilities offering all seven basic emergency obstetric and newborn care signal (BEmONC) functions by atoll

3.1.3.2. Obstetric care signal functions, newborn care signal functions and perinatal routine practice service availability

Table 43. (3.1.3.2) Percentage of facilities offering delivery services with obstetric care signal functions, newborn care signal functions and perinatal routine practice services by atoll and facility type

	Obstetric							Newborn					
	Parenteral administration of antibiotics for mothers	Parenteral administration of oxytocic for treatment of postpartum haemorrhage	Parenteral administration of anticonvulsants	Assisted vaginal delivery	Manual removal of placenta	Manual removal of retained products	Mean proportion of obstetric items at facilities	Neonatal resuscitation with bag and mask	Antibiotics for preterm or prolonged PROM to prevent infection	Corticosteroids in preterm labour	Kangaroo mother care (KMC) for premature/very small babies	Injectable antibiotics for neonatal sepsis	n
National	56%	62%	44%	38%	50%	35%	47%	52%	52%	50%	25%	83%	52
Atoll													
MLE	67%	100%	100%	67%	67%	67%	78%	67%	67%	67%	67%	67%	3
HA Atoll	50%	75%	25%	25%	25%	0%	33%	50%	75%	75%	0%	75%	4
HDH Atoll	100%	100%	33%	33%	67%	33%	61%	33%	33%	67%	33%	67%	3
SH Atoll	29%	43%	14%	14%	43%	14%	26%	14%	14%	14%	0%	100%	7
N Atoll	40%	60%	40%	20%	60%	20%	40%	20%	40%	40%	0%	80%	5
R Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	1
B Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
LH Atoll	67%	33%	33%	33%	33%	33%	39%	67%	33%	33%	0%	33%	3
K Atoll	100%	50%	0%	0%	0%	0%	25%	100%	0%	0%	0%	50%	2
AA Atoll	17%	17%	17%	17%	17%	17%	17%	33%	17%	17%	50%	100%	6
ADH Atoll	50%	100%	100%	50%	50%	0%	58%	50%	100%	100%	0%	50%	2
M Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	1
F Atoll	33%	33%	33%	33%	33%	33%	33%	33%	67%	67%	33%	67%	3
DH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	1
TH Atoll	50%	50%	50%	50%	50%	50%	50%	100%	50%	50%	0%	100%	2
L Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
GA Atoll	100%	50%	50%	50%	100%	50%	67%	50%	100%	50%	50%	100%	2
GDH Atoll	33%	67%	33%	33%	33%	33%	39%	67%	67%	67%	33%	100%	3
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	83%	100%	6
Hospital L2	100%	100%	100%	100%	89%	89%	96%	100%	100%	89%	33%	100%	9
Hospital L1	80%	100%	100%	80%	60%	60%	80%	60%	80%	80%	40%	80%	5
Health centre L1	0%	20%	0%	0%	20%	0%	7%	20%	0%	0%	20%	60%	5
Health centre L2	22%	44%	11%	0%	22%	0%	17%	33%	33%	44%	11%	56%	9
Health centre L3	36%	29%	7%	0%	21%	0%	15%	21%	21%	14%	0%	93%	14
Health centre L4	67%	67%	0%	0%	67%	0%	33%	33%	33%	33%	0%	67%	3

3.1.3.2. Obstetric care signal functions, newborn care signal functions and perinatal routine practice service availability (continued)

Table 43. (3.1.3.2) Percentage of facilities offering delivery services with obstetric care signal functions, newborn care signal functions and perinatal routine practice services by atoll and facility type

Perinatal											
	Mean proportion of newborn items at facilities	Administration of oxytocin for the prevention of postpartum haemorrhage	Monitoring and management of labour using partograph	Immediate and exclusive breastfeeding	Hygienic cord care	Drying and wrapping the neonate and immediate skin-to-skin contact	Rooming in for mother and neonate	Mean proportion of perinatal items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	52%	2%	58%	94%	87%	77%	85%	67%	56%	0%	52
Atoll											
MLE	67%	33%	67%	100%	67%	100%	100%	78%	75%	0%	3
HA Atoll	55%	0%	50%	100%	100%	50%	75%	63%	50%	0%	4
HDH Atoll	47%	0%	67%	100%	100%	100%	100%	78%	63%	0%	3
SH Atoll	29%	0%	43%	100%	100%	100%	100%	74%	44%	0%	7
N Atoll	36%	0%	60%	80%	80%	80%	80%	63%	47%	0%	5
R Atoll	80%	0%	100%	100%	100%	100%	100%	83%	88%	0%	1
B Atoll	80%	0%	100%	100%	100%	100%	100%	83%	88%	0%	1
LH Atoll	33%	0%	33%	100%	33%	67%	100%	56%	43%	0%	3
K Atoll	30%	0%	0%	100%	100%	100%	100%	67%	41%	0%	2
AA Atoll	43%	0%	17%	67%	50%	33%	17%	31%	29%	0%	6
ADH Atoll	60%	0%	100%	100%	100%	0%	50%	58%	59%	0%	2
M Atoll	80%	0%	100%	100%	100%	100%	100%	83%	88%	0%	1
F Atoll	53%	0%	33%	100%	100%	100%	100%	72%	53%	0%	3
DH Atoll	80%	0%	100%	100%	100%	0%	100%	67%	82%	0%	1
TH Atoll	60%	0%	50%	100%	100%	100%	100%	75%	62%	0%	2
L Atoll	100%	0%	100%	100%	100%	0%	100%	67%	88%	0%	1
GA Atoll	70%	0%	100%	100%	100%	100%	100%	83%	74%	0%	2
GDH Atoll	67%	0%	100%	100%	100%	100%	100%	83%	63%	0%	3
GN Atoll	100%	0%	100%	100%	100%	100%	100%	83%	94%	0%	1
S Atoll	100%	0%	100%	100%	100%	100%	100%	83%	94%	0%	1
Facility type											
Referral hospital	100%	100%	100%	100%	100%	100%	100%	83%	94%	0%	1
Hospital L3	97%	0%	100%	100%	100%	83%	100%	81%	92%	0%	6
Hospital L2	84%	0%	100%	100%	100%	67%	100%	78%	86%	0%	9
Hospital L1	68%	0%	80%	100%	80%	80%	100%	77%	75%	0%	5
Health centre L1	20%	0%	0%	60%	20%	40%	40%	27%	18%	0%	5
Health centre L2	36%	0%	22%	89%	100%	78%	67%	59%	37%	0%	9
Health centre L3	30%	0%	36%	100%	86%	86%	86%	65%	37%	0%	14
Health centre L4	33%	0%	100%	100%	100%	100%	100%	83%	51%	0%	3

On average, less than half (47%) of the obstetric items are available at the health facilities. However, the Level 3 hospitals and the national referral hospital have all obstetric items; Level 2 hospitals have 96% of the items and Level 1 hospitals have 80% of the items. At health centres, the availability of obstetric items varies from 33% at Level 4 health centres to 7% at Level 1 health centres. Among the signal functions reported for obstetric care, 56% of the facilities provide parenteral administration of antibiotics for mothers; 62% provide parenteral administration of oxytocin for treatment of postpartum haemorrhage; 44% provide parenteral administration of anticonvulsants; 38% provide assisted vaginal delivery; 50% provide manual removal of placenta; and 35% provide manual removal of retained products. All six items are available at hospitals at all levels and the national referral hospital.

Similarly, although 52% of the newborn care items are available at the facilities overall, all items are available at the national referral hospital and at most of the Level 3 (97%) and Level 2 hospitals (84%). Among the signal functions of newborn care, 52% have neonatal resuscitation with bag and mask, 52% have antibiotics for preterm or prolonged premature rupture of membranes (PROM) to prevent infection, 50% provide corticosteroids in preterm labour, 83% have injectable antibiotics for neonatal sepsis, but only 25% provide kangaroo mother care (KMC) for premature/very small babies.

The mean proportion of the perinatal items at the facilities is 67%. Perinatal routine service items show 58% of the facilities providing monitoring and management of labour using partograph; 94% providing immediate and exclusive breastfeeding; 87% providing hygienic cord care; 77% ensuring drying and wrapping the neonate and immediate skin-to-skin contact; and 85% providing rooming in for mother and neonate. However, only 2% of the facilities (including the national referral hospital) have reported administration of oxytocin for the prevention of postpartum haemorrhage. However, as reported in obstetric signal functions, 62% provide oxytocin for treatment of postpartum haemorrhage.

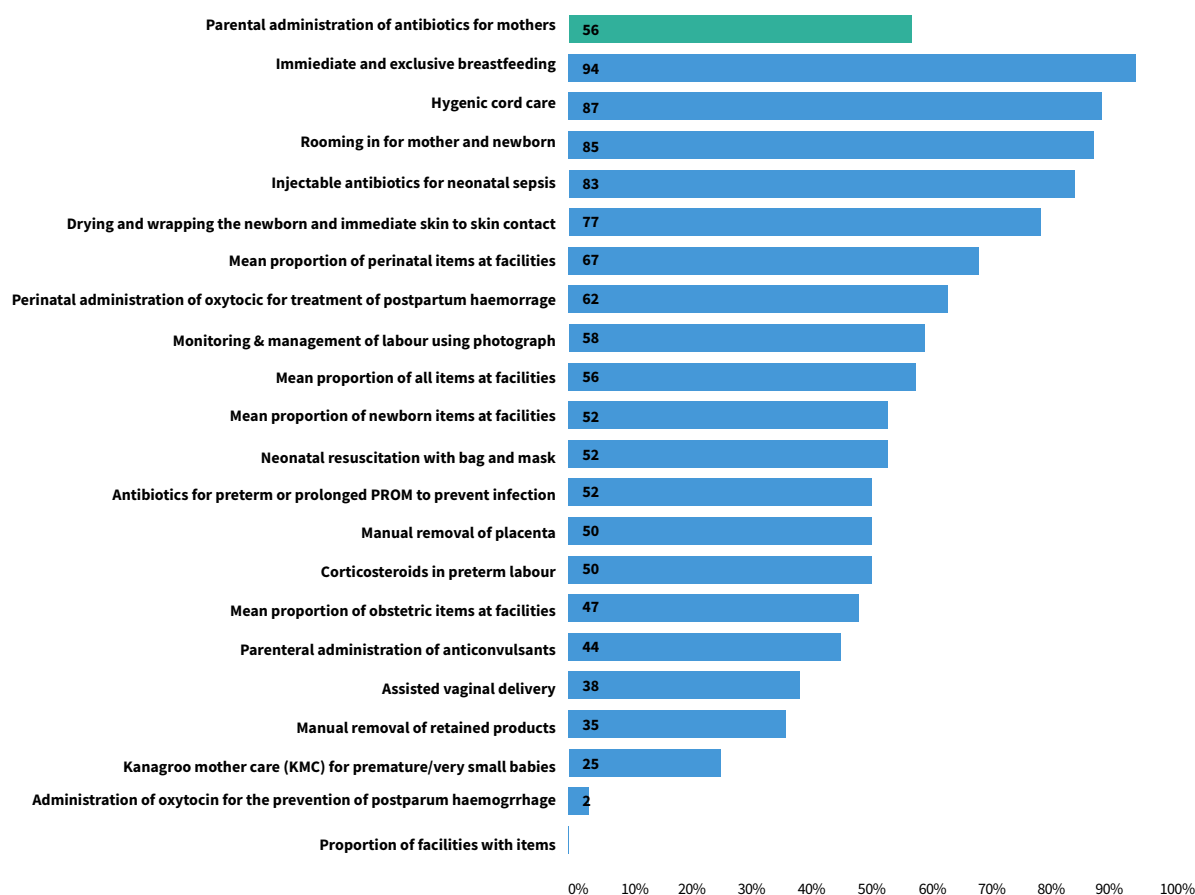


Fig. 49. Percentage of facilities offering obstetric care signal functions, newborn care signal functions and perinatal routine practice service availability

3.1.3.3. Basic emergency obstetric and newborn care (BEmONC) service readiness

Table 44. (3.1.3.3) Percentage of facilities with basic emergency obstetric and newborn care (BEmONC) service readiness items by atoll and facility type

	Staff and guidelines						Equipment						n
	Guidelines for essential childbirth care	Checklists and/or job aids for essential childbirth care	Staff trained in essential childbirth care	Guidelines for essential newborn care	Staff trained in newborn resuscitation	Mean proportion of staff and guideline items at facilities	Emergency transport	Examination light	Delivery pack	Suction apparatus	Manual vacuum extractor	Vacuum aspirator or D&C kit	
National	21%	37%	12%	25%	15%	22%	100%	100%	94%	87%	65%	42%	52
Atoll													
MLE	100%	67%	67%	67%	67%	67%	100%	100%	100%	100%	100%	100%	3
HA Atoll	25%	50%	25%	25%	0%	25%	100%	100%	100%	100%	50%	50%	4
HDH Atoll	67%	67%	0%	33%	33%	40%	100%	100%	100%	100%	67%	33%	3
SH Atoll	14%	29%	0%	14%	0%	11%	100%	100%	100%	86%	29%	14%	7
N Atoll	0%	20%	0%	20%	0%	8%	100%	100%	60%	80%	40%	20%	5
R Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
B Atoll	0%	0%	100%	0%	100%	40%	100%	100%	100%	100%	100%	100%	1
LH Atoll	33%	33%	0%	33%	33%	27%	100%	100%	67%	100%	33%	33%	3
K Atoll	0%	50%	0%	50%	0%	20%	100%	100%	100%	100%	0%	0%	2
AA Atoll	17%	17%	0%	17%	0%	10%	100%	100%	100%	50%	100%	17%	6
ADH Atoll	50%	50%	0%	50%	0%	30%	100%	100%	100%	50%	100%	50%	2
M Atoll	0%	0%	0%	100%	0%	20%	100%	100%	100%	100%	100%	100%	1
F Atoll	0%	33%	0%	0%	0%	7%	100%	100%	100%	100%	100%	33%	3
DH Atoll	0%	100%	0%	0%	0%	20%	100%	100%	100%	100%	100%	100%	1
TH Atoll	0%	0%	0%	0%	0%	0%	100%	100%	100%	50%	50%	50%	2
L Atoll	0%	0%	0%	0%	100%	20%	100%	100%	100%	100%	100%	0%	1
GA Atoll	0%	50%	0%	0%	0%	10%	100%	100%	100%	100%	50%	50%	2
GDH Atoll	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	67%	67%	3
GN Atoll	0%	100%	0%	100%	0%	40%	100%	100%	100%	100%	100%	100%	1
S Atoll	0%	100%	100%	0%	100%	60%	100%	100%	100%	100%	100%	100%	1
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	50%	67%	50%	50%	83%	60%	100%	100%	100%	100%	100%	83%	6
Hospital L2	22%	56%	22%	44%	22%	33%	100%	100%	100%	100%	100%	100%	9
Hospital L1	60%	60%	0%	40%	0%	32%	100%	100%	100%	100%	100%	100%	5
Health centre L1	0%	0%	0%	0%	0%	0%	100%	100%	60%	80%	40%	0%	5
Health centre L2	0%	11%	0%	22%	0%	7%	100%	100%	89%	56%	56%	11%	9
Health centre L3	14%	29%	0%	7%	0%	10%	100%	100%	100%	86%	36%	0%	14
Health centre L4	0%	33%	0%	0%	0%	7%	100%	100%	100%	100%	33%	33%	3

3.1.3.3. Basic emergency obstetric and newborn care (BEmONC) service readiness (continued)

Table 44. (3.1.3.3) Percentage of facilities with basic emergency obstetric and newborn care (BEmONC) service readiness items by atoll and facility type

	Equipment									Medicines and commodities			
	Adult bag and mask	Neonatal bag and mask (size 0 and 1)	Delivery bed	Blank partograph	Gloves	Infant weighing scale	Blood pressure apparatus	Thermometer	Hand hygiene items	Clean towel for drying neonate	Mean proportion of equipment items at facilities	Antibiotic eye ointment for neonate	n
National	77%	56%	98%	56%	100%	77%	92%	94%	75%	90%	81%	2%	52
Atoll													
MLE	100%	67%	100%	100%	100%	100%	100%	100%	100%	100%	98%	0%	3
HA Atoll	50%	25%	100%	25%	100%	75%	50%	50%	25%	75%	67%	0%	4
HDH Atoll	100%	67%	100%	67%	100%	100%	100%	100%	67%	67%	85%	0%	3
SH Atoll	86%	100%	100%	43%	100%	100%	100%	100%	86%	86%	83%	0%	7
N Atoll	100%	20%	80%	40%	100%	60%	100%	100%	40%	100%	71%	20%	5
R Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	1
B Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	1
LH Atoll	67%	33%	100%	33%	100%	67%	100%	100%	33%	100%	73%	0%	3
K Atoll	100%	0%	100%	50%	100%	0%	50%	100%	100%	100%	69%	0%	2
AA Atoll	50%	17%	100%	17%	100%	50%	100%	100%	100%	83%	74%	0%	6
ADH Atoll	50%	100%	100%	50%	100%	100%	100%	100%	100%	100%	88%	0%	2
M Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	1
F Atoll	67%	33%	100%	33%	100%	67%	100%	100%	67%	100%	81%	0%	3
DH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	1
TH Atoll	50%	50%	100%	50%	100%	50%	100%	100%	50%	50%	72%	0%	2
L Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	94%	0%	1
GA Atoll	50%	50%	100%	100%	100%	50%	50%	50%	100%	100%	78%	0%	2
GDH Atoll	67%	67%	100%	100%	100%	100%	100%	100%	67%	100%	90%	0%	3
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	1
S Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	1
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	1
Hospital L3	100%	100%	100%	100%	100%	100%	100%	100%	83%	100%	98%	0%	6
Hospital L2	100%	89%	100%	100%	100%	100%	100%	100%	89%	100%	99%	0%	9
Hospital L1	80%	80%	100%	100%	100%	100%	100%	100%	100%	100%	98%	0%	5
Health centre L1	20%	20%	80%	0%	100%	20%	100%	100%	80%	100%	63%	0%	5
Health centre L2	89%	33%	100%	22%	100%	78%	89%	100%	78%	78%	74%	11%	9
Health centre L3	71%	36%	100%	29%	100%	57%	86%	86%	50%	79%	70%	0%	14
Health centre L4	33%	33%	100%	67%	100%	100%	67%	67%	67%	100%	75%	0%	3

3.1.3.3. Basic emergency obstetric and newborn care (BEmONC) service readiness (continued)

Table 44. (3.1.3.3) Percentage of facilities with basic emergency obstetric and newborn care (BEmONC) service readiness items by atoll and facility type

Medicines and commodities										
	Injectable uterotonic	Injectable antibiotic	Magnesium sulfate (injectable)	Skin disinfectant/ chlorhexidine for cord care	Intravenous solution with infusion set	Betamethasone or dexamethasone injectable	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	83%	83%	46%	94%	100%	94%	72%	68%	0%	52
Atoll										
MLE	100%	67%	100%	100%	100%	100%	81%	89%	0%	3
HA Atoll	50%	75%	25%	100%	100%	50%	57%	57%	0%	4
HDH Atoll	100%	67%	33%	100%	100%	100%	71%	74%	0%	3
SH Atoll	86%	100%	14%	100%	100%	100%	71%	67%	0%	7
N Atoll	40%	80%	20%	100%	100%	100%	66%	59%	0%	5
R Atoll	100%	100%	100%	100%	100%	100%	86%	96%	0%	1
B Atoll	100%	100%	100%	100%	100%	100%	86%	86%	0%	1
LH Atoll	67%	33%	33%	33%	100%	67%	48%	58%	0%	3
K Atoll	50%	50%	0%	100%	100%	100%	57%	57%	0%	2
AA Atoll	100%	100%	50%	100%	100%	100%	79%	64%	0%	6
ADH Atoll	100%	50%	50%	100%	100%	100%	71%	73%	0%	2
M Atoll	100%	100%	100%	100%	100%	100%	86%	82%	0%	1
F Atoll	100%	67%	33%	67%	100%	100%	67%	64%	0%	3
DH Atoll	100%	100%	100%	100%	100%	100%	86%	82%	0%	1
TH Atoll	100%	100%	50%	100%	100%	100%	79%	61%	0%	2
L Atoll	100%	100%	100%	100%	100%	100%	86%	79%	0%	1
GA Atoll	50%	100%	50%	100%	100%	100%	71%	64%	0%	2
GDH Atoll	100%	100%	67%	100%	100%	100%	81%	71%	0%	3
GN Atoll	100%	100%	100%	100%	100%	100%	86%	86%	0%	1
S Atoll	100%	100%	100%	100%	100%	100%	86%	89%	0%	1
Facility type										
Referral hospital	100%	100%	100%	100%	100%	100%	86%	96%	0%	1
Hospital L3	100%	100%	100%	100%	100%	100%	86%	88%	0%	6
Hospital L2	89%	100%	100%	100%	100%	100%	84%	83%	0%	9
Hospital L1	100%	80%	100%	100%	100%	100%	83%	82%	0%	5
Health centre L1	60%	60%	20%	80%	100%	80%	57%	50%	0%	5
Health centre L2	89%	56%	0%	89%	100%	100%	63%	59%	0%	9
Health centre L3	64%	93%	7%	93%	100%	93%	64%	58%	0%	14
Health centre L4	100%	67%	33%	100%	100%	67%	67%	61%	0%	3

Service readiness items for BEmONC show that on average, only 22% of the facilities have staff and guidelines. All facilities in R and B atolls have staff for BEmONC and appear to be outliers, as most of the other facilities have reported none as the question item regarding trained staff is delimited to have had training in the past two years. The national referral hospital has staff and guidelines, and 60% of the Level 3 hospitals have trained staff and guidelines for BEmONC, but these are present only in a third of the hospitals at Levels 2 and 1. In contrast, 81% of the facilities have equipment for BEmONC; 98%–99% of the hospitals and 64%–75% of the health centres have equipment for BEmONC. Availability of medicines for BEmONC is only slightly less than that for equipment, with 72% of the facilities having the medicines, with over 80% of the hospitals keeping the medicines for BEmONC and about 60% of the health centres having them. None of the health facilities has all items for BEmONC readiness while 68% of the items for BEmONC are available at the health facilities.

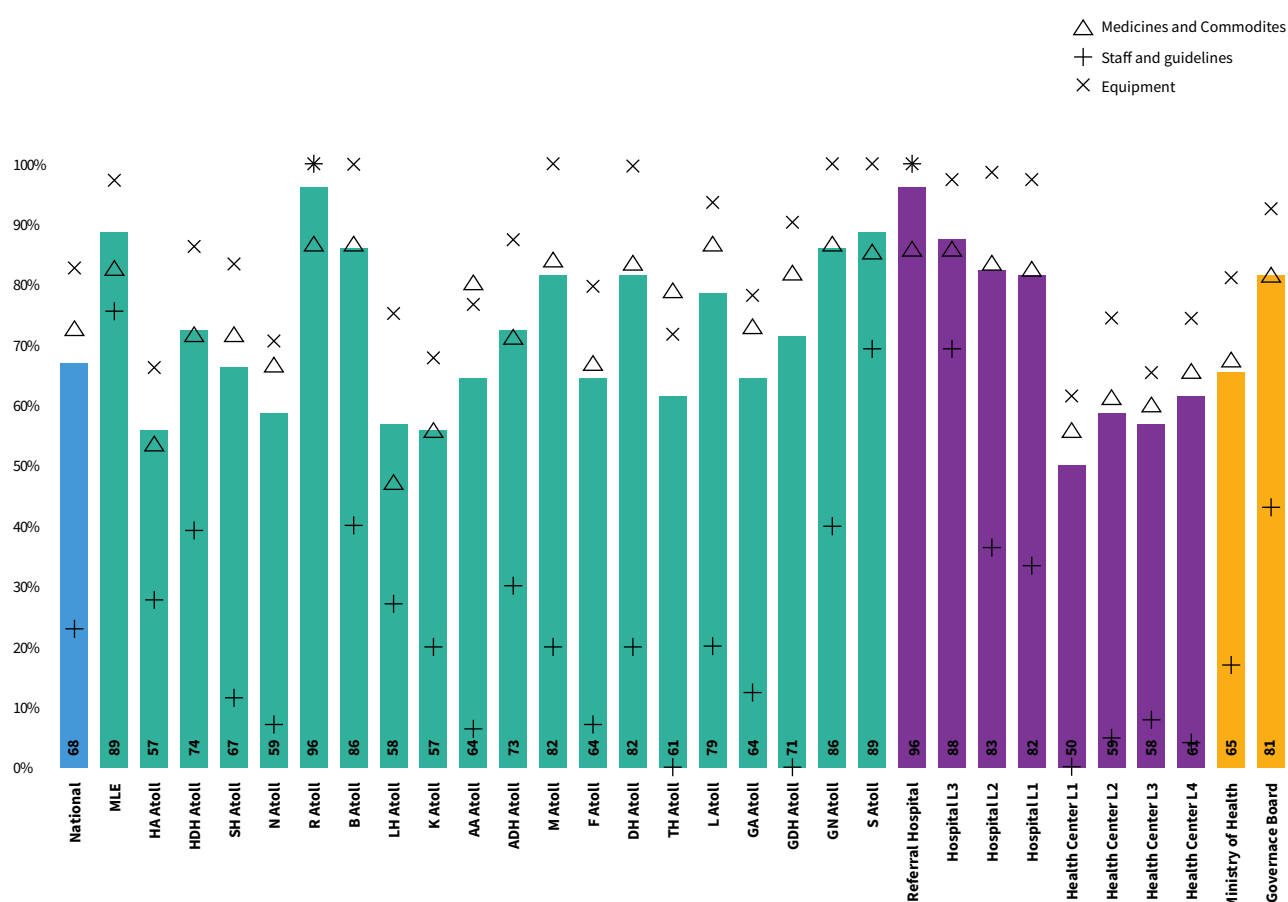


Fig. 50. BEmONC service readiness: mean proportion of all items at facilities by atoll and facility type

Basic emergency obstetric & newborn care (BEmONC) service readiness: Mean proportion of all items at facilities

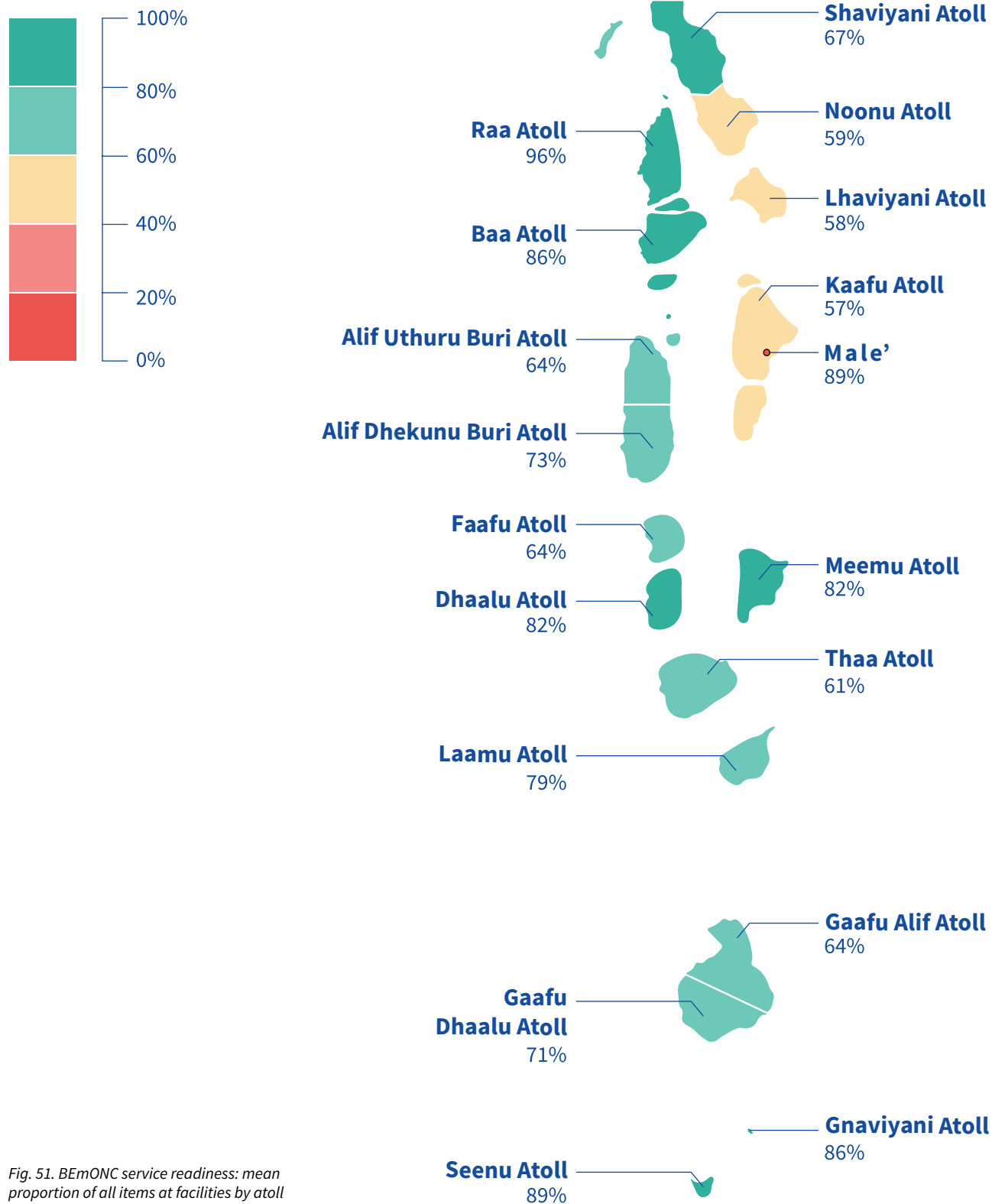


Fig. 51. BEmONC service readiness: mean proportion of all items at facilities by atoll

3.1.4. Comprehensive emergency obstetric and newborn care

3.1.4.1. Comprehensive emergency obstetric and newborn care (CEmONC) service availability

Table 45. (3.1.4.1) Percentage of facilities offering Comprehensive emergency obstetric and newborn care (CEmONC) services by atoll and facility type

	Caesarean section	Blood transfusion	Comprehensive emergency obstetric care (CEmOC) – facility-reported	All nine obstetric and newborn care signal functions (CEmONC)	n
National	11%	52%	15%	10%	188
Atoll					
MLE	40%	80%	40%	40%	5
HA Atoll	7%	50%	7%	0%	14
HDH Atoll	8%	54%	8%	8%	13
SH Atoll	7%	64%	7%	7%	14
N Atoll	8%	69%	8%	8%	13
R Atoll	7%	67%	7%	7%	15
B Atoll	8%	38%	8%	8%	13
LH Atoll	25%	75%	50%	25%	4
K Atoll	0%	33%	22%	0%	9
AA Atoll	13%	38%	63%	13%	8
ADH Atoll	10%	20%	10%	0%	10
V Atoll	0%	20%	0%	0%	5
M Atoll	13%	50%	13%	13%	8
F Atoll	20%	80%	40%	20%	5
DH Atoll	17%	50%	17%	17%	6
TH Atoll	8%	54%	8%	8%	13
L Atoll	10%	50%	10%	10%	10
GA Atoll	11%	44%	11%	11%	9
GDH Atoll	22%	56%	11%	11%	9
GN Atoll	100%	100%	100%	100%	1
S Atoll	25%	25%	25%	25%	4
Facility type					
Referral hospital	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	6
Hospital L2	100%	100%	100%	89%	9
Hospital L1	57%	100%	57%	43%	7
Health centre L1	0%	16%	4%	0%	57
Health centre L2	0%	38%	7%	0%	45
Health centre L3	0%	80%	6%	0%	49
Health centre L4	8%	62%	0%	0%	13
Other	0%	100%	0%	0%	1

Comprehensive emergency obstetric care (CEmOC) is provided at 11% of the health facilities, including the national referral hospital and all hospitals at Levels 2 and 3. All nine signal functions of CEmONC are provided at 10% of the facilities, which include the national referral hospital and all Level 3 and 98% of Level 2 hospitals. But only 50% of the Level 1 hospitals have CEmONC services, with 43% having all nine signal functions. None of the health centres has the nine signal functions for CEmOC. This observation is consistent with the organization of the health system in the country where CEmOC services are established only at the hospitals.

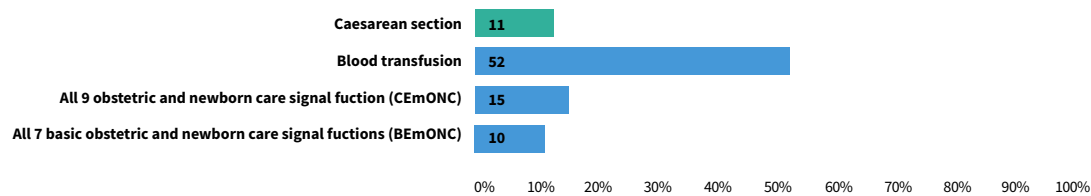


Fig. 52. Percentage of facilities offering Comprehensive emergency obstetric and newborn care (CEmONC)

Percentage of facilities offering all 9 obstetric and newborn care signal functions (CEmONC)

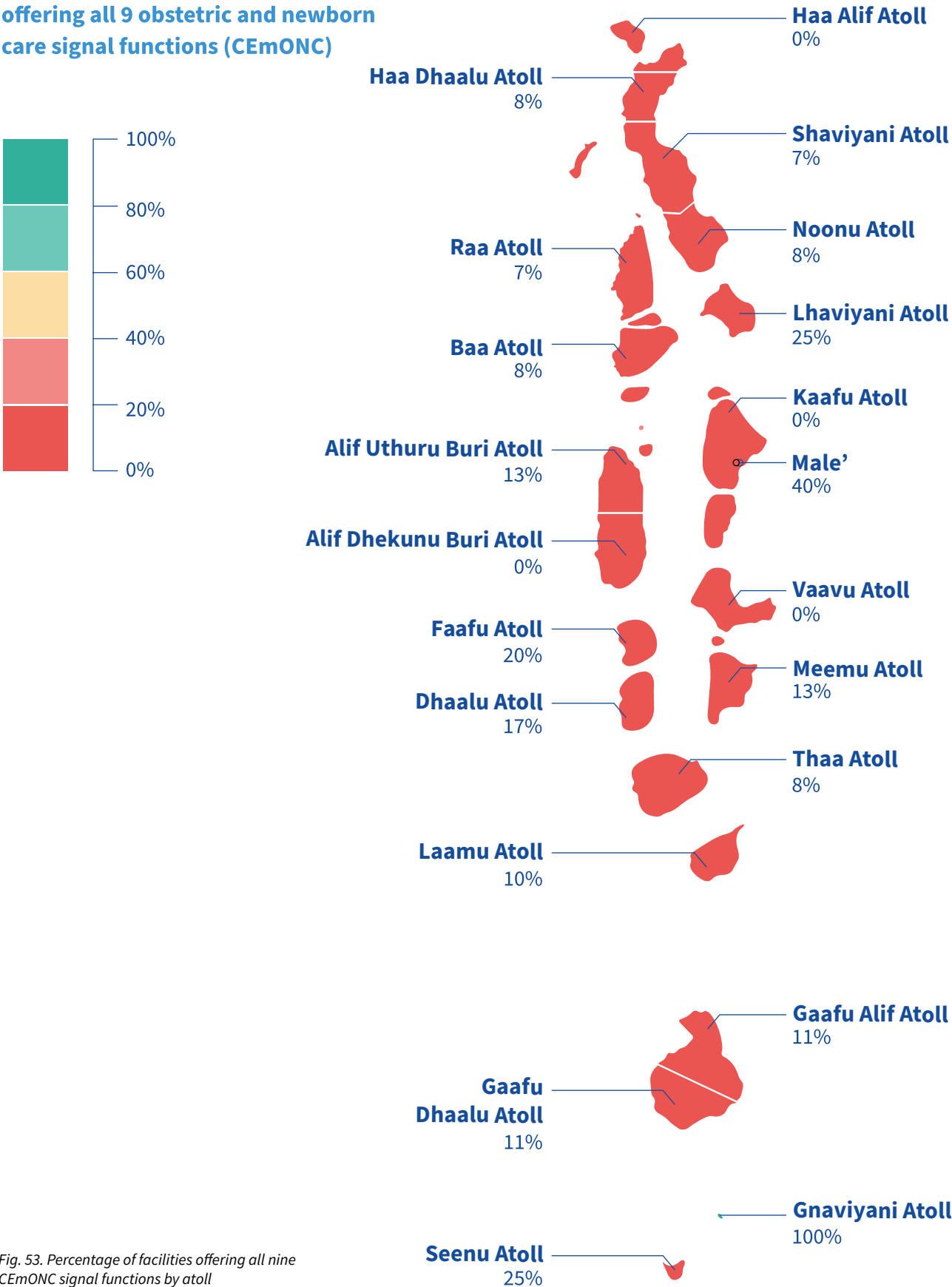


Fig. 53. Percentage of facilities offering all nine CEmONC signal functions by atoll

3.1.4.2. Comprehensive emergency obstetric care service readiness

Table 46. (3.1.4.2) Percentage of facilities with comprehensive emergency obstetric and newborn care (CEmONC) service readiness items by atoll and facility type

	Staff and guidelines					Equipment					Diagnostics		
	Guide Guidelines, checklists or job aids for comprehensive emergency obstetric care lines for essential childbirth care	Staff trained in CEmOC	Staff trained in surgery	Staff trained in anaesthesia	Mean proportion of staff and guideline items at facilities	Anaesthesia equipment	Resuscitation table with heat source	Infant incubator	Oxygen with administration equipment (including paediatric sized)	Spinal needle	Mean proportion of equipment items at facilities	Blood typing	n
National	21%	18%	64%	71%	44%	0%	75%	54%	68%	64%	52%	57%	28
Atoll													
MLE	100%	50%	100%	100%	88%	0%	100%	100%	100%	100%	80%	100%	2
HA Atoll	100%	0%	100%	100%	75%	0%	100%	100%	100%	100%	80%	100%	1
HDH Atoll	0%	100%	100%	100%	75%	0%	100%	100%	100%	100%	80%	100%	1
SH Atoll	0%	100%	100%	100%	75%	0%	0%	0%	0%	100%	20%	100%	1
N Atoll	0%	0%	100%	100%	50%	0%	100%	100%	100%	100%	80%	100%	1
R Atoll	0%	0%	100%	100%	50%	0%	100%	100%	100%	100%	80%	0%	1
B Atoll	0%	0%	100%	100%	50%	0%	100%	100%	100%	100%	80%	100%	1
LH Atoll	0%	0%	0%	50%	13%	0%	100%	0%	50%	0%	30%	0%	2
AA Atoll	0%	0%	0%	20%	5%	0%	0%	20%	100%	0%	8%	0%	1
ADH Atoll	100%	0%	100%	100%	75%	0%	100%	0%	100%	100%	60%	100%	1
M Atoll	0%	0%	100%	100%	50%	0%	100%	100%	0%	100%	60%	100%	1
F Atoll	50%	50%	50%	50%	50%	0%	50%	50%	50%	50%	40%	0%	2
DH Atoll	0%	0%	100%	100%	50%	0%	100%	100%	100%	100%	80%	100%	1
TH Atoll	0%	0%	100%	100%	50%	0%	100%	0%	100%	100%	60%	100%	1
L Atoll	0%	0%	100%	100%	50%	0%	100%	0%	100%	100%	60%	0%	1
GA Atoll	0%	100%	100%	100%	75%	0%	100%	100%	100%	100%	80%	100%	1
GDH Atoll	100%	0%	100%	100%	75%	0%	100%	100%	100%	100%	80%	100%	1
GN Atoll	0%	0%	100%	100%	50%	0%	100%	100%	100%	100%	80%	100%	1
S Atoll	0%	0%	100%	100%	50%	0%	100%	100%	100%	100%	80%	100%	1
Facility type													
Referral hospital	100%	0%	100%	100%	75%	0%	100%	100%	100%	100%	80%	100%	1
Hospital L3	33%	33%	100%	100%	67%	0%	100%	83%	100%	100%	77%	67%	6
Hospital L2	11%	22%	89%	100%	56%	0%	89%	67%	89%	89%	67%	89%	9
Hospital L1	50%	25%	75%	100%	63%	0%	75%	75%	75%	75%	60%	50%	4
Health centre L1	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	10%	0%	2
Health centre L2	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	7%	33%	3
Health centre L3	0%	0%	0%	0%	0%	0%	33%	0%	33%	0%	13%	0%	3

3.1.4.2. Comprehensive emergency obstetric care service readiness (continued)

Table 46. (3.1.4.2) Percentage of facilities with comprehensive emergency obstetric and newborn care (CEmONC) service readiness items by atoll and facility type

	Diagnostics				Medicines and commodities										
	Cross-match testing	Mean proportion of diagnostic items at facilities	Blood supply sufficiency	Blood supply safety	Lidocaine 5%	Ketamine (injectable)	Halothane (inhalation)	Thiopental (powder for injection)	Suxamethonium bromide or chloride (powder for injection)	Epinephrine (injectable)	Atropine (injectable)	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	71%	64%	79%	46%	71%	54%	29%	25%	29%	79%	75%	54%	53%	0%	28
Atoll															
MLE	100%	100%	100%	50%	100%	100%	0%	100%	50%	100%	100%	78%	83%	0%	2
HA Atoll	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	33%	60%	0%	1
HDH Atoll	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	78%	80%	0%	1
SH Atoll	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	89%	70%	0%	1
N Atoll	100%	100%	100%	0%	100%	0%	0%	0%	0%	0%	0%	22%	50%	0%	1
R Atoll	100%	50%	100%	0%	100%	100%	100%	100%	0%	100%	100%	78%	70%	0%	1
B Atoll	100%	100%	100%	0%	100%	0%	0%	0%	0%	0%	0%	22%	50%	0%	1
LH Atoll	50%	25%	50%	50%	50%	50%	50%	0%	0%	50%	50%	39%	30%	0%	2
K Atoll	0%	25%	0%	0%	0%	0%	0%	0%	0%	100%	50%	17%	18%	0%	2
AA Atoll	20%	10%	40%	20%	20%	20%	0%	20%	20%	100%	100%	38%	21%	0%	5
ADH Atoll	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	78%	75%	0%	1
M Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	80%	0%	1
F Atoll	50%	25%	100%	0%	50%	50%	50%	50%	0%	100%	100%	56%	48%	0%	2
DH Atoll	100%	100%	100%	0%	100%	100%	100%	0%	0%	100%	100%	67%	70%	0%	1
TH Atoll	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	78%	70%	0%	1
L Atoll	100%	50%	100%	100%	100%	0%	0%	0%	0%	0%	0%	33%	45%	0%	1
GA Atoll	100%	100%	100%	0%	100%	0%	0%	0%	0%	0%	0%	22%	55%	0%	1
GDH Atoll	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	78%	80%	0%	1
GN Atoll	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	89%	80%	0%	1
S Atoll	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	78%	75%	0%	1
Facility type															
Referral hospital	100%	100%	100%	0%	100%	100%	0%	100%	0%	100%	100%	67%	75%	0%	1
Hospital L3	100%	83%	100%	83%	100%	83%	50%	33%	33%	83%	83%	72%	73%	0%	6
Hospital L2	100%	94%	100%	56%	100%	56%	33%	11%	33%	56%	56%	56%	62%	0%	9
Hospital L1	100%	75%	100%	75%	100%	100%	50%	75%	75%	100%	100%	86%	74%	0%	4
Health centre L1	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	11%	8%	0%	2
Health centre L2	0%	17%	33%	0%	0%	0%	0%	0%	0%	100%	100%	26%	15%	0%	3
Health centre L3	0%	0%	33%	0%	0%	0%	0%	0%	0%	100%	67%	22%	13%	0%	3

The results for CEmONC service readiness, however, show that of the 28 facilities providing CEmOC services, less than half (44%) of the staff and guideline items are available at the facilities. These include guidelines, checklists or job aids for CEmOC, staff trained in CEmOC, staff trained in surgery and staff trained in anaesthesia. Hospitals have had about 60% of these indicators. The mean proportion of equipment items for CEmOC stands at about 50% at the facilities, with the national referral hospital having 80% of the items and other hospitals having about 60% of the items. While the mean proportion of diagnostic items at the facilities stands at 64%, all diagnostic items are available at the national referral hospital and over 75% at other hospitals. The mean proportion of medicines and commodities at facilities is about 50%, with hospitals reporting 56%–86% of the items and health centres reporting 11%–36% of the items.

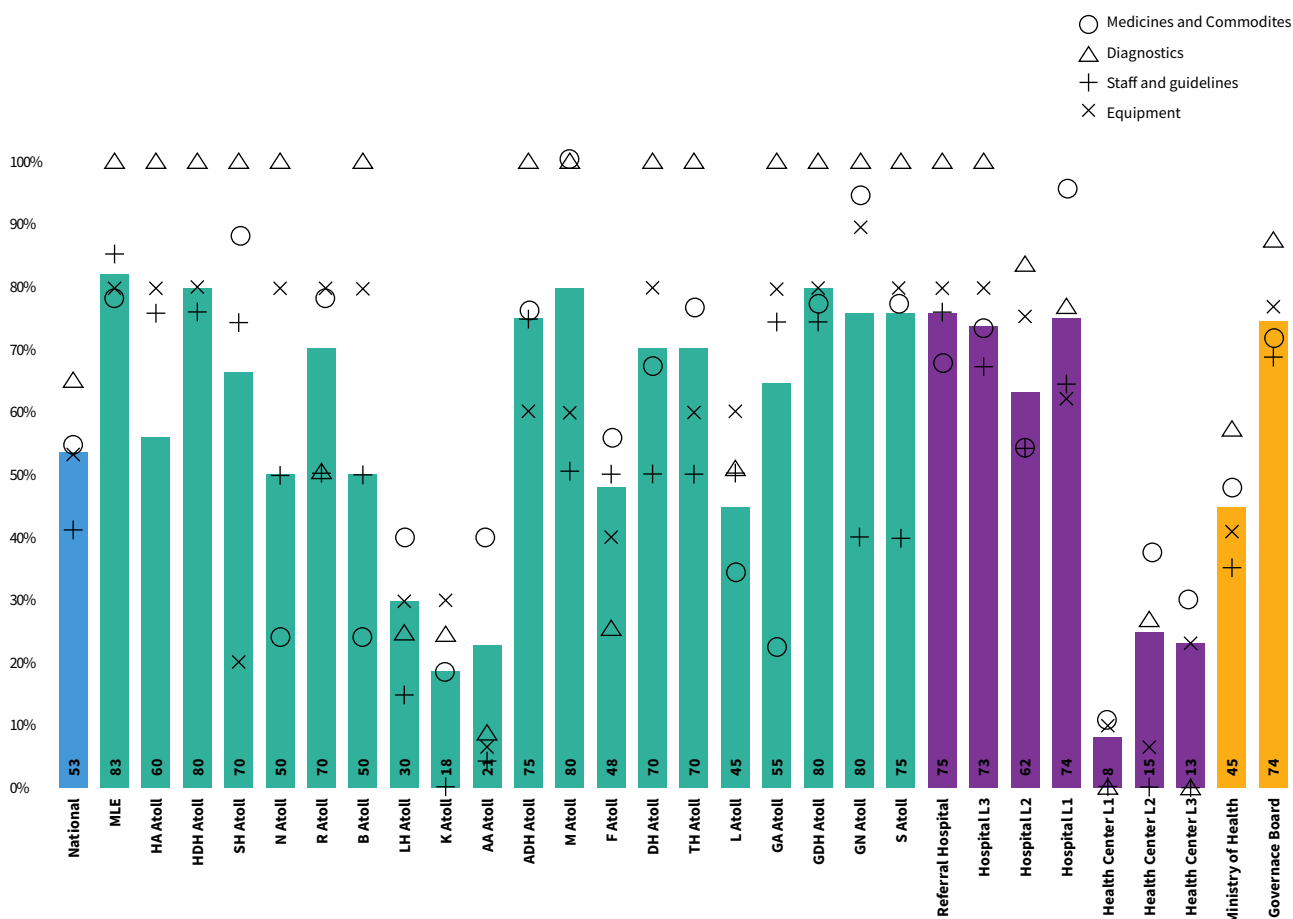


Fig. 54. CEmONC service readiness: mean proportion of all items at facilities by atoll and facility type

**Comprehensive emergency
obstetric care (CEmONC) service
readiness: Mean proportion of
all items at facilities**

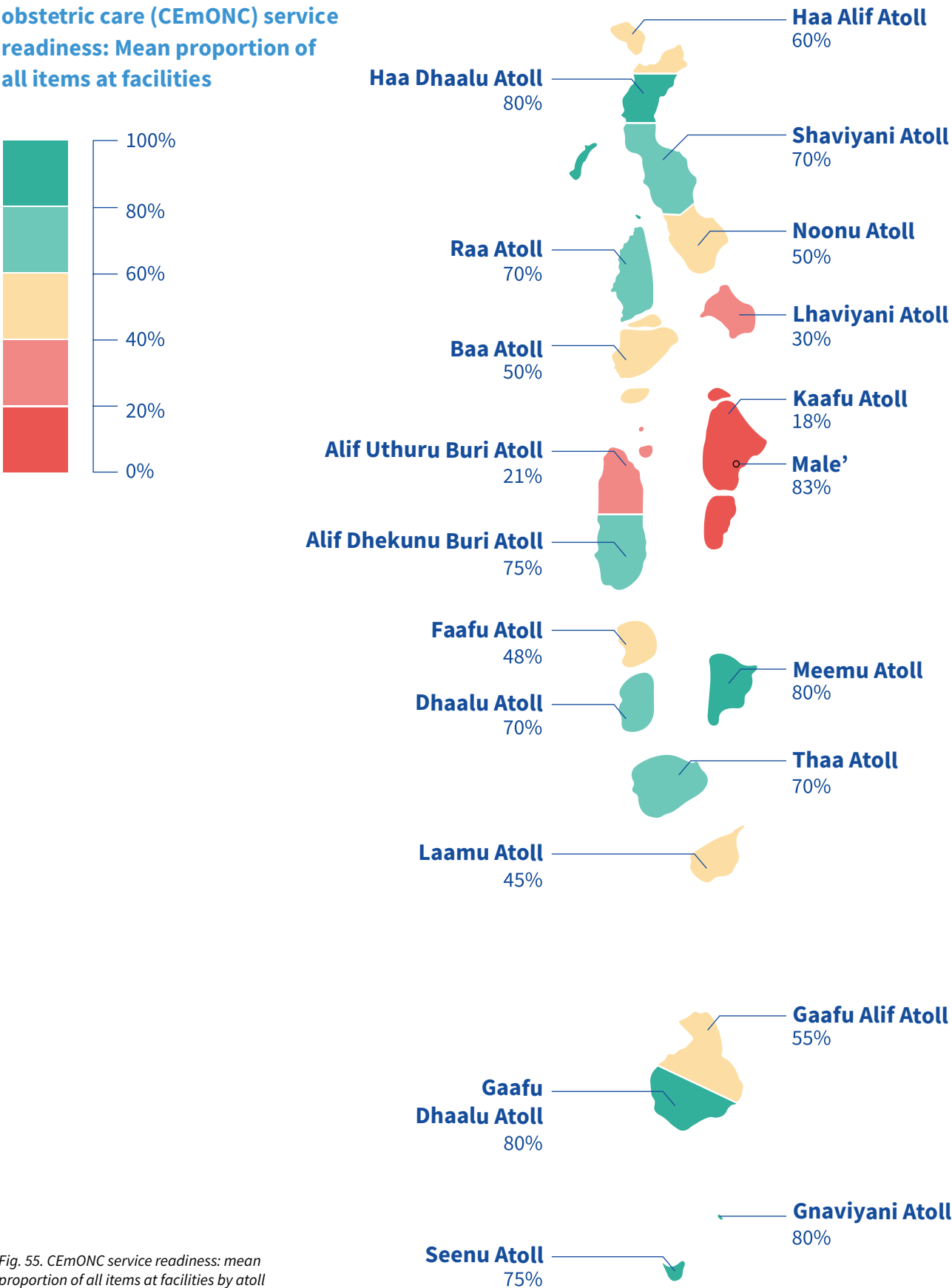


Fig. 55. CEmONC service readiness: mean proportion of all items at facilities by atoll

3.1.5. Abortion and post-abortion care

3.1.5.1. Abortion service availability

Table 47. (3.1.5.1) Percentage of facilities offering abortion services by atoll and facility type

	Any abortion services	Abortion services both under the condition of a medical emergency and as an elective procedure	Abortion services to minor adolescents with guardian consent	Abortion services to minor adolescents without guardian consent	n
National	10%	7%	5%	0%	188
Atoll					
MLE	40%	40%	40%	0%	5
HA Atoll	14%	0%	0%	0%	14
HDH Atoll	8%	8%	8%	0%	13
SH Atoll	7%	7%	7%	0%	14
N Atoll	8%	0%	0%	0%	13
R Atoll	7%	7%	7%	0%	15
B Atoll	8%	8%	8%	0%	13
LH Atoll	0%	0%	0%	0%	4
K Atoll	0%	0%	0%	0%	9
AA Atoll	0%	25%	0%	0%	8
ADH Atoll	0%	0%	0%	0%	10
V Atoll	0%	0%	0%	0%	5
M Atoll	13%	0%	0%	0%	8
F Atoll	20%	20%	0%	0%	5
DH Atoll	17%	0%	0%	0%	6
TH Atoll	8%	8%	8%	0%	13
L Atoll	10%	10%	10%	0%	10
GA Atoll	11%	0%	0%	0%	9
GDH Atoll	11%	11%	11%	0%	9
GN Atoll	100%	0%	0%	0%	1
S Atoll	25%	25%	25%	0%	4
Referral hospital	100%	100%	100%	0%	1
Hospital L3	100%	100%	100%	0%	6
Hospital L2	89%	11%	33%	0%	9
Hospital L1	29%	14%	0%	0%	7
Health centre L1	0%	4%	0%	0%	57
Health centre L2	0%	2%	0%	0%	45
Health centre L3	2%	2%	0%	0%	49
Health centre L4	0%	0%	0%	0%	13
Other	0%	0%	0%	0%	1

Consistent with CEmONC, abortion services are provided at only 10% of the health facilities, with 7% of the facilities providing abortion services both under the condition of a medical emergency and as an elective procedure; however, only 5% of the facilities provide this service for minors, with guardians' consent. These include the national referral hospital and Level 3 hospitals.

3.1.5.2. Post-abortion care service availability

Table 48. (3.1.5.2) Percentage of facilities offering post-abortion services by atoll and facility type

	Post-abortion care	
National	23%	188
Atoll		
MLE	40%	5
HA Atoll	64%	14
HDH Atoll	15%	13
SH Atoll	21%	14
N Atoll	92%	13
R Atoll	7%	15
B Atoll	0%	13
LH Atoll	0%	4
K Atoll	11%	9
AA Atoll	13%	8
ADH Atoll	0%	10
V Atoll	20%	5
M Atoll	13%	8
F Atoll	20%	5
DH Atoll	33%	6
TH Atoll	15%	13
L Atoll	10%	10
GA Atoll	11%	9
GDH Atoll	11%	9
GN Atoll	100%	1
S Atoll	25%	4
Facility type		
Referral hospital	100%	1
Hospital L3	100%	6
Hospital L2	67%	9
Hospital L1	43%	7
Health centre L1	12%	57
Health centre L2	16%	45
Health centre L3	20%	49
Health centre L4	23%	13
Other	0%	1

However, post-abortion care is provided at about a quarter of the health facilities, including the national referral hospital, all Level 3 hospitals, 67% of the Level 2 and 43% of the Level 1 hospitals. About 12%–23% of the health centres also provide post-abortion services

3.1.5.3. Post-abortion care service readiness

Table 49. (3.1.5.3) Percentage of facilities with post-abortion care service readiness items by atoll and facility type

	Staff and guidelines	Equipment	Medicines and commodities											
	Staff trained in post-abortion care	Vacuum aspirator or D&C kit (with speculum)	Disposable latex gloves (sterile)	Mean proportion of equipment items at facilities	Antiseptic for cleaning cervix	Misoprostol	Antibiotics for post-surgical procedure	Pain medication	Short-term contraceptive method	Medium term/ permanent contraceptive method	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	39%	94%	89%	92%	67%	94%	100%	100%	100%	83%	91%	85%	33%	18
Atoll														
MLE	100%	100%	100%	100%	50%	100%	100%	100%	100%	100%	92%	94%	50%	2
HA Atoll	0%	50%	100%	75%	50%	50%	100%	100%	100%	50%	75%	67%	0%	2
HDH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
SH Atoll	0%	100%	0%	50%	0%	100%	100%	100%	100%	100%	83%	67%	0%	1
N Atoll	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	89%	0%	1
R Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
B Atoll	0%	100%	0%	50%	0%	100%	100%	100%	100%	100%	83%	67%	0%	1
M Atoll	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	83%	78%	0%	1
F Atoll	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	83%	78%	0%	1
DH Atoll	0%	100%	100%	100%	0%	100%	100%	100%	100%	100%	83%	78%	0%	1
TH Atoll	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	89%	0%	1
L Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
GA Atoll	0%	100%	100%	100%	0%	100%	100%	100%	100%	100%	83%	78%	0%	1
GDH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
GN Atoll	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	89%	0%	1
S Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Facility type														
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	83%	100%	100%	100%	100%	100%	97%	98%	83%	6
Hospital L2	0%	100%	75%	88%	38%	100%	100%	100%	100%	100%	90%	79%	0%	8
Hospital L1	0%	100%	100%	100%	100%	100%	100%	100%	100%	0%	83%	78%	0%	2
Health centre L3	0%	0%	100%	50%	100%	0%	100%	100%	100%	0%	67%	56%	0%	1

The majority (85%) of the health facilities have all items for post-abortion care, with 92% of the equipment and 91% of the medicines and commodities. Two facilities in Malé have reported providing the service and both (100%) have all items for post-abortion care. However, about a third (39%) of the facilities have staff trained in post-abortion care.

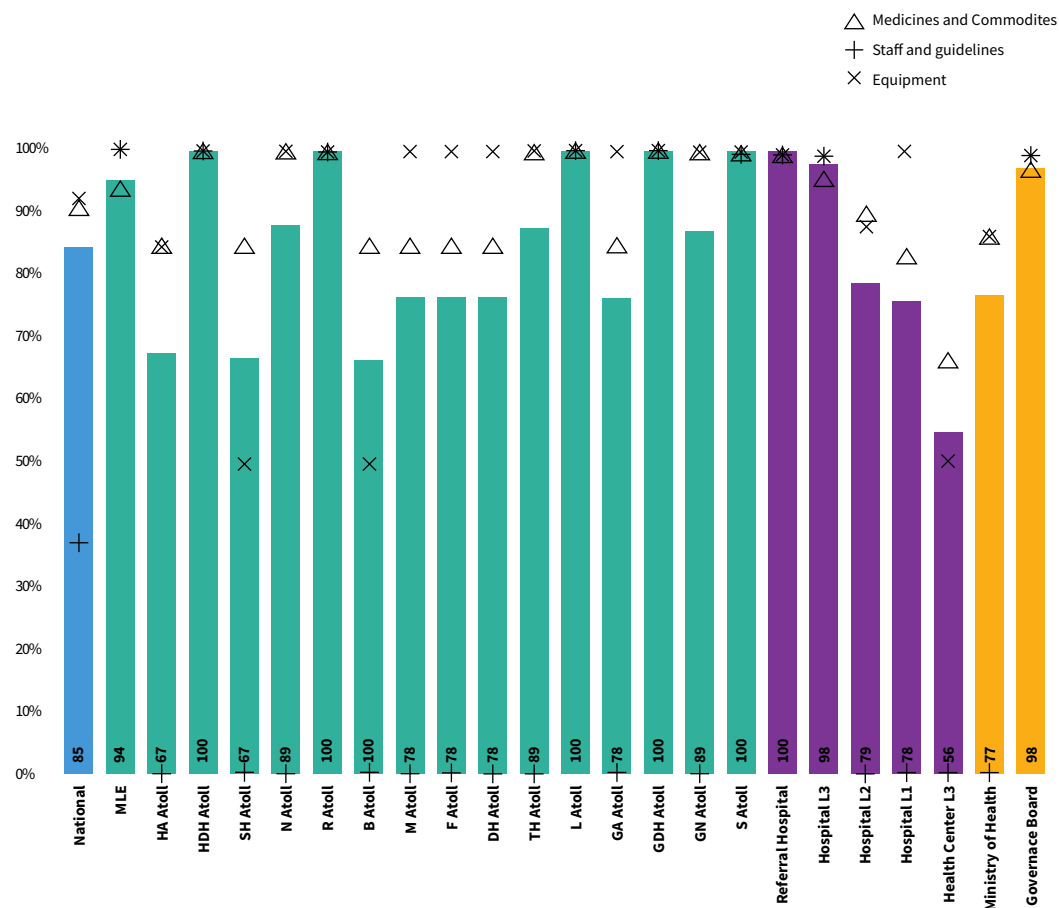


Fig. 56. Post-abortion care service readiness: mean proportion of all items at facilities by atoll and facility type

3.1.6. Care for small and sick neonates

3.1.6.1. Small and sick newborn care service availability

Table 50. (3.1.6.1) Percentage of facilities offering small and sick newborn care service by atoll and facility type

	Small or sick newborn care	Kangaroo mother care (KMC) for premature/very small babies (ever provided)	Kangaroo mother care (KMC) for premature/very small babies (provided in last 3 months)	Alternative feeding if baby unable to breastfeed	Thermal protection	Oxygen	Intravenous rehydration	Injectable antibiotics for neonatal sepsis	Exchange transfusion services	Artificial ventilation	n
National	56%	9%	5%	9%	19%	26%	24%	0%	7%	7%	188
Atoll											
MLE	60%	40%	40%	20%	20%	20%	20%	0%	20%	20%	5
HA Atoll	71%	7%	0%	14%	21%	29%	29%	0%	14%	7%	14
HDH Atoll	62%	8%	8%	8%	15%	15%	15%	0%	8%	8%	13
SH Atoll	71%	0%	0%	7%	43%	43%	36%	0%	0%	7%	14
N Atoll	23%	0%	0%	8%	0%	8%	8%	0%	0%	0%	13
R Atoll	93%	0%	0%	7%	33%	40%	40%	0%	0%	7%	15
B Atoll	46%	15%	0%	0%	8%	15%	0%	0%	0%	0%	13
LH Atoll	75%	0%	0%	0%	25%	75%	75%	0%	75%	0%	4
K Atoll	33%	0%	0%	11%	11%	11%	11%	0%	0%	0%	9
AA Atoll	63%	38%	13%	13%	25%	13%	13%	0%	0%	0%	8
ADH Atoll	70%	0%	0%	0%	30%	50%	50%	0%	0%	0%	10
V Atoll	20%	20%	0%	0%	0%	20%	20%	0%	0%	0%	5
M Atoll	63%	0%	0%	13%	25%	25%	25%	0%	0%	13%	8
F Atoll	80%	20%	0%	20%	20%	40%	40%	0%	40%	20%	5
DH Atoll	67%	0%	0%	17%	17%	17%	17%	0%	17%	0%	6
TH Atoll	46%	8%	0%	0%	8%	8%	8%	0%	8%	8%	13
L Atoll	20%	10%	10%	10%	10%	10%	10%	0%	0%	10%	10
GA Atoll	33%	11%	11%	11%	22%	22%	22%	0%	0%	11%	9
GDH Atoll	33%	11%	11%	11%	11%	11%	11%	0%	0%	11%	9
GN Atoll	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
S Atoll	100%	25%	25%	25%	25%	100%	100%	0%	25%	25%	4
Facility type											
Referral Hospital	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
Hospital L3	100%	83%	83%	83%	83%	83%	83%	0%	33%	83%	6
Hospital L2	100%	33%	22%	56%	78%	78%	78%	0%	56%	44%	9
Hospital L1	100%	43%	14%	43%	57%	71%	71%	0%	14%	29%	7
Health Centre L1	32%	4%	0%	0%	2%	2%	0%	0%	0%	0%	57
Health Centre L2	49%	4%	0%	2%	9%	11%	11%	0%	0%	0%	45
Health Centre L3	71%	2%	0%	2%	22%	37%	33%	0%	6%	0%	49
Health Centre L4	54%	0%	0%	8%	23%	46%	46%	0%	8%	8%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

Care for sick or small neonates is available at about half of the health facilities (56%). However, only 9% of the facilities have ever provided KMC for premature and very small babies, and only 7% of the facilities have offered this in the past three months. Alternative feeding, if a baby is unable to breastfeed, is provided at 9% of the facilities while 7% of the facilities provide artificial ventilation and exchange transfusion. This finding is expected from the way the health system is organized, with such services expected only at hospitals. As such, it is observed that the national referral hospital has all services while 83% of the Level 3 hospitals have these facilities. A smaller proportion of Level 1 and Level 2 hospitals provides these services. Thermal protection, oxygen and intravenous hydration for small and sick neonates are available at about a fifth to a quarter of the health facilities, including some health centres.

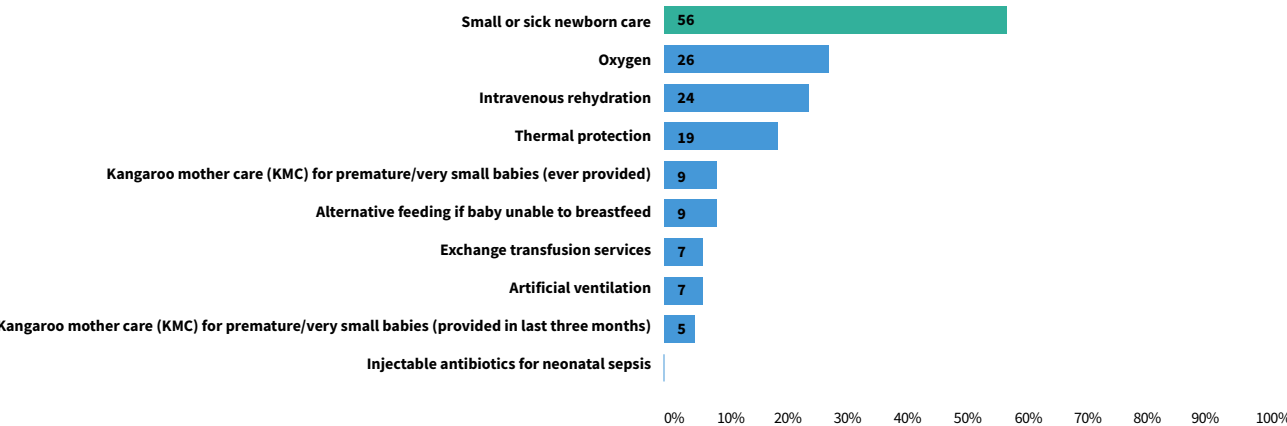


Fig. 57. Percentage of facilities offering small and sick newborn care services

3.1.6.2. Small and sick newborn care service readiness

Table 51. (3.1.6.2) Percentage of facilities with small and sick newborn care service readiness items by atoll and facility type

	Staff and guidelines							Equipment					n
	Guidelines for breastfeeding	Guidelines for kangaroo mother care (KMC)	Staff trained in breastfeeding and counseling for promoting breastfeeding	Staff trained in neonatal sepsis	Staff trained in kangaroo mother care (KMC)	Mean proportion of staff and guideline items at facilities	Bed or location where the caregiver providing KMC stays overnight while providing KMC	Cap/hat for neonate	Register to record KMC services	Register to record neonatal sepsis treatment	Medication delivery mechanism (infusion kit + IV fluid OR single-use syringes)	Mean proportion of equipment items at facilities	
National	22%	4%	13%	2%	3%	9%	7%	6%	4%	6%	99%	24%	105
Atoll													
MLE	67%	33%	67%	33%	67%	53%	33%	33%	33%	67%	100%	53%	3
HA Atoll	10%	0%	0%	0%	0%	2%	0%	0%	0%	10%	100%	22%	10
HDH Atoll	38%	0%	25%	0%	0%	13%	0%	0%	0%	13%	100%	23%	8
SH Atoll	30%	0%	10%	0%	0%	8%	10%	0%	0%	0%	100%	22%	10
N Atoll	0%	0%	33%	0%	0%	7%	0%	0%	0%	0%	100%	20%	3
R Atoll	14%	0%	0%	0%	0%	3%	0%	0%	0%	0%	100%	20%	14
B Atoll	17%	0%	17%	0%	0%	7%	0%	0%	0%	0%	100%	20%	6
LH Atoll	33%	0%	33%	0%	0%	13%	0%	0%	0%	33%	100%	27%	3
K Atoll	0%	0%	33%	0%	0%	7%	0%	0%	0%	0%	100%	20%	3
AA Atoll	40%	0%	0%	0%	0%	8%	20%	0%	0%	0%	100%	24%	5
ADH Atoll	14%	0%	14%	0%	0%	6%	0%	14%	0%	0%	100%	23%	7
V Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	20%	1
M Atoll	20%	0%	0%	0%	0%	4%	0%	0%	0%	0%	100%	20%	5
F Atoll	50%	0%	0%	0%	0%	10%	25%	25%	25%	25%	100%	40%	4
DH Atoll	25%	0%	50%	0%	0%	15%	0%	0%	0%	0%	100%	20%	4
TH Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	20%	6
L Atoll	0%	50%	0%	0%	0%	10%	0%	0%	0%	0%	100%	20%	2
GA Atoll	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	67%	20%	3
GDH Atoll	33%	0%	0%	0%	0%	7%	33%	33%	0%	0%	100%	33%	3
GN Atoll	100%	100%	0%	0%	0%	40%	100%	0%	100%	0%	100%	60%	1
S Atoll	25%	25%	50%	25%	25%	30%	25%	25%	25%	0%	100%	35%	4
Facility type													
Referral hospital	100%	100%	100%	0%	100%	80%	100%	100%	100%	100%	100%	100%	1
Hospital L3	83%	33%	33%	33%	33%	43%	33%	33%	17%	33%	100%	43%	6
Hospital L2	56%	11%	56%	0%	0%	24%	11%	11%	11%	22%	89%	29%	9
Hospital L1	57%	0%	14%	0%	0%	14%	14%	29%	14%	14%	100%	34%	7
Health centre L1	6%	0%	6%	0%	0%	2%	0%	0%	0%	0%	100%	20%	18
Health centre L2	14%	0%	0%	0%	0%	3%	5%	0%	0%	0%	100%	21%	22
Health centre L3	11%	0%	9%	0%	0%	4%	0%	0%	0%	0%	100%	20%	35
Health centre L4	0%	0%	14%	0%	0%	3%	14%	0%	0%	0%	100%	23%	7

3.1.6.2. Small and sick newborn care service readiness (continued)

Table 51. (3.1.6.2) Percentage of facilities with small and sick newborn care service readiness items by atoll and facility type

Medicines and commodities

	Amoxicillin suspension/or dispersible tablet	Injectable antibiotic for neonatal sepsis	Mean proportion of equipment items at facilities	Staff trained in neonatal sepsis	Staff trained in kangaroo mother care (KMC)	n
National	37%	82%	60%	24%	0%	105
Atoll						
MLE	100%	67%	83%	58%	0%	3
HA Atoll	20%	60%	40%	17%	0%	10
HDH Atoll	50%	75%	63%	25%	0%	8
SH Atoll	30%	80%	55%	22%	0%	10
N Atoll	33%	100%	67%	22%	0%	3
R Atoll	57%	93%	75%	22%	0%	14
B Atoll	0%	67%	33%	17%	0%	6
LH Atoll	67%	33%	50%	25%	0%	3
K Atoll	33%	67%	50%	19%	0%	3
AA Atoll	80%	100%	90%	28%	0%	5
ADH Atoll	14%	71%	43%	19%	0%	7
V Atoll	0%	100%	50%	17%	0%	1
M Atoll	20%	100%	60%	20%	0%	5
F Atoll	0%	75%	38%	27%	0%	4
DH Atoll	25%	100%	63%	25%	0%	4
TH Atoll	17%	100%	58%	18%	0%	6
L Atoll	50%	100%	75%	25%	0%	2
GA Atoll	33%	100%	67%	19%	0%	3
GDH Atoll	67%	100%	83%	31%	0%	3
GN Atoll	0%	100%	50%	50%	0%	1
S Atoll	75%	75%	75%	40%	0%	4
Facility type						
Referral hospital	100%	100%	100%	92%	0%	1
Hospital L3	50%	100%	75%	49%	0%	6
Hospital L2	44%	100%	72%	34%	0%	9
Hospital L1	43%	86%	64%	31%	0%	7
Health centre L1	28%	83%	56%	19%	0%	18
Health centre L2	41%	73%	57%	19%	0%	22
Health centre L3	34%	83%	59%	20%	0%	35
Health centre L4	29%	57%	43%	18%	0%	7

With regard to readiness for providing care for small and sick neonates, on average, only 24% of the items for providing care are available at the health facilities. These include 9% of staff and guideline items, 24% of equipment, and 60% of medicines and commodities. The main limiting items are staff training and guidelines on KMC. However, 92% of the items are available at the national referral hospital, but less than 50% of the items are available at other hospitals, with an average of 30% for the hospitals at Levels 1, 2 & 3.

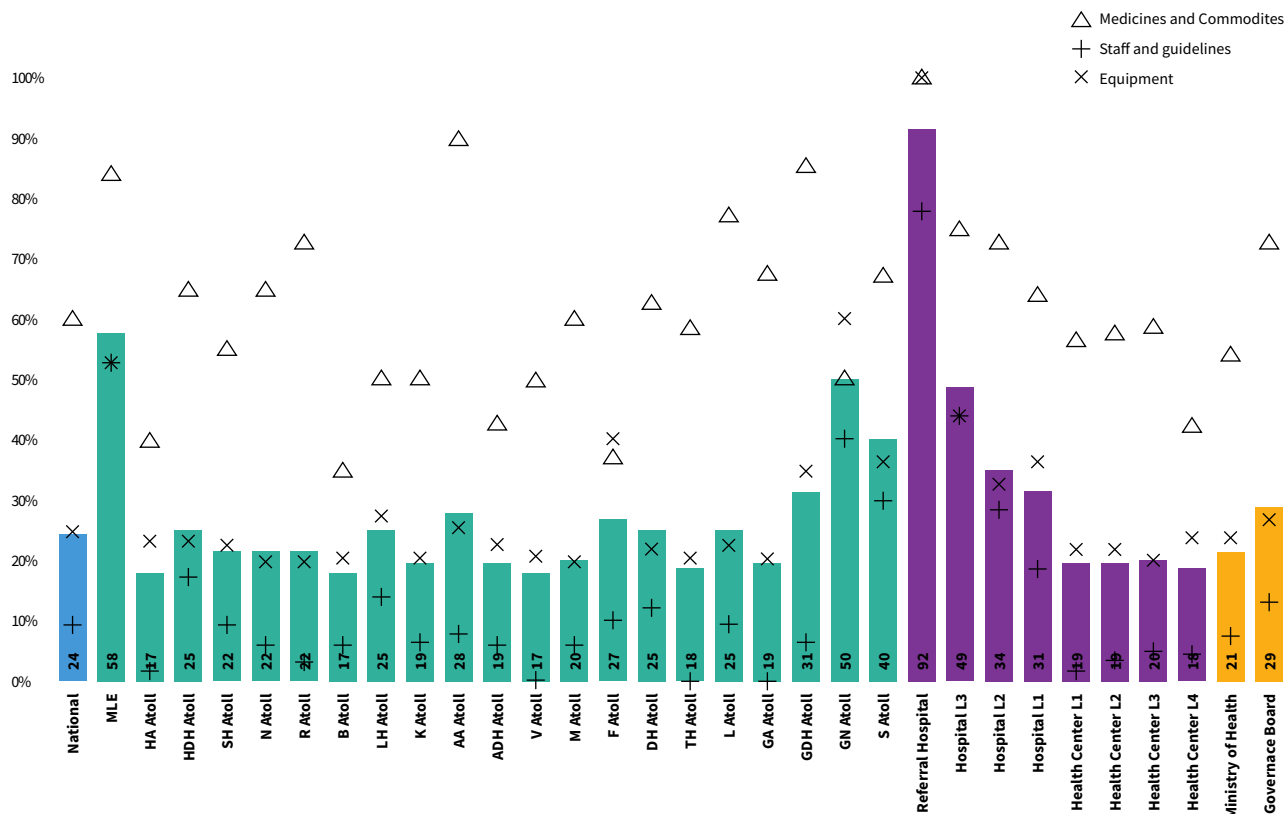


Fig. 58. Small and sick newborn care service readiness: mean proportion of all items at facilities by atoll and facility type

**Small and sick newborn
care service readiness:
Mean proportion of all
items at facilities**

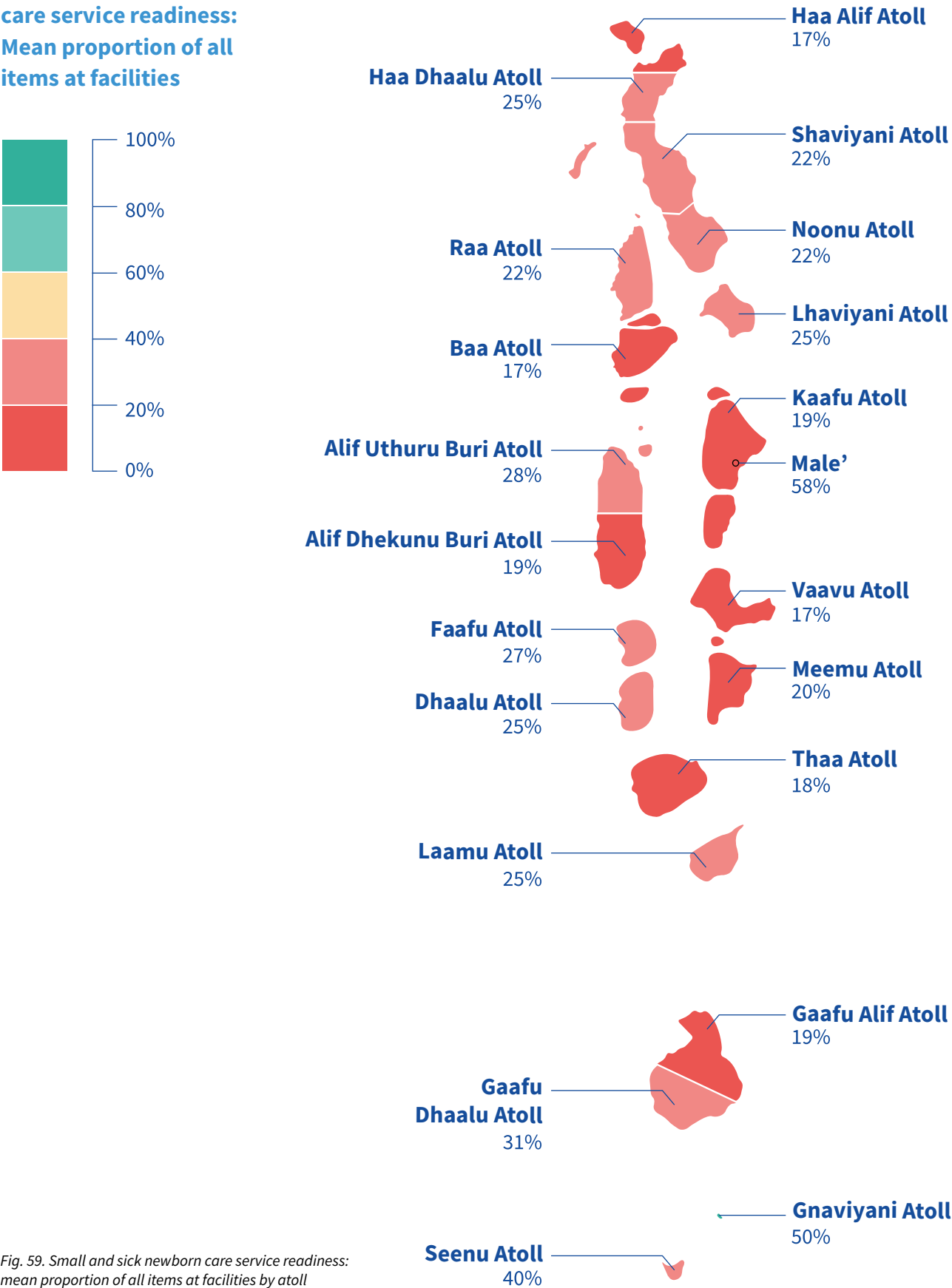


Fig. 59. Small and sick newborn care service readiness: mean proportion of all items at facilities by atoll

3.1.7. Postpartum care for mothers and neonates

3.1.7.1. Postpartum care service availability

Table 52. (3.1.7.1) Percentage of facilities offering postpartum care services by atoll and facility type

	Maternal and/or newborn postpartum care	Counseling to the mother/ caregiver on family planning	Counseling to the mother/ caregiver on danger signs in the neonate	Counseling to the mother/ caregiver on cord care and hygiene	Counseling to the mother/ caregiver on child nutritional needs and good feeding practices	Counseling to the mother/ caregiver to encourage exclusive breastfeeding	Counseling to the mother/ caregiver on child immunization needs	Provision of newborn BCG vaccine	Provision of newborn polio vaccine	n
National	54%	45%	45%	45%	48%	57%	53%	32%	31%	188
Atoll										
MLE	60%	60%	60%	60%	60%	60%	60%	60%	60%	5
HA Atoll	71%	50%	64%	64%	79%	86%	71%	43%	14%	14
HDH Atoll	85%	85%	77%	77%	77%	85%	85%	38%	15%	13
SH Atoll	64%	71%	57%	64%	71%	86%	79%	64%	21%	14
N Atoll	77%	38%	38%	31%	31%	62%	77%	38%	15%	13
R Atoll	67%	67%	60%	60%	60%	60%	67%	13%	40%	15
B Atoll	15%	8%	8%	8%	8%	8%	0%	8%	15%	13
LH Atoll	75%	50%	50%	50%	50%	75%	50%	75%	50%	4
K Atoll	44%	56%	44%	44%	56%	44%	44%	11%	56%	9
AA Atoll	88%	63%	63%	63%	63%	88%	63%	75%	88%	8
ADH Atoll	30%	30%	30%	30%	30%	30%	20%	30%	30%	10
V Atoll	60%	20%	20%	40%	20%	60%	20%	20%	20%	5
M Atoll	50%	88%	63%	50%	88%	88%	88%	38%	75%	8
F Atoll	60%	40%	40%	40%	40%	60%	40%	60%	60%	5
DH Atoll	83%	0%	83%	83%	83%	67%	83%	17%	83%	6
TH Atoll	38%	31%	31%	31%	31%	38%	38%	8%	15%	13
L Atoll	10%	10%	10%	10%	10%	10%	10%	10%	10%	10
GA Atoll	22%	22%	22%	22%	22%	22%	22%	22%	22%	9
GDH Atoll	44%	44%	22%	33%	33%	67%	56%	33%	0%	9
GN Atoll	100%	0%	100%	100%	100%	100%	100%	100%	0%	1
S Atoll	50%	25%	50%	50%	50%	50%	50%	25%	50%	4
Facility type										
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	83%	100%	100%	100%	83%	100%	100%	83%	6
Hospital L2	100%	67%	100%	100%	100%	100%	89%	100%	67%	9
Hospital L1	86%	71%	71%	86%	71%	86%	71%	86%	86%	7
Health centre L1	39%	26%	19%	19%	26%	39%	37%	9%	14%	57
Health centre L2	47%	42%	38%	40%	44%	53%	42%	24%	24%	45
Health centre L3	65%	59%	61%	59%	61%	71%	69%	41%	39%	49
Health centre L4	38%	31%	38%	38%	38%	38%	38%	23%	23%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

Postpartum care for mothers and neonates is provided at about half of the health facilities (54%). Among these services, 45% of the facilities provide counselling to the mother/caregiver on family planning, counselling to the mother/caregiver on danger signs in the neonate and counselling to the mother/caregiver on cord care and hygiene. Family planning counselling by facility type shows that while 83% of the Level 3 hospitals, 67% of the Level 2 hospitals and 71% of the Level 1 hospitals provide counselling to the mother/caregiver on family planning, it ranges from 38% to 65% at the health centres. Counselling to the mother/caregiver on child nutritional needs, along with good feeding practices, is provided at 48% of the facilities while more than half (57%) provide counselling to the mother/caregiver to encourage exclusive breastfeeding and 53% provide counselling to the mother/caregiver on child immunization needs. The provision of newborn BCG vaccine and polio vaccine is ensured at a third of the facilities – this is consistent with the service organization wherein birth doses are administered only at select facilities. Most of the atolls have at least one facility providing any of the postpartum services. The national referral hospital and the majority of the other hospitals provide newborn care services.

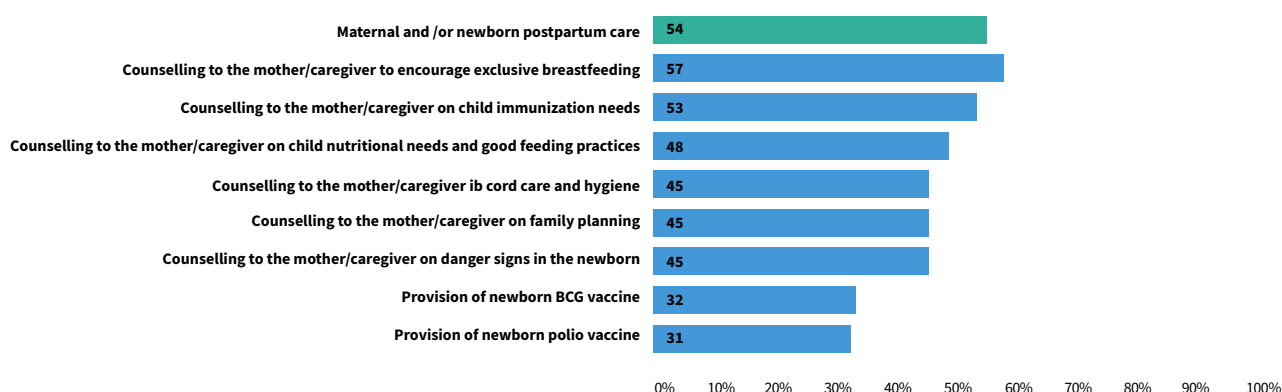


Fig. 60. Percentage of facilities offering postpartum care services

3.1.7.2. Postpartum care service readiness

Table 53. (3.1.7.2) Percentage of facilities with postpartum care service readiness items by atoll and facility type

	Staff and guidelines				Equipment			Medicines and commodities					
	Guidelines for maternal postpartum care	Staff trained in maternal postpartum care	Mean proportion of staff and guideline items at facilities	Private examination area for women	Infant weighing scale	Thermometer	Mean proportion of equipment items at facilities	Chlorhexidine	BCG vaccine	Polio vaccine	Amoxicillin suspension	Injectable antibiotic for maternal sepsis	n
National	23%	5%	14%	85%	39%	96%	74%	43%	71%	91%	42%	82%	102
Atoll													
MLE	100%	67%	83%	100%	67%	100%	89%	33%	100%	67%	100%	67%	3
HA Atoll	10%	0%	5%	90%	30%	100%	73%	10%	50%	90%	40%	70%	10
HDH Atoll	27%	0%	14%	100%	36%	100%	79%	36%	55%	100%	36%	64%	11
SH Atoll	33%	0%	17%	100%	89%	100%	96%	78%	100%	100%	33%	100%	9
N Atoll	10%	0%	5%	80%	40%	100%	73%	60%	50%	70%	20%	80%	10
R Atoll	10%	0%	5%	100%	10%	100%	70%	10%	70%	80%	60%	100%	10
B Atoll	50%	50%	50%	0%	50%	100%	50%	100%	50%	100%	50%	100%	2
LH Atoll	67%	0%	33%	67%	67%	100%	78%	33%	100%	100%	67%	33%	3
K Atoll	0%	0%	0%	100%	25%	100%	75%	75%	100%	100%	25%	50%	4
AA Atoll	14%	0%	7%	29%	29%	86%	48%	71%	100%	100%	86%	100%	7
ADH Atoll	33%	0%	17%	67%	33%	100%	67%	0%	33%	100%	33%	67%	3
V Atoll	0%	0%	0%	100%	33%	100%	78%	67%	33%	67%	0%	33%	3
M Atoll	25%	0%	13%	100%	50%	75%	75%	25%	75%	100%	50%	100%	4
F Atoll	0%	0%	0%	100%	67%	100%	89%	33%	67%	100%	0%	67%	3
DH Atoll	60%	20%	40%	100%	0%	80%	60%	0%	100%	100%	20%	100%	5
TH Atoll	0%	0%	0%	60%	40%	80%	60%	40%	60%	80%	40%	100%	5
L Atoll	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	0%	100%	1
GA Atoll	0%	0%	0%	50%	0%	100%	50%	50%	100%	100%	0%	100%	2
GDH Atoll	0%	0%	0%	100%	25%	100%	75%	100%	50%	100%	75%	100%	4
GN Atoll	100%	0%	50%	100%	100%	100%	100%	0%	100%	100%	0%	100%	1
S Atoll	50%	50%	50%	100%	50%	100%	83%	50%	50%	100%	100%	100%	2
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	50%	33%	42%	100%	83%	100%	94%	50%	100%	100%	50%	100%	6
Hospital L2	56%	22%	39%	89%	78%	100%	89%	56%	100%	100%	44%	100%	9
Hospital L1	67%	17%	42%	100%	50%	100%	83%	67%	100%	100%	50%	83%	6
Health centre L1	14%	0%	7%	77%	9%	95%	61%	32%	45%	86%	36%	77%	22
Health centre L2	0%	0%	0%	76%	33%	100%	70%	38%	43%	90%	48%	62%	21
Health centre L3	22%	0%	11%	88%	41%	91%	73%	44%	84%	94%	34%	91%	32
Health centre L4	0%	0%	0%	100%	40%	100%	80%	40%	80%	80%	60%	80%	5

3.1.7.2. Postpartum care service readiness (continued)

Table 53. (3.1.7.2) Percentage of facilities with postpartum care service readiness items by atoll and facility type

Medicines and commodities

	Injectable antibiotics for neonatal sepsis	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	82%	69%	60%	1%	102
Atoll					
MLE	100%	72%	79%	0%	3
HA Atoll	10%	55%	51%	0%	10
HDH Atoll	27%	59%	56%	0%	11
SH Atoll	33%	85%	76%	0%	9
N Atoll	10%	60%	54%	0%	10
R Atoll	10%	70%	58%	0%	10
B Atoll	50%	83%	68%	0%	2
LH Atoll	67%	61%	61%	0%	3
K Atoll	0%	67%	57%	0%	4
AA Atoll	14%	93%	65%	0%	7
ADH Atoll	33%	50%	48%	0%	3
V Atoll	0%	39%	42%	0%	3
M Atoll	25%	75%	64%	0%	4
F Atoll	0%	56%	55%	0%	3
DH Atoll	60%	70%	62%	0%	5
TH Atoll	0%	70%	55%	0%	5
L Atoll	0%	83%	73%	0%	1
GA Atoll	0%	75%	55%	0%	2
GDH Atoll	0%	88%	68%	0%	4
GN Atoll	100%	67%	73%	0%	1
S Atoll	50%	83%	77%	50%	2
Facility type					
Referral hospital	100%	83%	82%	0%	1
Hospital L3	100%	83%	79%	17%	6
Hospital L2	100%	83%	77%	0%	9
Hospital L1	83%	81%	74%	0%	6
Health centre L1	77%	59%	50%	0%	22
Health centre L2	62%	57%	50%	0%	21
Health centre L3	91%	73%	62%	0%	32
Health centre L4	80%	70%	60%	0%	5

Postpartum care service readiness shows that more than 60% of the items are available at the health facilities, with 1% of the facilities having all items. These include 69% of the medicines and commodities and 74% of the equipment but only 14% of the guidelines and trained staff.

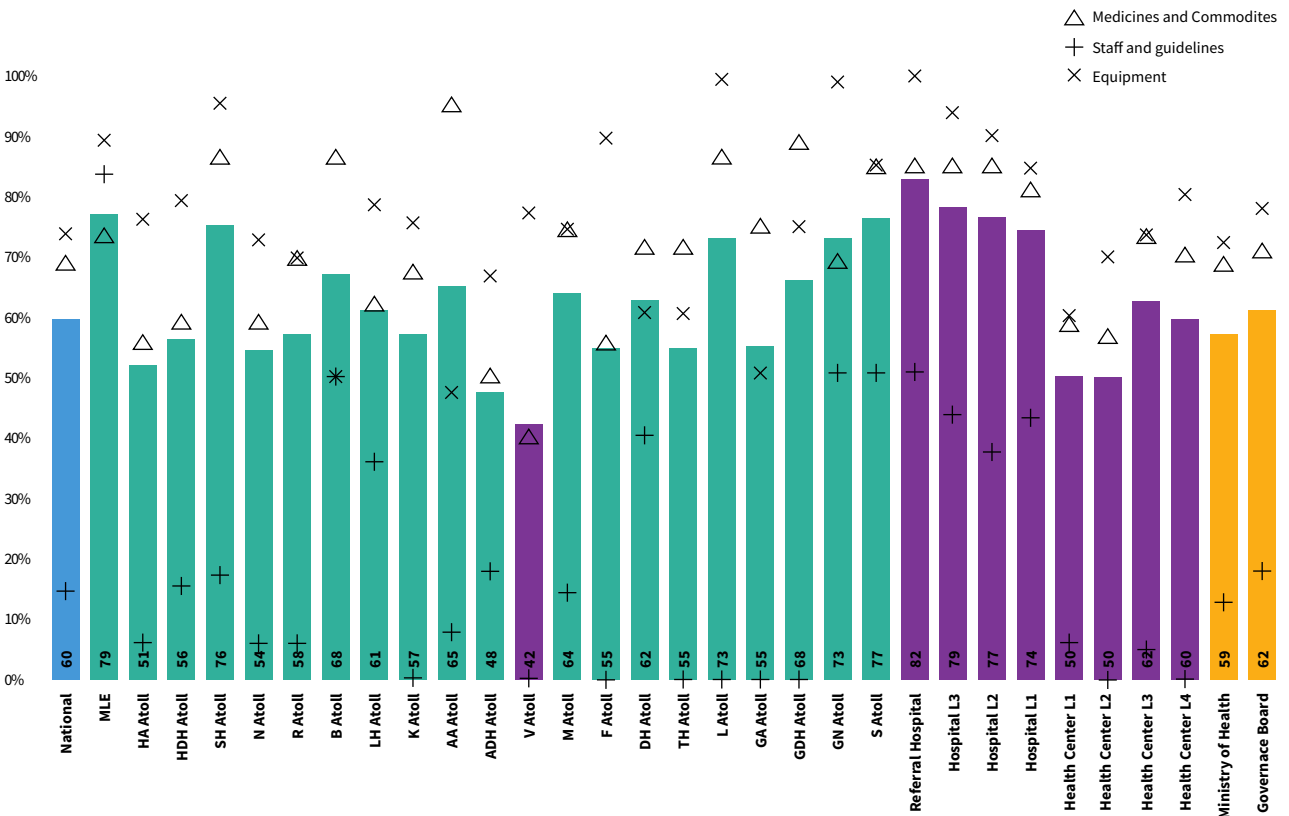


Fig. 61. Postpartum care service readiness: mean proportion of all items at facilities by atoll and facility type

Postpartum care service readiness: Mean proportion of all items at facilities

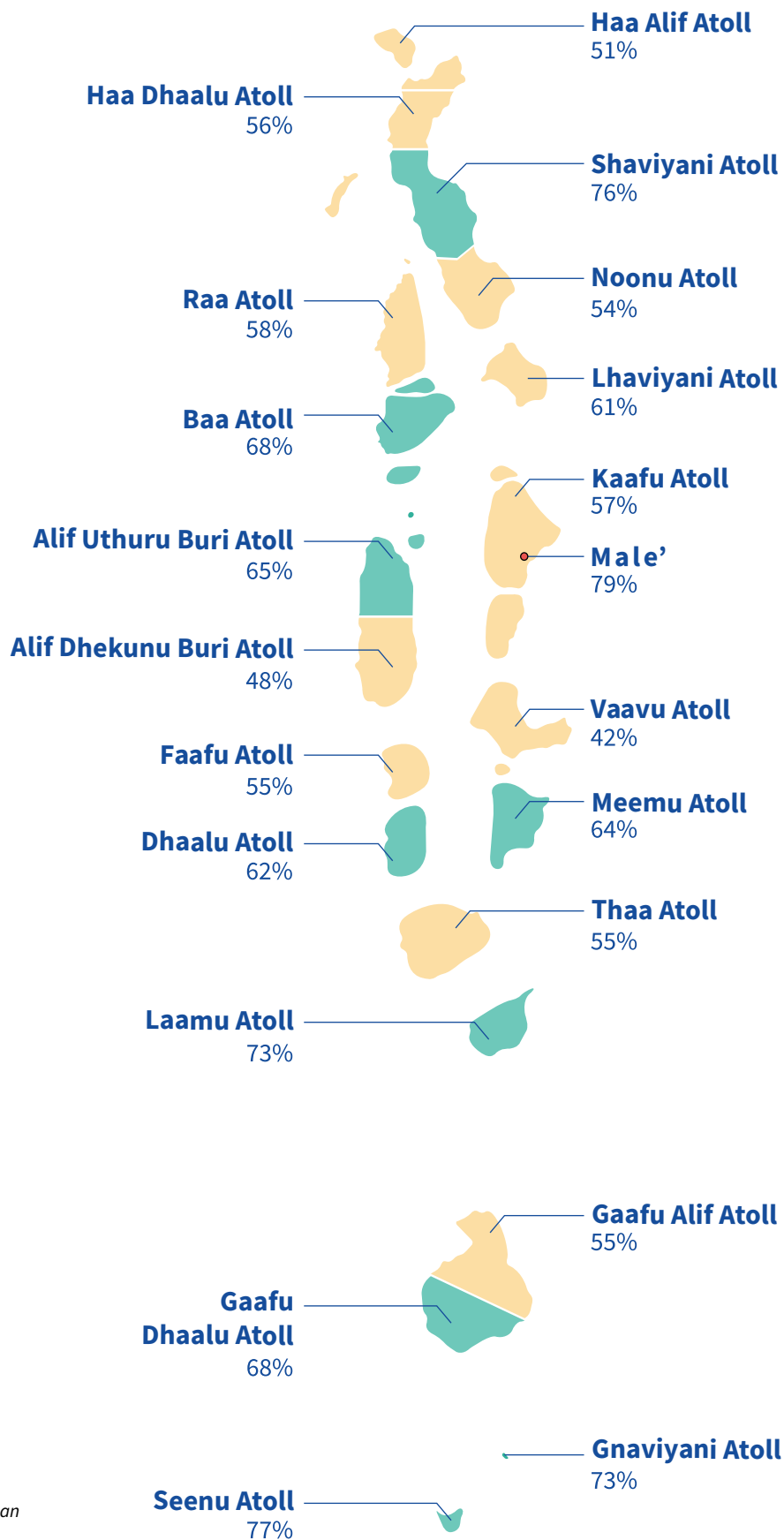
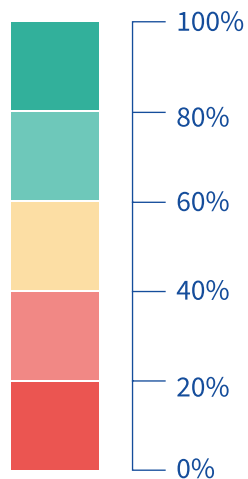


Fig. 62. Postpartum care service readiness: mean proportion of all items at facilities by atoll

3.1.8. Child health preventative and curative care services

3.1.8.1. Child health preventative and curative care service availability

Table 54. (3.1.8.1) Percentage of facilities offering child health preventative and curative care services

	Preventative or curative care for children under 5	Preventative nutrition monitoring in children under 5	Diagnosis and/or treatment of malnutrition in children under 5	Diagnosis and treatment of acute malnutrition in children under 5	Referral of severely malnourished children elsewhere within the facility for treatment	Provision of feeding supplements for home treatment	Routine vitamin A supplementation	Diagnosis and treatment of anaemia with iron supplementation in children under 5	Diagnosis and treatment of diarrhoea with ORS and zinc in children under 5	Diagnosis and first-line treatment of pneumonia in children under 5	n
National	89%	89%	41%	27%	22%	10%	88%	37%	27%	14%	188
Atoll											
MLE	60%	60%	60%	20%	40%	20%	60%	40%	20%	20%	5
HA Atoll	100%	100%	93%	43%	0%	7%	100%	50%	7%	14%	14
HDH Atoll	100%	100%	54%	15%	31%	8%	100%	38%	15%	8%	13
SH Atoll	79%	79%	43%	14%	14%	0%	79%	21%	7%	0%	14
N Atoll	100%	100%	15%	8%	31%	0%	100%	38%	38%	23%	13
R Atoll	93%	93%	53%	27%	0%	0%	93%	80%	13%	0%	15
B Atoll	92%	92%	8%	8%	23%	0%	92%	31%	31%	0%	13
LH Atoll	100%	100%	0%	25%	25%	0%	100%	25%	75%	25%	4
K Atoll	78%	78%	0%	11%	22%	0%	78%	33%	0%	0%	9
AA Atoll	88%	88%	63%	63%	63%	50%	75%	88%	50%	25%	8
ADH Atoll	100%	100%	70%	60%	50%	0%	100%	0%	30%	30%	10
V Atoll	100%	100%	60%	40%	20%	20%	80%	60%	100%	60%	5
M Atoll	88%	88%	38%	25%	25%	0%	88%	38%	50%	0%	8
F Atoll	100%	100%	40%	40%	20%	20%	100%	40%	40%	60%	5
DH Atoll	83%	83%	33%	17%	0%	0%	83%	17%	33%	0%	6
TH Atoll	100%	100%	23%	15%	15%	31%	100%	15%	8%	8%	13
L Atoll	10%	10%	10%	10%	10%	0%	10%	10%	10%	10%	10
GA Atoll	100%	100%	11%	22%	33%	0%	100%	33%	22%	22%	9
GDH Atoll	100%	100%	56%	44%	11%	22%	100%	11%	56%	11%	9
GN Atoll	100%	100%	100%	100%	0%	100%	100%	100%	100%	0%	1
S Atoll	100%	100%	100%	100%	75%	50%	100%	100%	25%	50%	4
Facility type											
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	83%	50%	33%	100%	67%	50%	50%	6
Hospital L2	100%	100%	67%	78%	44%	22%	100%	89%	67%	33%	9
Hospital L1	100%	100%	71%	57%	43%	43%	100%	71%	57%	43%	7
Health centre L1	89%	89%	26%	16%	11%	0%	88%	26%	25%	5%	57
Health centre L2	91%	91%	40%	24%	18%	13%	89%	22%	27%	16%	45
Health centre L3	86%	86%	45%	20%	29%	6%	86%	47%	16%	8%	49
Health centre L4	77%	77%	31%	31%	23%	8%	77%	31%	15%	15%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

The majority (89%) of the facilities provide preventative or curative care for children under five years of age and monitor nutrition. However, less than half (41%) diagnose and/or treat malnutrition in children under five, with about a quarter providing diagnosis and treatment of acute malnutrition and 22% of the facilities referring children with severe malnutrition. Furthermore, 10% of the facilities feed supplements for home treatment while the majority (88%) provide vitamin A supplementation. For children under five, more than a third (37%) of the facilities diagnose and treat anaemia with iron supplementation, one fourth (27%) diagnose and treat diarrhoea with ORS and zinc, and only 14% diagnose and provide first-line treatment of pneumonia in children under five. The national referral hospital provides all services while these vary at other hospitals. However, diagnosis and treatment of diarrhoea with ORS and zinc, and diagnosis and first-line treatment of pneumonia are provided only at about half of the hospitals. Nutrition monitoring and vitamin A supplementation are high at all levels of hospitals and health centres.

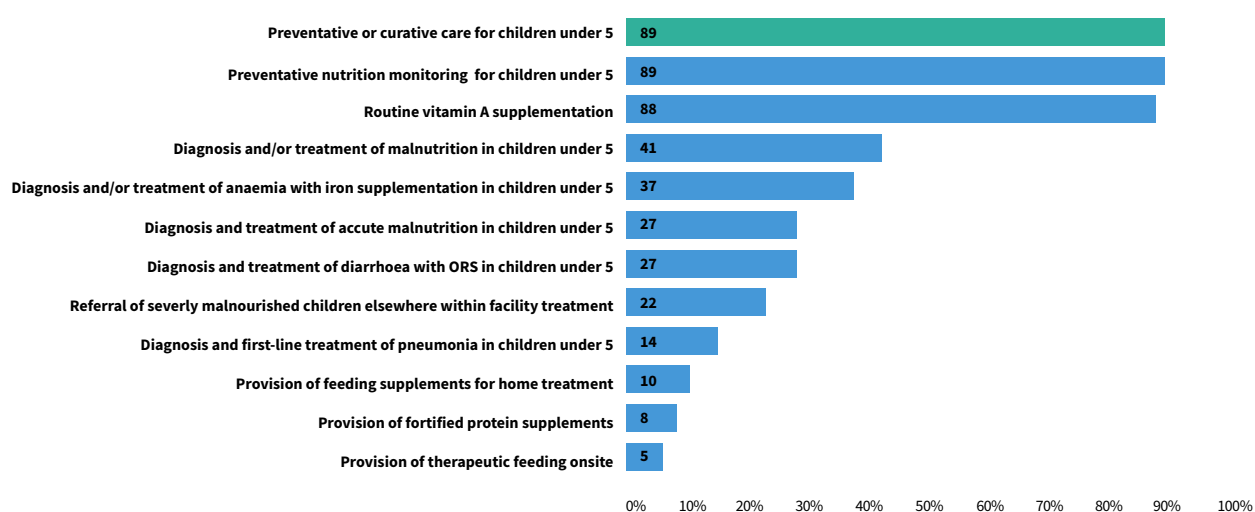


Fig. 63. Percentage of facilities offering child health preventative and curative care services

3.1.8.2. Child health preventative and curative care service readiness

Table 55. (3.1.8.2) Percentage of facilities with child health preventative and curative care service readiness items by atoll and facility type

	Staff and guidelines					Equipment			Medicines and commodities				
	Guidelines for IMCI	Staff trained in IMCI	Guidelines for growth monitoring	Staff trained in growth monitoring	Mean proportion of staff and guideline items at facilities	Child and infant scales	Length/height measuring equipment	Thermometer	Stethoscope	Growth chart	Individual child health chart/card	MUAC tape	n
National	26%	8%	27%	62%	29%	22%	83%	95%	99%	80%	45%	44%	167
Atoll													
MLE	100%	67%	100%	67%	83%	33%	67%	100%	100%	100%	33%	33%	3
HA Atoll	21%	0%	0%	93%	29%	21%	71%	100%	100%	64%	50%	64%	14
HDH Atoll	31%	15%	62%	85%	48%	23%	85%	100%	100%	92%	38%	85%	13
SH Atoll	9%	9%	9%	18%	11%	27%	82%	100%	100%	91%	36%	64%	11
N Atoll	0%	0%	0%	100%	25%	23%	100%	100%	100%	100%	46%	100%	13
R Atoll	29%	0%	0%	0%	7%	7%	100%	100%	100%	93%	7%	7%	14
B Atoll	42%	17%	33%	100%	48%	25%	100%	100%	100%	92%	42%	75%	12
LH Atoll	25%	25%	75%	100%	56%	50%	50%	100%	100%	75%	100%	0%	4
K Atoll	14%	0%	0%	29%	11%	29%	100%	100%	100%	43%	29%	14%	7
AA Atoll	29%	14%	29%	100%	43%	43%	86%	86%	86%	57%	86%	86%	7
ADH Atoll	30%	0%	10%	40%	20%	30%	100%	100%	100%	90%	10%	10%	10
V Atoll	0%	0%	0%	100%	25%	20%	100%	100%	100%	40%	40%	0%	5
M Atoll	14%	0%	0%	43%	14%	29%	86%	86%	100%	86%	29%	29%	7
F Atoll	0%	0%	20%	100%	30%	20%	100%	100%	100%	100%	60%	40%	5
DH Atoll	80%	0%	40%	80%	50%	0%	80%	80%	100%	80%	0%	0%	5
TH Atoll	23%	15%	46%	15%	25%	15%	23%	54%	92%	85%	85%	8%	13
L Atoll	0%	0%	0%	100%	25%	0%	0%	100%	100%	100%	100%	0%	1
GA Atoll	44%	11%	22%	33%	28%	11%	100%	100%	100%	44%	67%	11%	9
GDH Atoll	11%	0%	33%	67%	28%	11%	67%	100%	100%	56%	44%	67%	9
GN Atoll	100%	0%	100%	100%	75%	0%	100%	100%	100%	100%	100%	100%	1
S Atoll	50%	25%	0%	75%	38%	50%	75%	100%	100%	100%	75%	25%	4
Facility type													
Referral hospital	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	1
Hospital L3	67%	50%	33%	33%	46%	67%	83%	100%	100%	83%	67%	33%	6
Hospital L2	67%	33%	67%	89%	64%	33%	78%	100%	100%	100%	78%	44%	9
Hospital L1	43%	0%	43%	57%	36%	43%	86%	100%	100%	100%	43%	14%	7
Health centre L1	12%	4%	16%	71%	25%	8%	82%	94%	96%	75%	35%	49%	51
Health centre L2	29%	5%	17%	66%	29%	20%	85%	98%	100%	80%	41%	51%	41
Health centre L3	21%	2%	21%	52%	24%	26%	81%	88%	100%	79%	48%	40%	42
Health centre L4	20%	10%	10%	30%	18%	40%	80%	100%	100%	70%	50%	30%	10

3.1.8.2. Child health preventative and curative care service readiness (continued)

Table 55. (3.1.8.2) Percentage of facilities with child health preventative and curative care service readiness items by atoll and facility type

	Equipment		Diagnostics				Medicines and commodities						
	Respiratory rate timing device	Mean proportion of equipment items at facilities	Haemoglobin testing	Test for parasite in stool (general microscopy)	Mean proportion of diagnostic items at facilities	Oral rehydration salts (ORS)	Amoxicillin suspension/or dispersible tablet	Co-trimoxazole syrup/suspension	Paracetamol syrup/suspension	Vitamin A capsule	Mebendazole/albendazole tablet	Zinc sulfate tablet, dispersible tablet or syrup	n
National	14%	60%	43%	23%	33%	83%	34%	11%	84%	79%	80%	20%	167
Atoll													
MLE	33%	63%	100%	67%	83%	100%	100%	0%	100%	100%	100%	33%	3
HA Atoll	21%	62%	64%	21%	43%	86%	36%	0%	100%	14%	57%	0%	14
HDH Atoll	15%	67%	54%	46%	50%	85%	31%	0%	100%	77%	92%	15%	13
SH Atoll	9%	64%	64%	45%	55%	82%	36%	0%	82%	36%	55%	9%	11
N Atoll	23%	74%	23%	15%	19%	100%	15%	0%	100%	92%	92%	23%	13
R Atoll	0%	52%	57%	57%	57%	100%	50%	0%	100%	100%	93%	0%	14
B Atoll	67%	75%	33%	25%	29%	58%	33%	25%	67%	83%	67%	42%	12
LH Atoll	0%	59%	25%	0%	13%	50%	50%	25%	50%	75%	100%	0%	4
K Atoll	0%	52%	43%	14%	29%	100%	29%	0%	100%	100%	57%	29%	7
AA Atoll	29%	70%	29%	0%	14%	100%	86%	86%	100%	100%	100%	86%	7
ADH Atoll	0%	55%	40%	10%	25%	90%	20%	20%	90%	70%	80%	50%	10
V Atoll	0%	50%	0%	0%	0%	40%	0%	0%	20%	80%	40%	0%	5
M Atoll	29%	59%	29%	0%	14%	100%	14%	0%	100%	100%	71%	14%	7
F Atoll	0%	65%	80%	0%	40%	100%	0%	20%	20%	80%	60%	0%	5
DH Atoll	0%	43%	40%	20%	30%	100%	20%	0%	100%	100%	80%	0%	5
TH Atoll	0%	45%	23%	8%	15%	31%	15%	15%	38%	92%	100%	8%	13
L Atoll	0%	50%	100%	0%	50%	100%	0%	0%	100%	100%	100%	100%	1
GA Atoll	11%	56%	33%	22%	28%	100%	22%	22%	89%	89%	100%	33%	9
GDH Atoll	11%	57%	22%	22%	22%	89%	67%	0%	89%	100%	67%	0%	9
GN Atoll	0%	75%	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	1
S Atoll	0%	66%	50%	25%	38%	75%	75%	25%	100%	50%	100%	50%	4
Facility type													
Referral hospital	100%	75%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	1
Hospital L3	17%	69%	100%	83%	92%	100%	50%	0%	100%	100%	100%	33%	6
Hospital L2	33%	71%	89%	78%	83%	78%	44%	22%	89%	78%	89%	22%	9
Hospital L1	0%	61%	71%	14%	43%	71%	43%	29%	71%	86%	86%	29%	7
Health centre L1	12%	56%	6%	6%	6%	78%	27%	10%	76%	86%	82%	14%	51
Health centre L2	10%	61%	39%	10%	24%	88%	34%	10%	85%	78%	76%	24%	41
Health centre L3	17%	60%	57%	33%	45%	83%	33%	12%	88%	74%	74%	21%	42
Health centre L4	20%	61%	80%	40%	60%	90%	30%	0%	90%	50%	80%	10%	10

3.1.8.2. Child health preventative and curative care service readiness (continued)

Table 55. (3.1.8.2) Percentage of facilities with child health preventative and curative care service readiness items by atoll and facility type

Medicines and commodities									
	Iron tablets	Ready-to-use therapeutic food (RUTF)	Formula-75 (F75)	Formula-100 (F100)	Micronutrient powder (MNP)	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	32%	0%	0%	0%	0%	35%	42%	0%	167
Atoll									
MLE	100%	0%	0%	0%	0%	53%	63%	0%	3
HA Atoll	14%	0%	0%	0%	0%	26%	38%	0%	14
HDH Atoll	8%	0%	0%	0%	0%	34%	48%	0%	13
SH Atoll	45%	0%	0%	0%	0%	29%	39%	0%	11
N Atoll	23%	0%	0%	0%	0%	37%	45%	0%	13
R Atoll	21%	0%	0%	0%	0%	39%	39%	0%	14
B Atoll	17%	0%	0%	0%	0%	33%	48%	0%	12
LH Atoll	25%	0%	0%	0%	0%	31%	42%	0%	4
K Atoll	14%	0%	0%	0%	0%	36%	36%	0%	7
AA Atoll	100%	0%	0%	0%	0%	63%	58%	0%	7
ADH Atoll	60%	0%	0%	0%	0%	40%	40%	0%	10
V Atoll	0%	0%	0%	0%	0%	15%	26%	0%	5
M Atoll	29%	0%	0%	0%	0%	36%	38%	0%	7
F Atoll	0%	0%	0%	0%	0%	23%	38%	0%	5
DH Atoll	60%	0%	0%	0%	0%	38%	41%	0%	5
TH Atoll	8%	0%	0%	0%	0%	26%	31%	0%	13
L Atoll	100%	0%	0%	0%	0%	50%	46%	0%	1
GA Atoll	67%	0%	0%	0%	0%	44%	44%	0%	9
GDH Atoll	33%	0%	0%	0%	0%	37%	41%	0%	9
GN Atoll	100%	0%	0%	0%	0%	50%	65%	0%	1
S Atoll	50%	0%	0%	0%	0%	44%	49%	0%	4
Facility type									
Referral hospital	100%	0%	0%	0%	0%	58%	73%	0%	1
Hospital L3	50%	0%	0%	0%	0%	44%	56%	0%	6
Hospital L2	78%	0%	0%	0%	0%	42%	57%	0%	9
Hospital L1	57%	0%	0%	0%	0%	39%	46%	0%	7
Health centre L1	25%	0%	0%	0%	0%	33%	37%	0%	51
Health centre L2	27%	0%	0%	0%	0%	35%	41%	0%	41
Health centre L3	29%	0%	0%	0%	0%	35%	42%	0%	42
Health centre L4	20%	0%	0%	0%	0%	31%	40%	0%	10

Child health preventative and curative care service readiness shows that less than half (42%) of all items are available at the facilities. These include 35% of medicines and commodities, 33% of diagnostic items, 60% of equipment, and 29% of staff and guidelines items. The lower mean proportion of medicines and commodities at the facilities is affected by the number and types of items measured in the assessment some of which are not commonly used in the health services of the country (for example, F75, F100 and MNP are the items measured and no consideration for other alternative items that may be used).

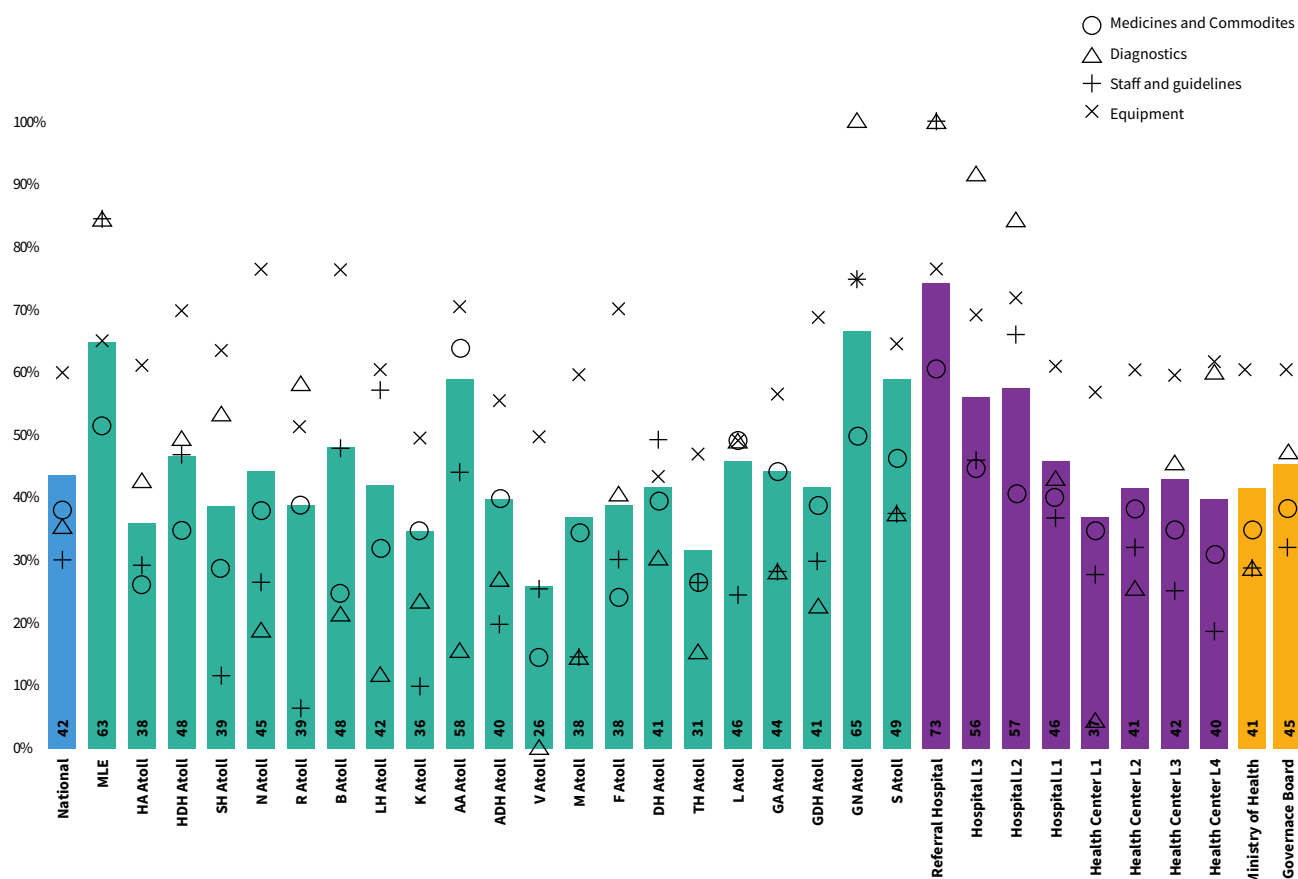


Fig. 64. Child health preventative and curative care service readiness: mean proportion of all items at facilities by atoll and facility type

Child health preventative and curative care service readiness: Mean proportion of all items at facilities

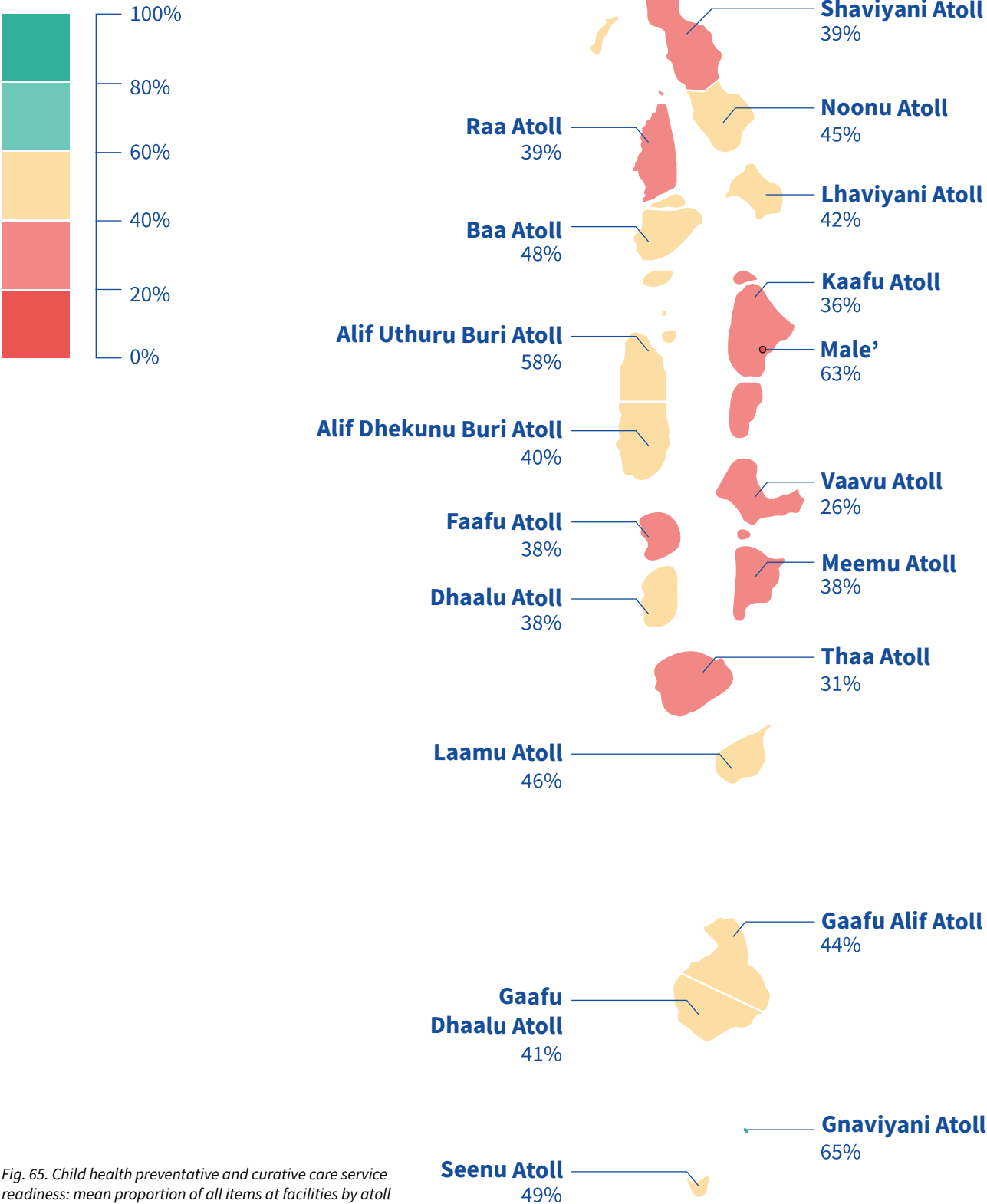


Fig. 65. Child health preventative and curative care service readiness: mean proportion of all items at facilities by atoll

3.1.9. Immunization

3.1.9.1. Immunization service availability

Table 56. (3.1.9.1) Percentage of facilities offering immunization services by atoll and facility type

	Any immunization services	Birth doses	Infant immunization	Child immunization	Adolescent/adult immunization	Routine child immunization offered daily at the facility or as outreach	Routine child immunization offered weekly at the facility or as outreach	Routine child immunization offered monthly at the facility or as outreach	Hepatitis B vaccination birth dose	BCG vaccination birth dose	BCG vaccination for infants	n
National	94%	52%	94%	93%	93%	30%	24%	29%	49%	43%	53%	188
MLE	80%	80%	80%	60%	60%	60%	20%	0%	80%	60%	60%	5
HA Atoll	86%	36%	86%	86%	86%	0%	7%	21%	36%	36%	43%	14
HDH Atoll	100%	38%	100%	92%	92%	54%	15%	0%	38%	38%	62%	13
SH Atoll	100%	86%	100%	100%	100%	0%	36%	7%	86%	86%	93%	14
N Atoll	100%	54%	100%	100%	100%	0%	0%	100%	54%	46%	46%	13
R Atoll	100%	40%	100%	100%	100%	7%	0%	93%	27%	40%	33%	15
B Atoll	100%	38%	100%	100%	100%	31%	31%	38%	38%	15%	23%	13
LH Atoll	100%	75%	100%	100%	100%	0%	25%	75%	50%	75%	75%	4
K Atoll	100%	67%	100%	100%	100%	11%	67%	22%	67%	56%	67%	9
AA Atoll	100%	88%	100%	100%	100%	0%	100%	0%	88%	75%	100%	8
ADH Atoll	100%	70%	100%	100%	100%	0%	20%	80%	60%	60%	70%	10
V Atoll	100%	40%	100%	100%	100%	100%	0%	0%	40%	20%	20%	5
M Atoll	100%	38%	100%	100%	100%	88%	13%	0%	38%	13%	13%	8
F Atoll	100%	80%	100%	100%	100%	40%	60%	0%	80%	60%	80%	5
DH Atoll	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	6
TH Atoll	92%	38%	92%	92%	92%	54%	23%	15%	38%	31%	46%	13
L Atoll	30%	10%	30%	30%	30%	10%	10%	10%	10%	10%	10%	10
GA Atoll	100%	33%	100%	100%	100%	78%	22%	0%	33%	22%	44%	9
GDH Atoll	100%	44%	100%	100%	100%	56%	22%	22%	44%	22%	56%	9
GN Atoll	100%	100%	100%	100%	100%	100%	0%	0%	100%	100%	100%	1
S Atoll	100%	25%	100%	100%	100%	0%	100%	0%	25%	25%	50%	4
Referral hospital	100%	100%	100%	0%	0%	100%	0%	0%	100%	100%	100%	1
Hospital L3	100%	83%	100%	83%	83%	50%	50%	0%	67%	83%	100%	6
Hospital L2	100%	100%	100%	100%	100%	33%	56%	11%	100%	100%	100%	9
Hospital L1	100%	86%	100%	100%	100%	43%	57%	0%	86%	71%	71%	7
Health centre L1	93%	30%	93%	93%	93%	30%	12%	39%	28%	19%	28%	57
Health centre L2	93%	44%	93%	93%	93%	29%	16%	36%	42%	36%	47%	45
Health centre L3	96%	63%	96%	96%	96%	29%	31%	22%	61%	57%	61%	49
Health centre L4	92%	62%	92%	92%	92%	23%	38%	31%	62%	46%	85%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

3.1.9.1. Immunization service availability (continued)

Table 56. (3.1.9.1) Percentage of facilities offering immunization services by atoll and facility type

	DPT vaccination for infants	Inactivated polio vaccination (IPV) for infants	Rotavirus vaccination for infants	Infant vaccine: measles rubella (MR)	Infant vaccines: pneumococcal conjugate vaccine (PCV)	Child immunizations (1–5): measles, mumps, rubella (MMR)	Child immunizations (1–5): DPT	Tetanus vaccination for adolescents/adults	Human papillomavirus (HPV) vaccination for adolescents/adults	Influenza vaccination for adolescents/adults	n
National	93%	92%	69%	93%	26%	93%	93%	92%	93%	74%	188
MLE	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	5
HA Atoll	86%	86%	0%	86%	0%	86%	86%	86%	86%	0%	14
HDH Atoll	92%	92%	23%	92%	8%	92%	92%	92%	85%	54%	13
SH Atoll	100%	93%	21%	100%	7%	100%	100%	100%	100%	21%	14
N Atoll	100%	100%	69%	100%	23%	100%	100%	92%	100%	100%	13
R Atoll	100%	100%	100%	100%	27%	100%	100%	100%	100%	100%	15
B Atoll	100%	100%	100%	100%	31%	100%	100%	100%	100%	100%	13
LH Atoll	100%	100%	50%	100%	75%	100%	100%	100%	100%	100%	4
K Atoll	100%	100%	78%	100%	11%	100%	100%	100%	100%	78%	9
AA Atoll	100%	100%	100%	100%	63%	100%	100%	100%	100%	100%	8
ADH Atoll	100%	90%	100%	100%	60%	100%	100%	100%	100%	100%	10
V Atoll	100%	100%	80%	100%	40%	100%	100%	100%	100%	80%	5
M Atoll	100%	100%	88%	100%	13%	100%	100%	100%	100%	63%	8
F Atoll	100%	100%	80%	100%	20%	100%	100%	100%	100%	60%	5
DH Atoll	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	6
TH Atoll	92%	92%	92%	92%	38%	92%	92%	92%	92%	92%	13
L Atoll	30%	30%	20%	30%	20%	30%	30%	30%	30%	30%	10
GA Atoll	100%	100%	100%	100%	44%	100%	100%	100%	100%	100%	9
GDH Atoll	100%	100%	89%	100%	11%	100%	100%	89%	100%	100%	9
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	100%	100%	100%	100%	25%	100%	100%	100%	100%	100%	4
Referral hospital	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	1
Hospital L3	83%	83%	83%	83%	100%	83%	83%	83%	83%	83%	6
Hospital L2	100%	100%	78%	100%	56%	100%	100%	100%	100%	78%	9
Hospital L1	100%	100%	100%	100%	57%	100%	100%	100%	100%	100%	7
Health centre L1	93%	93%	65%	93%	19%	93%	93%	91%	93%	79%	57
Health centre L2	93%	91%	73%	93%	24%	93%	93%	93%	93%	67%	45
Health centre L3	96%	94%	65%	96%	18%	96%	96%	94%	94%	73%	49
Health centre L4	92%	92%	69%	92%	15%	92%	92%	92%	92%	69%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

Almost all (94%) facilities provide infant immunization services, and 93% also offer child and adolescent immunization services. Birth doses are provided at 52% of the facilities. This is more or less consistent with the proportion of facilities providing BEmONC. About a third (30%) of the facilities offer immunization daily while another 24% provide the services every week and 29% organize monthly vaccination at the facilities or as outreach or both. The findings show that all Expanded Programme on Immunization (EPI) vaccines are provided at more than 90% of the health facilities across the hospitals and health centres. The national referral hospital provides only the birth doses and does not offer other EPI vaccinations. Vaccinations are provided at the majority of the health facilities in all atolls, with the lowest proportion detected in L Atoll.

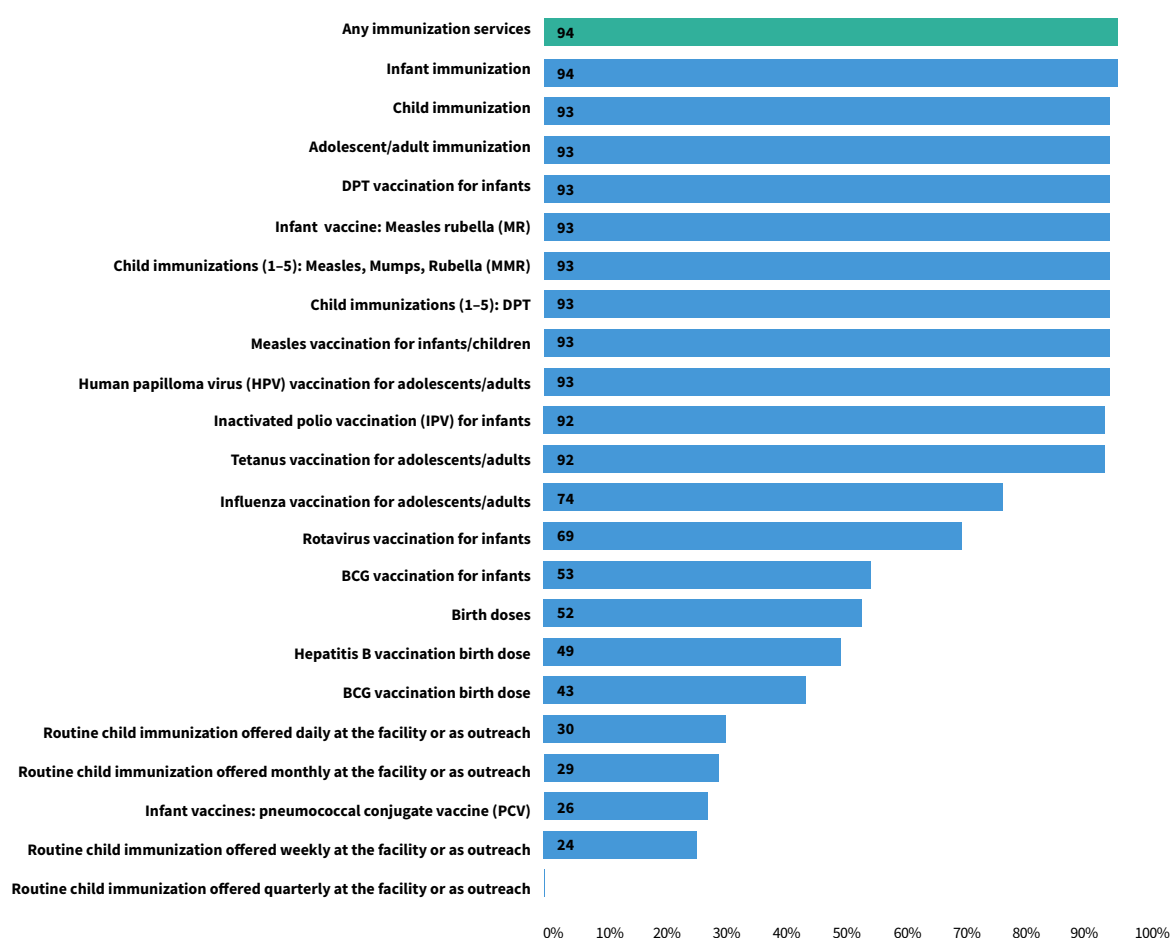


Fig. 66. Percentage of facilities offering immunization services

Percentage of facilities offering any immunization services

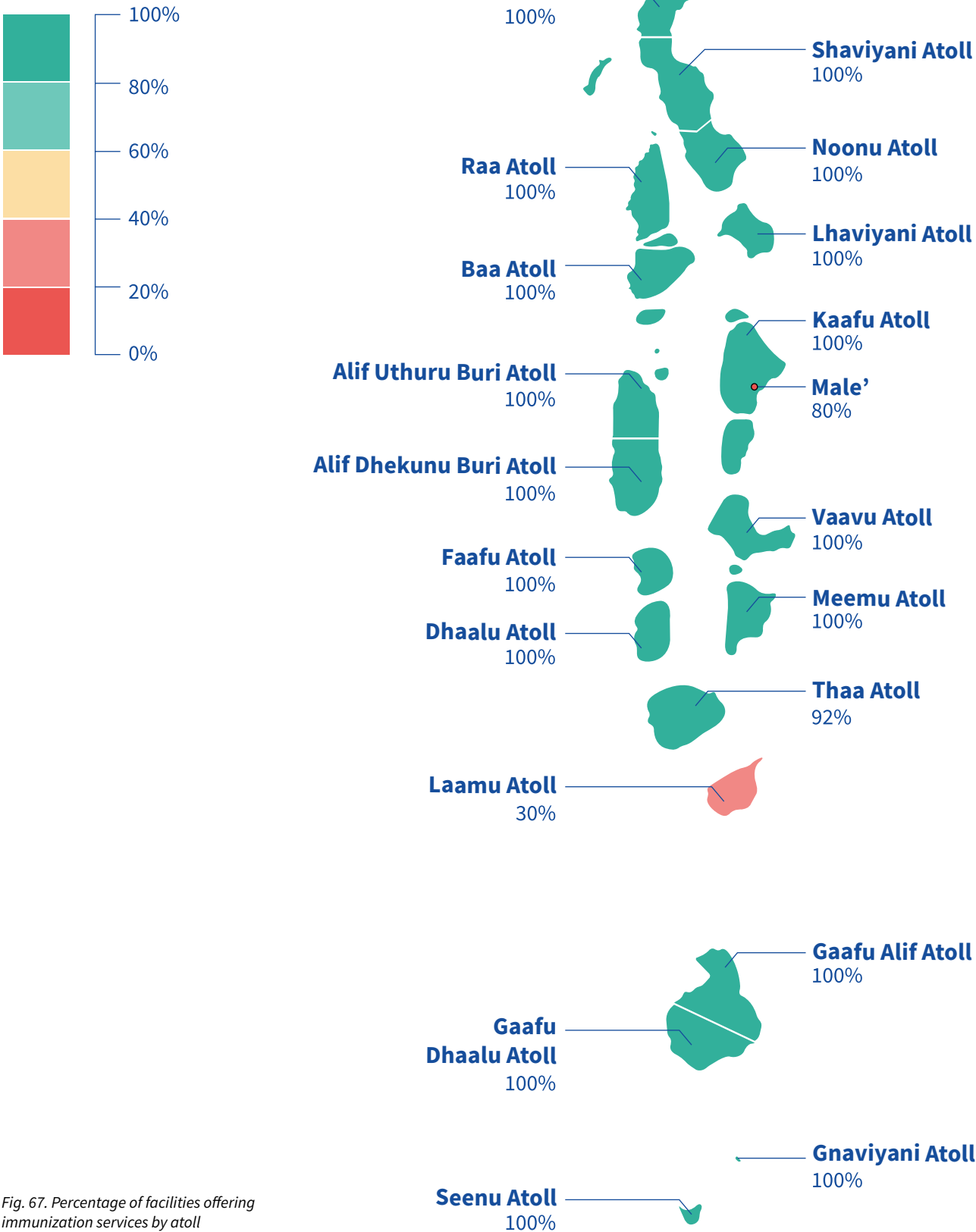


Fig. 67. Percentage of facilities offering immunization services by atoll

3.1.9.2. Immunization service readiness

Table 57. (3.1.9.2) Percentage of facilities with immunization service readiness items by atoll and facility type

Staff and guidelines					Equipment								
	Guidelines for child immunization	Staff trained in child immunization	Cold box or vaccine carrier with ice packs	Mean proportion of staff and guideline items at facilities	Refrigerator	Temperature monitoring device in the refrigerator	Hand hygiene items	Single-use standard disposable or auto-disable syringes	Appropriate storage of sharps waste	Immunization cards	Immunization tally sheets	Immunization registers	n
National	25%	13%	98%	45%	97%	96%	50%	98%	95%	93%	61%	96%	177
Atoll													
MLE	100%	75%	100%	92%	100%	100%	75%	100%	100%	100%	100%	100%	4
HA Atoll	0%	0%	100%	33%	100%	100%	33%	100%	92%	92%	42%	100%	12
HDH Atoll	31%	8%	100%	46%	100%	100%	54%	100%	100%	100%	77%	100%	13
SH Atoll	29%	14%	100%	48%	100%	100%	36%	100%	93%	93%	36%	100%	14
N Atoll	15%	15%	100%	44%	77%	77%	31%	92%	100%	100%	100%	100%	13
R Atoll	7%	7%	100%	38%	100%	100%	27%	100%	100%	93%	13%	93%	15
B Atoll	54%	15%	100%	56%	100%	100%	77%	100%	92%	92%	77%	100%	13
LH Atoll	50%	0%	100%	50%	100%	100%	50%	100%	100%	100%	100%	100%	4
K Atoll	11%	33%	100%	48%	100%	100%	33%	100%	100%	89%	67%	100%	9
AA Atoll	50%	0%	100%	50%	100%	100%	88%	100%	88%	100%	88%	100%	8
ADH Atoll	20%	10%	100%	43%	80%	70%	70%	90%	100%	100%	80%	80%	10
V Atoll	20%	20%	80%	40%	80%	80%	60%	80%	80%	80%	20%	80%	5
M Atoll	0%	0%	100%	33%	100%	100%	50%	100%	100%	88%	25%	75%	8
F Atoll	20%	40%	100%	53%	100%	100%	80%	100%	100%	100%	60%	100%	5
DH Atoll	50%	17%	100%	56%	100%	100%	67%	100%	100%	100%	67%	100%	6
TH Atoll	25%	17%	92%	44%	100%	100%	25%	100%	83%	75%	67%	100%	12
L Atoll	0%	0%	100%	33%	100%	100%	67%	100%	100%	100%	100%	100%	3
GA Atoll	11%	11%	100%	41%	100%	100%	33%	100%	89%	89%	78%	100%	9
GDH Atoll	22%	11%	89%	41%	100%	100%	56%	100%	100%	89%	44%	100%	9
GN Atoll	100%	0%	100%	67%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	25%	0%	100%	42%	100%	100%	100%	100%	100%	100%	25%	75%	4
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	67%	50%	100%	72%	100%	100%	50%	100%	100%	100%	67%	83%	6
Hospital L2	56%	67%	100%	74%	100%	100%	56%	100%	100%	100%	89%	100%	9
Hospital L1	29%	57%	100%	62%	100%	100%	86%	100%	100%	100%	71%	100%	7
Health centre L1	19%	2%	96%	39%	94%	92%	57%	94%	92%	87%	62%	94%	53
Health centre L2	21%	14%	100%	45%	98%	98%	50%	100%	100%	100%	55%	95%	42
Health centre L3	26%	2%	98%	42%	98%	98%	34%	100%	96%	89%	57%	100%	47
Health centre L4	8%	17%	100%	42%	92%	92%	58%	100%	83%	100%	58%	92%	12

3.1.9.2. Immunization service readiness (continued)

Table 57. (3.1.9.2) Percentage of facilities with immunization service readiness items by atoll and facility type

Medicines and commodities															
	Mean proportion of equipment items at facilities	Measles vaccine	DPT-HIB-HepB (pentavalent) vaccine	Oral polio vaccine (OPV)	BCG vaccine	Pneumococcal vaccine	Rotavirus vaccine	Inactivated poliovirus vaccine (IPV)	Human papillomavirus vaccine	Influenza vaccine	Hepatitis B vaccine	Mean proportion of vaccine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	86%	72%	93%	89%	56%	3%	7%	90%	90%	19%	64%	58%	67%	1%	177
Atoll															
MLE	97%	100%	75%	75%	100%	0%	25%	75%	75%	25%	100%	65%	81%	0%	4
HA Atoll	82%	8%	92%	92%	42%	0%	0%	92%	100%	0%	42%	47%	58%	0%	12
HDH Atoll	91%	77%	100%	100%	46%	8%	15%	100%	100%	8%	62%	62%	71%	8%	13
SH Atoll	82%	43%	100%	93%	100%	0%	0%	93%	93%	0%	100%	62%	68%	0%	14
N Atoll	85%	69%	69%	69%	46%	8%	0%	77%	69%	62%	62%	53%	64%	0%	13
R Atoll	78%	27%	100%	80%	60%	0%	0%	87%	100%	0%	53%	51%	59%	0%	15
B Atoll	92%	92%	92%	85%	15%	0%	0%	77%	92%	31%	31%	52%	68%	0%	13
LH Atoll	94%	100%	100%	100%	100%	0%	0%	100%	100%	50%	100%	75%	79%	0%	4
K Atoll	86%	78%	100%	89%	78%	11%	22%	100%	100%	11%	89%	68%	72%	0%	9
AA Atoll	95%	100%	100%	100%	88%	0%	0%	100%	100%	25%	100%	71%	77%	0%	8
ADH Atoll	84%	70%	70%	70%	30%	0%	10%	70%	50%	40%	70%	48%	61%	0%	10
V Atoll	70%	40%	40%	40%	20%	0%	0%	40%	40%	0%	20%	24%	44%	0%	5
M Atoll	80%	63%	100%	100%	50%	0%	0%	100%	100%	13%	50%	57%	63%	0%	8
F Atoll	93%	100%	100%	100%	60%	20%	60%	100%	80%	40%	80%	74%	78%	0%	5
DH Atoll	92%	100%	100%	100%	100%	0%	0%	100%	100%	17%	83%	70%	76%	0%	6
TH Atoll	81%	92%	100%	100%	58%	0%	0%	100%	100%	0%	42%	59%	65%	0%	12
L Atoll	96%	100%	100%	100%	67%	33%	33%	100%	67%	33%	33%	67%	73%	0%	3
GA Atoll	86%	100%	100%	100%	67%	0%	0%	100%	100%	44%	67%	68%	71%	0%	9
GDH Atoll	86%	100%	100%	100%	22%	11%	11%	100%	100%	11%	56%	61%	68%	0%	9
GN Atoll	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	90%	90%	0%	1
S Atoll	88%	100%	100%	75%	25%	0%	25%	75%	100%	0%	75%	57%	67%	0%	4
Facility type															
Referral hospital	100%	100%	0%	0%	100%	0%	0%	0%	0%	0%	100%	30%	62%	0%	1
Hospital L3	88%	100%	100%	100%	100%	50%	83%	100%	100%	67%	100%	90%	87%	17%	6
Hospital L2	93%	89%	100%	100%	100%	11%	11%	100%	100%	56%	89%	76%	82%	0%	9
Hospital L1	95%	86%	100%	100%	86%	14%	14%	100%	100%	29%	86%	71%	79%	0%	7
Health centre L1	84%	68%	89%	81%	26%	0%	0%	81%	83%	19%	36%	48%	61%	0%	53
Health centre L2	87%	64%	93%	88%	50%	0%	10%	93%	90%	14%	64%	57%	67%	0%	42
Health centre L3	84%	72%	96%	96%	74%	2%	2%	94%	96%	9%	77%	62%	67%	0%	47
Health centre L4	84%	75%	92%	83%	67%	0%	8%	92%	92%	25%	83%	62%	67%	0%	12

About two thirds (67%) of the items for immunization readiness are available at the facilities. These include 86% of the equipment, 58% of the vaccines and commodities, and 42% of the staff and guideline items. The results on staff trained for immunization are unexpected as a number of staff have been trained in the past two years in preparation for COVID-19 vaccinations. The lower vaccines and commodities availability is explained by the fact that a number of vaccines are included in this measure that is not used in the country. For instance, influenza vaccines are not part of the National Immunization Programme and therefore, stocks are not maintained at the facilities.

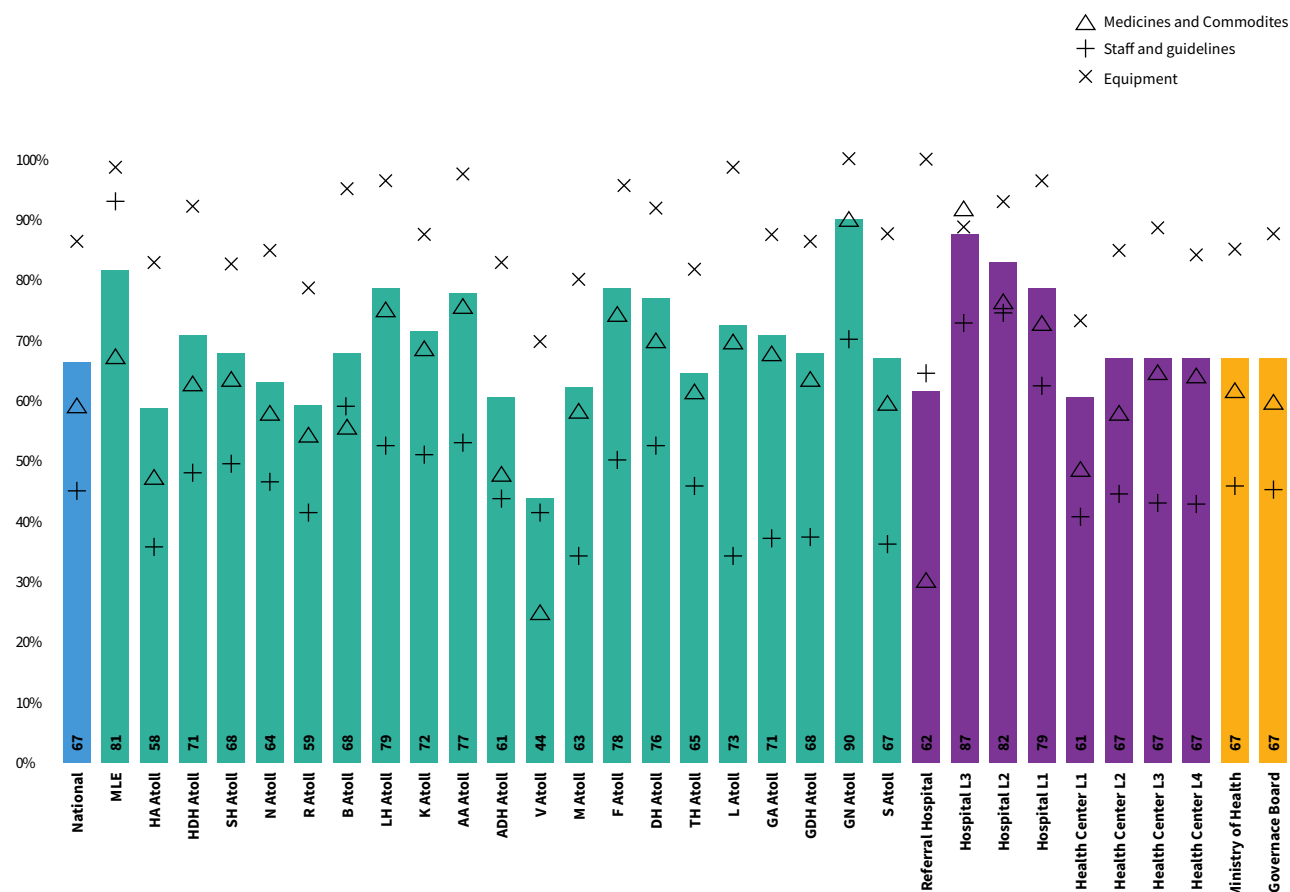


Fig. 68. Immunization service readiness: mean proportion of all items at facilities by atoll and facility type

**Immunization service readiness:
Mean proportion of medicines
and commodities at facilities**

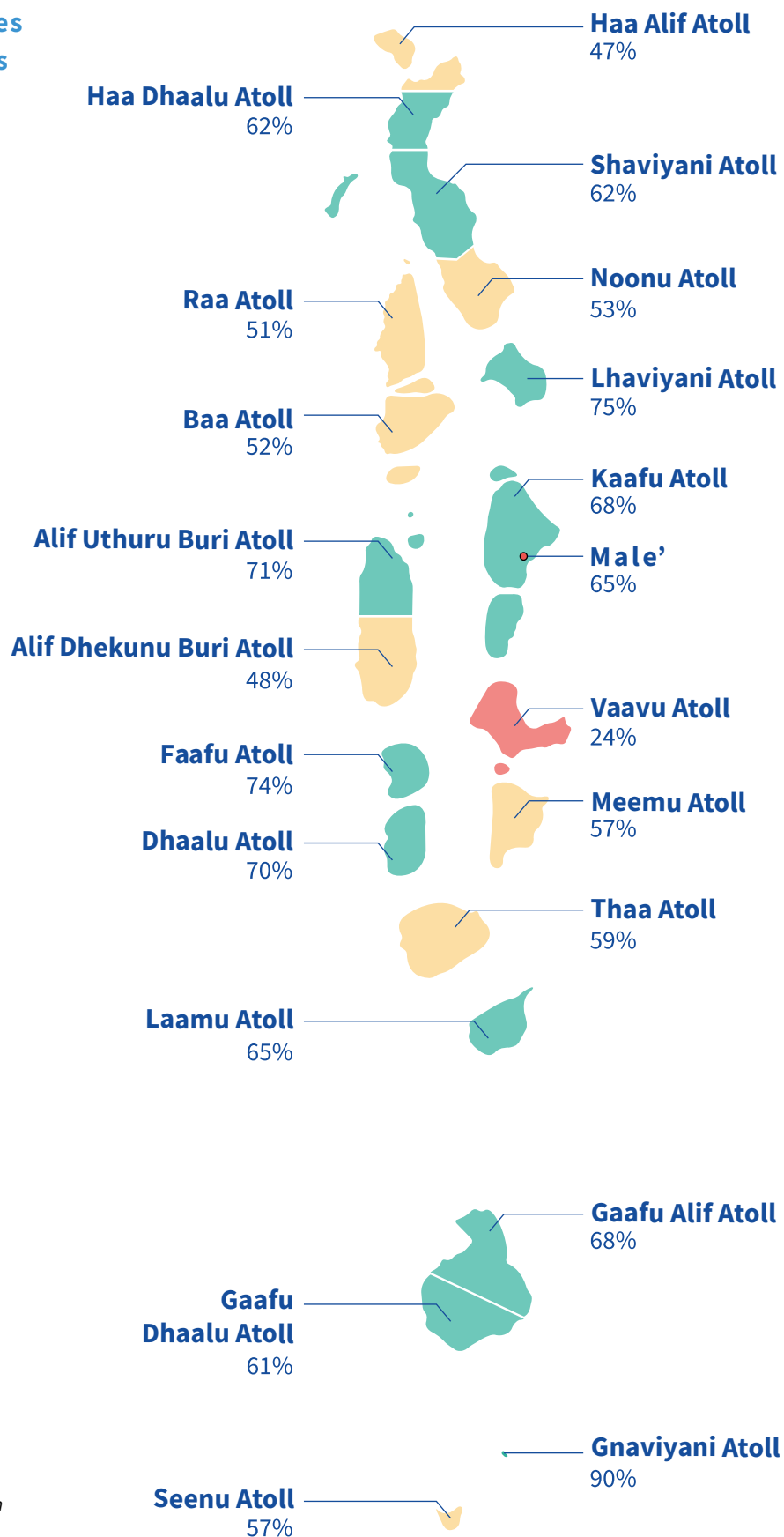
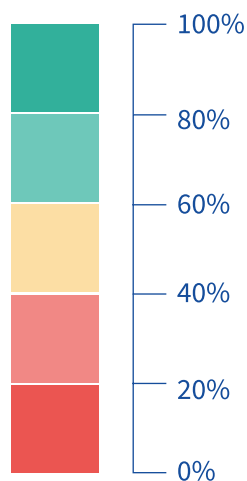


Fig. 69. Immunization service readiness: mean proportion of all items at facilities by atoll

3.1.10. Adolescent health

3.1.10.1. Adolescent health service availability

Table 58. (3.1.10.1) Percentage of facilities offering adolescent health service

	Any adolescent reproductive health services	Any family planning services for adolescents	Provision of combined oral contraceptive pills for adolescents	Provision of male condoms for adolescents	Provision of intrauterine contraceptive devices (IUCDs) for adolescents	Provision of emergency contraceptive pills for adolescents	Abortion services for adolescents	HIV testing services for adolescents	ART services for adolescents	HIV care and support services for adolescents	Voluntary male medical circumcision (VMMC) services for adolescents	TB diagnosis for adolescents	TB treatment for adolescents	n
National	31%	3%	2%	2%	0%	2%	5%	35%	1%	1%	9%	18%	14%	188
Atoll														
MLE	40%	40%	20%	20%	0%	40%	40%	80%	40%	20%	40%	20%	20%	5
HA Atoll	36%	0%	0%	0%	0%	0%	0%	64%	0%	0%	7%	36%	29%	14
HDH Atoll	69%	0%	0%	0%	0%	0%	8%	15%	0%	0%	8%	23%	8%	13
SH Atoll	36%	0%	0%	0%	0%	0%	7%	57%	0%	0%	7%	21%	21%	14
N Atoll	15%	0%	0%	0%	0%	0%	0%	23%	0%	0%	8%	8%	8%	13
R Atoll	27%	7%	7%	7%	0%	7%	7%	33%	0%	0%	7%	20%	7%	15
B Atoll	15%	8%	0%	0%	0%	0%	8%	15%	0%	0%	0%	8%	8%	13
LH Atoll	25%	0%	0%	0%	0%	0%	0%	75%	0%	0%	25%	50%	25%	4
K Atoll	33%	0%	0%	0%	0%	0%	0%	11%	0%	0%	0%	11%	0%	9
AA Atoll	63%	0%	0%	0%	0%	0%	0%	38%	0%	0%	13%	13%	13%	8
ADH Atoll	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	10%	10
V Atoll	20%	0%	0%	0%	0%	0%	0%	60%	0%	0%	0%	20%	20%	5
M Atoll	50%	0%	0%	0%	0%	0%	0%	25%	0%	0%	13%	13%	13%	8
F Atoll	20%	20%	20%	20%	0%	0%	0%	80%	0%	0%	20%	20%	20%	5
DH Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	17%	17%	6
TH Atoll	8%	0%	0%	0%	0%	0%	8%	15%	0%	0%	0%	0%	8%	13
L Atoll	0%	0%	0%	0%	0%	0%	10%	60%	0%	0%	10%	10%	10%	10
GA Atoll	44%	0%	0%	0%	0%	0%	0%	11%	0%	0%	11%	11%	11%	9
GDH Atoll	44%	0%	0%	0%	0%	0%	11%	33%	0%	0%	11%	22%	22%	9
GN Atoll	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	100%	100%	1
S Atoll	25%	25%	25%	25%	0%	25%	25%	100%	0%	0%	25%	50%	25%	4
Facility type														
Referral hospital	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	67%	50%	33%	33%	0%	50%	100%	83%	17%	0%	100%	83%	83%	6
Hospital L2	56%	0%	0%	0%	0%	0%	33%	56%	0%	0%	78%	89%	89%	9
Hospital L1	43%	14%	14%	14%	0%	14%	0%	71%	0%	0%	43%	71%	71%	7
Health centre L1	18%	2%	2%	2%	0%	0%	0%	11%	0%	0%	0%	5%	4%	57
Health centre L2	36%	0%	0%	0%	0%	0%	0%	29%	0%	0%	0%	7%	4%	45
Health centre L3	35%	2%	0%	0%	0%	0%	0%	49%	0%	0%	0%	12%	4%	49
Health centre L4	23%	0%	0%	0%	0%	0%	0%	46%	0%	0%	0%	15%	8%	13
Other	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	1

The provision of adolescent health services is low, with only a third (31%) of the facilities providing any adolescent health services. While HIV testing services are provided by 35% of the facilities, only 3% of the facilities provide adolescents with family planning services. TB diagnosis is conducted at 18% of the facilities and treatment provided at 14% of the facilities for adolescents.

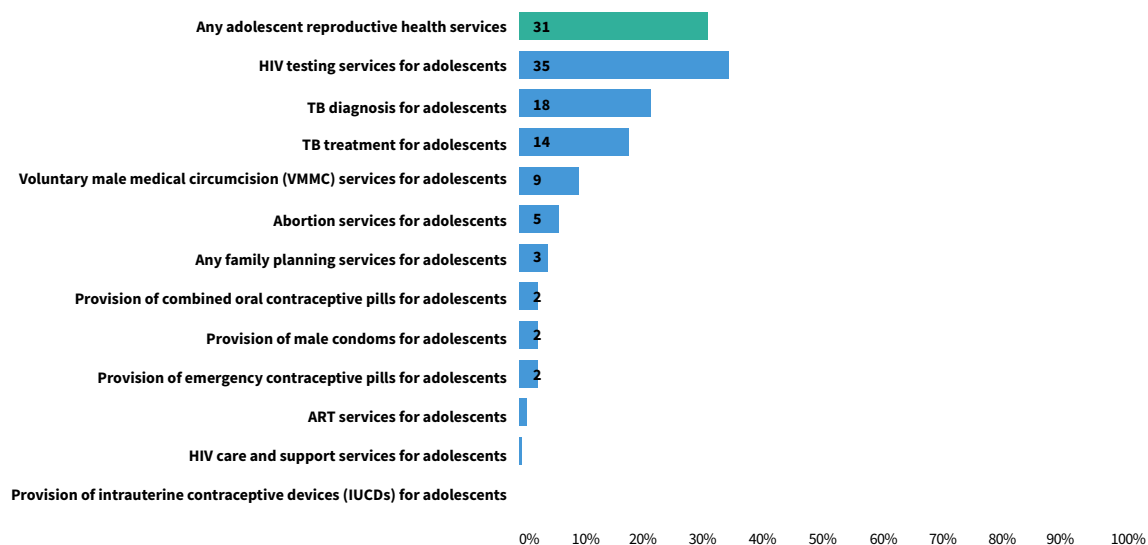


Fig. 70. Percentage of facilities offering adolescent health services

Percentage of facilities offering any adolescent reproductive health services

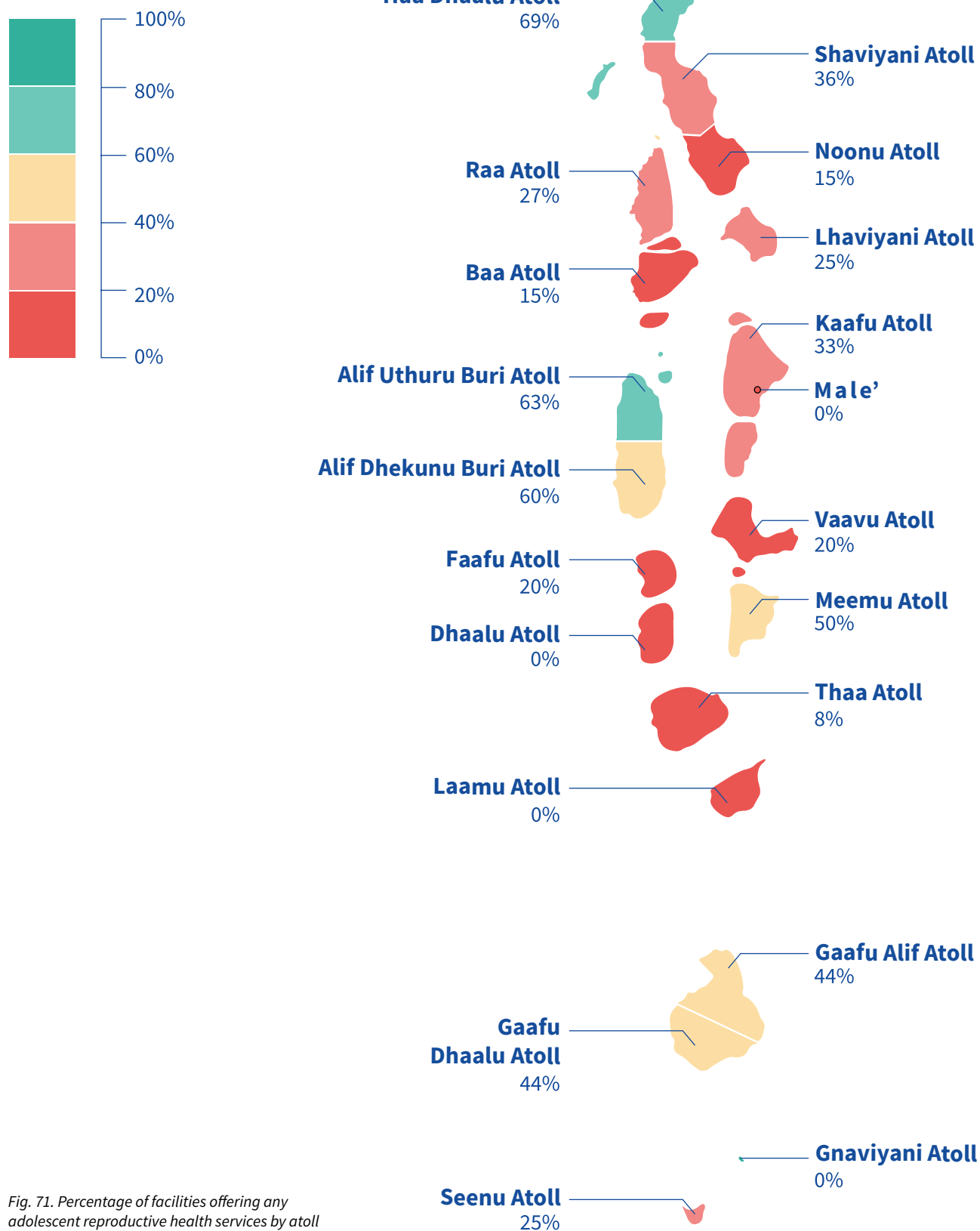


Fig. 71. Percentage of facilities offering any adolescent reproductive health services by atoll

3.1.10.2. Adolescent health service readiness

Table 59. (3.1.10.2) Percentage of facilities with adolescent health service readiness items by atoll and facility type

	Staff and guidelines						Diagnostics		Medicines and commodities			
	Guidelines for service provision for adolescents	Guidelines for adolescent reproductive health services	Staff trained in provision of adolescent health services	Staff providing family planning services trained in adolescent sexual and reproductive health	Staff providing HIV testing and counselling services trained in HIV/AIDS prevention, care and management for adolescents	Staff providing ART services trained in initiation and management of ART for adolescents	Mean proportion of vaccine and commodity items at facilities	HIV diagnostic testing	Male condoms	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	9%	16%	3%	34%	2%	0%	9%	67%	91%	25%	0%	58
Atoll												
HA Atoll	0%	0%	0%	20%	0%	0%	3%	80%	80%	20%	0%	5
HDH Atoll	22%	33%	22%	44%	0%	0%	17%	67%	100%	32%	0%	9
SH Atoll	20%	40%	0%	20%	0%	0%	11%	100%	100%	31%	8%	5
N Atoll	0%	0%	0%	50%	0%	0%	7%	100%	100%	28%	0%	2
R Atoll	0%	0%	0%	0%	0%	0%	0%	75%	100%	19%	0%	4
B Atoll	50%	50%	0%	0%	0%	0%	14%	50%	100%	28%	0%	2
LH Atoll	100%	100%	0%	0%	0%	0%	29%	100%	100%	44%	0%	1
K Atoll	0%	0%	0%	0%	0%	0%	0%	67%	100%	19%	0%	3
AA Atoll	0%	20%	0%	80%	20%	0%	17%	40%	80%	27%	0%	5
ADH Atoll	0%	0%	0%	50%	0%	0%	7%	33%	67%	17%	0%	6
V Atoll	0%	0%	0%	100%	0%	0%	14%	100%	100%	33%	0%	1
M Atoll	0%	0%	0%	0%	0%	0%	0%	50%	100%	17%	0%	4
F Atoll	0%	0%	0%	100%	0%	0%	14%	100%	100%	33%	0%	1
TH Atoll	0%	0%	0%	0%	0%	0%	0%	100%	100%	22%	0%	1
GA Atoll	0%	0%	0%	25%	0%	0%	4%	50%	75%	17%	0%	4
GDH Atoll	0%	25%	0%	75%	0%	0%	14%	75%	100%	31%	0%	4
S Atoll	0%	0%	0%	0%	0%	0%	0%	100%	100%	22%	0%	1
Facility type											0%	
Hospital L3	25%	25%	25%	0%	0%	0%	11%	100%	100%	31%	0%	4
Hospital L2	40%	40%	0%	20%	0%	0%	14%	100%	100%	33%	0%	5
Hospital L1	0%	0%	0%	67%	0%	0%	10%	100%	100%	30%	0%	3
Health centre L1	10%	20%	10%	30%	0%	0%	10%	10%	70%	17%		10
Health centre L2	0%	6%	0%	44%	0%	0%	8%	50%	94%	22%	0%	16
Health centre L3	6%	12%	0%	35%	0%	0%	8%	88%	94%	26%	0%	17
Health centre L4	0%	33%	0%	33%	0%	0%	10%	100%	100%	30%	0%	3
Managing authority											0%	
Ministry of Health	8%	13%	0%	33%	3%	0%	8%	65%	88%	23%	0%	40
Governance Board	11%	22%	11%	39	0%	0%	12%	72%	100%	28%	0%	18

About a quarter (25%) of the items for adolescent health service readiness are available at the health facilities, with 9% of the staff and guidelines items, 67% of the diagnostic items and 91% of the commodities. The majority of the facilities do not have the guidelines across the levels of the facilities and even the hospitals have reported not having staff trained in providing adolescent health services.

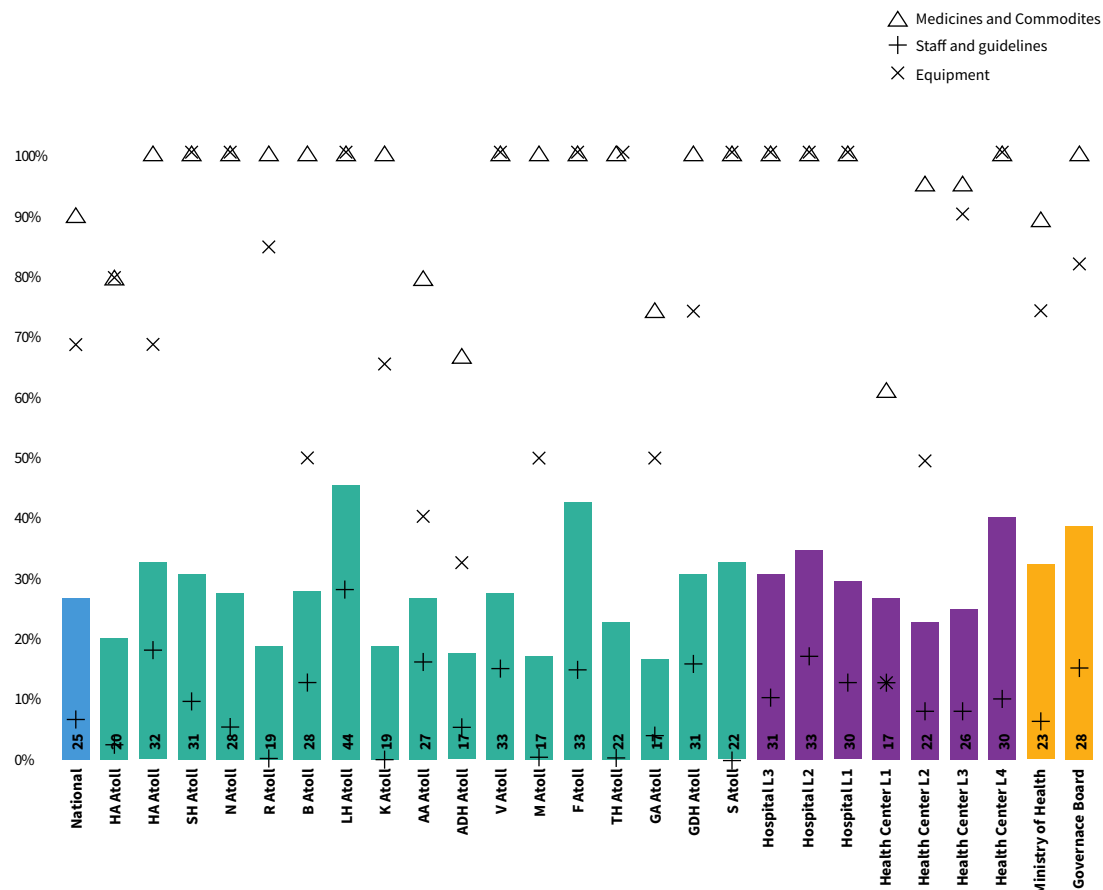


Fig. 72. Adolescent health service readiness: mean proportion of all items at facilities by atoll and facility type

3.2. Communicable diseases

3.2.1. Malaria

3.2.1.1. Malaria service availability

Table 60. (3.2.1.1) Percentage of facilities offering Malaria services by atoll and facility type

	Malaria diagnosis	Links with community volunteers or CSOs for any malaria-related services	n
National	14%	0%	188
Atoll			
MLE	20%	0%	5
HA Atoll	21%	0%	14
HDH Atoll	23%	0%	13
SH Atoll	36%	0%	14
N Atoll	0%	0%	13
R Atoll	13%	0%	15
B Atoll	15%	0%	13
LH Atoll	25%	0%	4
K Atoll	0%	0%	9
AA Atoll	0%	0%	8
ADH Atoll	10%	0%	10
V Atoll	20%	0%	5
M Atoll	13%	0%	8
F Atoll	0%	0%	5
DH Atoll	0%	0%	6
TH Atoll	8%	0%	13
L Atoll	0%	0%	10
GA Atoll	11%	0%	9
GDH Atoll	22%	0%	9
GN Atoll	0%	0%	1
S Atoll	50%	0%	4
Facility type			
Referral hospital	100%	0%	1
Hospital L3	67%	0%	6
Hospital L2	33%	0%	9
Hospital L1	29%	0%	7
Health centre L1	4%	0%	57
Health centre L2	9%	0%	45
Health centre L3	16%	0%	49
Health centre L4	15%	0%	13
Other	0%	0%	1

Malaria, which has been eliminated from Maldives, is a notifiable disease. Malaria diagnosis is available at 14% of the health facilities, including the referral hospital. Furthermore, 67% of the Level 3 hospitals provide malaria diagnosis while less than a third of the Level 2 and Level 1 hospitals offer the service. While only 4% of the Level 1 health centres provide malaria diagnosis, 15% of the Level 3 and Level 4 health centres deliver the service. However, in N, K, AA, F, DH and L atolls, none of the health facilities provides malaria diagnosis. None of the health facilities has any link with community volunteers or civil society organizations (CSOs) for any malaria-related service.

3.2.2. Tuberculosis

3.2.2.1. Tuberculosis (TB) service availability

Table 61. (3.2.2.1) Percentage of facilities offering Tuberculosis (TB) services by atoll and facility type

	Any TB services	Any services for drug-resistant TB	TB diagnosis for any type of patients	TB diagnosis in adults	TB diagnosis in minor adolescents	TB diagnosis in children	Any TB diagnostic testing (onsite)	TB diagnosis in adults by clinical symptoms and signs only	TB diagnosis in adults by sputum smear microscopy	TB diagnosis in adults by culture	TB diagnosis in adults by rapid test (GeneXpert MTB/RIF)	TB diagnosis in adults by chest X-ray	n
National	57%	7%	19%	20%	16%	16%	18%	19%	16%	0%	5%	9%	188
Atoll													
MLE	40%	20%	20%	40%	20%	40%	40%	40%	40%	0%	20%	40%	5
HA Atoll	100%	7%	36%	36%	36%	29%	29%	36%	29%	0%	0%	7%	14
HDH Atoll	92%	8%	15%	23%	8%	15%	15%	23%	15%	0%	8%	8%	13
SH Atoll	93%	7%	21%	21%	14%	21%	21%	21%	14%	0%	7%	7%	14
N Atoll	62%	0%	8%	8%	8%	8%	8%	8%	8%	0%	0%	8%	13
R Atoll	67%	7%	33%	33%	20%	20%	27%	27%	20%	0%	20%	7%	15
B Atoll	31%	15%	8%	8%	8%	8%	8%	8%	8%	0%	0%	8%	13
LH Atoll	50%	0%	50%	50%	50%	50%	50%	50%	50%	0%	25%	25%	4
K Atoll	22%	0%	11%	11%	11%	0%	11%	11%	11%	0%	0%	0%	9
AA Atoll	75%	13%	13%	13%	13%	13%	13%	13%	13%	0%	0%	13%	8
ADH Atoll	80%	0%	10%	10%	10%	0%	10%	10%	10%	0%	0%	0%	10
V Atoll	40%	0%	0%	0%	20%	0%	0%	0%	0%	0%	0%	0%	5
M Atoll	50%	0%	38%	38%	13%	25%	25%	38%	25%	0%	13%	13%	8
F Atoll	80%	0%	20%	20%	20%	20%	20%	20%	20%	0%	0%	20%	5
DH Atoll	17%	0%	17%	17%	17%	17%	17%	17%	17%	0%	0%	17%	6
TH Atoll	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13
L Atoll	10%	0%	10%	10%	10%	10%	10%	0%	10%	0%	0%	0%	10
GA Atoll	22%	11%	11%	11%	11%	11%	11%	11%	11%	0%	0%	11%	9
GDH Atoll	56%	33%	22%	22%	22%	22%	22%	22%	22%	0%	11%	11%	9
GN Atoll	100%	0%	100%	100%	100%	100%	100%	100%	100%	0%	0%	100%	1
S Atoll	100%	50%	50%	50%	50%	50%	50%	50%	50%	0%	25%	25%	4
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
Hospital L3	100%	50%	83%	100%	67%	100%	100%	83%	100%	0%	67%	83%	6
Hospital L2	100%	22%	89%	89%	89%	89%	89%	89%	78%	0%	22%	89%	9
Hospital L1	86%	29%	43%	43%	71%	43%	43%	43%	43%	0%	14%	43%	7
Health centre L1	42%	2%	4%	5%	2%	4%	4%	5%	4%	0%	0%	0%	57
Health centre L2	58%	4%	9%	9%	7%	7%	9%	9%	9%	0%	0%	0%	45
Health centre L3	55%	4%	18%	20%	12%	12%	14%	18%	12%	0%	4%	0%	49
Health centre L4	62%	8%	23%	15%	15%	8%	15%	15%	15%	0%	0%	0%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

3.2.2.1. Tuberculosis service availability (continued)

Table 61. (3.2.2.1) Percentage of facilities offering Tuberculosis (TB) services by atoll and facility type

	Routine testing of TB patients for HIV	Prescription of medicines for TB patients	Provision of medicines for TB patients during follow-up visits	Clinical follow-up and adherence support for TB patients	System for detecting TB in general outpatient department	Dedicated ward for inpatient care of TB patients	Links with communities or CSOs for any TB-related services	n
National	7%	12%	48%	31%	1%	4%	9%	188
Atoll								
MLE	0%	20%	40%	20%	20%	20%	20%	5
HA Atoll	7%	21%	79%	36%	0%	14%	0%	14
HDH Atoll	8%	8%	92%	69%	8%	0%	8%	13
SH Atoll	14%	21%	86%	43%	0%	0%	7%	14
N Atoll	0%	8%	54%	31%	0%	0%	0%	13
R Atoll	0%	7%	67%	27%	0%	7%	0%	15
B Atoll	15%	15%	23%	15%	0%	0%	8%	13
LH Atoll	25%	25%	50%	25%	0%	0%	0%	4
K Atoll	0%	0%	22%	11%	0%	11%	0%	9
AA Atoll	13%	13%	38%	13%	0%	0%	25%	8
ADH Atoll	10%	10%	80%	80%	0%	0%	0%	10
V Atoll	0%	0%	20%	20%	0%	0%	20%	5
M Atoll	13%	13%	25%	13%	0%	13%	0%	8
F Atoll	40%	0%	40%	60%	0%	20%	60%	5
DH Atoll	0%	17%	17%	17%	0%	0%	17%	6
TH Atoll	0%	0%	8%	8%	0%	0%	0%	13
L Atoll	0%	0%	10%	10%	0%	0%	10%	10
GA Atoll	0%	11%	22%	22%	0%	11%	0%	9
GDH Atoll	11%	22%	33%	33%	0%	0%	33%	9
GN Atoll	100%	100%	100%	100%	0%	0%	100%	1
S Atoll	0%	25%	100%	50%	0%	0%	0%	4
Facility type								
Referral hospital	0%	100%	100%	100%	100%	0%	0%	1
Hospital L3	17%	67%	100%	83%	0%	17%	33%	6
Hospital L2	56%	78%	100%	89%	0%	0%	33%	9
Hospital L1	57%	43%	86%	86%	0%	0%	29%	7
Health centre L1	0%	4%	30%	19%	0%	2%	5%	57
Health centre L2	4%	7%	49%	33%	0%	4%	9%	45
Health centre L3	2%	4%	43%	14%	2%	6%	4%	49
Health centre L4	8%	0%	62%	38%	0%	8%	0%	13
Other	0%	0%	0%	0%	0%	0%	0%	1

Maldives has a low prevalence of TB and is working towards the target of ending TB by 2025. At the time of the assessment, more than half of the health facilities (57%) provided any TB services and all atolls had a facility providing TB services. Only 7% of the facilities provide any service for drug-resistant TB; these include the national referral hospital and 50% of the Level 3 hospitals. TB diagnosis is provided at about a fifth of the health facilities, with the proportion ranging from 16% to 20% for different population groups. Diagnosis is provided at the national referral hospital and at almost all Level 2 and Level 3 hospitals. Only 5% of the facilities provide TB diagnosis by rapid test (GeneXpert); these include the national referral hospital and 67% of the Level 3 hospitals.

Diagnosis by X-ray is available at 9% of the facilities, including the majority (>80%) of the Level 2 and Level 3 hospitals, 43% of the Level 1 hospitals and the national referral hospital. Routine testing of TB patients for HIV is conducted at 7% of the facilities, mainly at the Level 2 and Level 3 facilities. Medicines for TB patients are prescribed at 12% of the facilities, including the national referral hospital, the majority of the Level 2 and Level 3 hospitals, and a few health centres. Provision of medicines for TB patients during follow-up visits is available at about half of the facilities (48%).

All atolls have facilities that provide medicines to TB patients during follow-up visits and 86% of the Level 1 hospitals, all Level 2 and Level 3 hospitals, and the national referral hospital provide this service. This is consistent with the National TB Programme management wherein a TB regimen is prescribed by the National Centre of Respiratory Medicine while provision and follow-up are conducted at other facilities. Among the health centres, 62% of the Level 4 health centres and half of the Level 2 and Level 3 ones provide medicines to TB patients during follow-up visits. A system for detecting TB in the general outpatient department is available only at the national referral hospital. A small number of facilities (9%) have links with communities or CSOs for any TB-related services; these include about a third of the hospitals.

The readiness indicators (see 3.2.2.2.) show that on average, 5% of the staff and guideline items are at the facilities, with only 9% of the facilities having guidelines for diagnosis and treatment of TB, 13% having guidelines for TB infection control and 7% having guidelines for management of HIV/TB co-infection (7%). The indicators on staff training show that none of the facilities has had trained staff in the past two years. On average, 28% of the diagnostic items are at the health facilities, with the national referral hospital having 75% of the items, the hospitals with GeneXpert capacity having 50% of the items and less than 20% of the items at other hospitals in the atolls. A quarter (25%) of the medicines and commodities for TB services are available at the facilities. Overall, only 17% of all items are available at the facilities and none of the facilities has all items for TB service readiness.

Out of the 14 facilities providing any services for MDR-TB, 16% of all items are available at the facilities, with none of the facilities having staff trained in the past two years and none of the facilities having the national first-line medicines for MDR-TB; the national referral hospital has 50% of all items (see 3.2.2.3). This finding is influenced by the process of MDR-TB management, with the National Programme responsible for providing the MDR-TB first-line drugs, instead of the hospitals.

Percentage of facilities offering any TB services

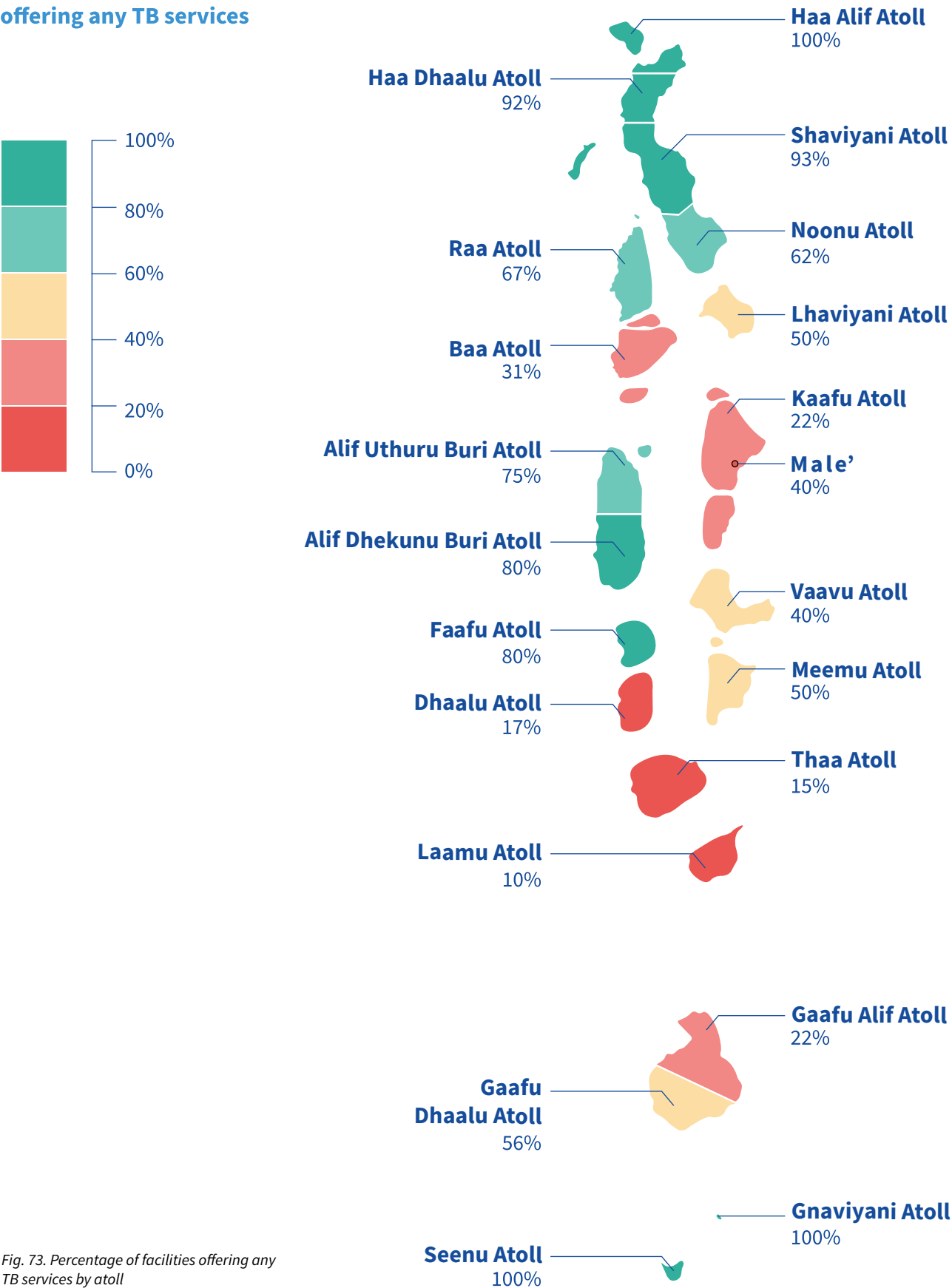


Fig. 73. Percentage of facilities offering any TB services by atoll

3.2.2.2. Tuberculosis service readiness

Table 62. (3.2.2.2) Percentage of facilities with TB service readiness items by atoll and facility type

	Staff and guidelines							Diagnostics					
	Guidelines for diagnosis and treatment of TB	Guidelines for TB infection control	Guidelines for management of HIV/TB co-infection	Staff trained in any aspect of TB service provision	Staff trained in TB infection control	Staff trained in management of HIV/TB co-infection	Mean proportion of staff and guideline items at facilities	TB microscopy capacity or system for offsite diagnosis	TB rapid diagnostic test (GeneXpert) capacity	HIV diagnostic capacity	System for documenting TB patients tested for HIV	Mean proportion of diagnostic items at facilities	n
National	9%	13%	7%	0%	0%	0%	5%	36%	4%	65%	5%	28%	107
Atoll													
MLE	100%	50%	50%	0%	0%	0%	33%	100%	50%	100%	0%	63%	2
HA Atoll	0%	7%	0%	0%	0%	0%	1%	29%	0%	64%	7%	25%	14
HDH Atoll	8%	17%	0%	0%	0%	0%	4%	42%	0%	58%	8%	27%	12
SH Atoll	15%	15%	15%	0%	0%	0%	8%	15%	8%	62%	0%	21%	13
N Atoll	13%	13%	0%	0%	0%	0%	4%	13%	0%	38%	0%	13%	8
R Atoll	0%	10%	10%	0%	0%	0%	3%	70%	0%	70%	0%	35%	10
B Atoll	25%	25%	25%	0%	0%	0%	13%	50%	0%	75%	25%	38%	4
LH Atoll	50%	50%	0%	0%	0%	0%	17%	0%	0%	100%	0%	25%	2
K Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	25%	2
AA Atoll	0%	0%	0%	0%	0%	0%	0%	17%	0%	33%	0%	13%	6
ADH Atoll	0%	13%	0%	0%	0%	0%	2%	25%	0%	63%	0%	22%	8
V Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	13%	2
M Atoll	0%	0%	0%	0%	0%	0%	0%	50%	25%	75%	0%	38%	4
F Atoll	0%	0%	0%	0%	0%	0%	0%	25%	0%	75%	25%	31%	4
DH Atoll	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%	0%	50%	1
TH Atoll	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%	0%	50%	2
L Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	25%	1
GA Atoll	0%	0%	0%	0%	0%	0%	0%	50%	0%	50%	0%	25%	2
GDH Atoll	20%	40%	40%	0%	0%	0%	17%	40%	0%	60%	0%	25%	5
GN Atoll	100%	100%	100%	0%	0%	0%	50%	100%	0%	100%	100%	75%	1
S Atoll	0%	0%	0%	0%	0%	0%	0%	75%	25%	100%	0%	50%	4
Facility type													
Referral hospital	100%	100%	100%	0%	0%	0%	50%	100%	100%	100%	0%	75%	1
Hospital L3	50%	17%	33%	0%	0%	0%	17%	83%	17%	100%	17%	54%	6
Hospital L2	56%	44%	22%	0%	0%	0%	20%	89%	11%	100%	22%	56%	9
Hospital L1	0%	17%	0%	0%	0%	0%	3%	50%	17%	100%	33%	50%	6
Health centre L1	4%	8%	4%	0%	0%	0%	3%	0%	0%	8%	0%	2%	24
Health centre L2	0%	15%	8%	0%	0%	0%	4%	23%	0%	58%	0%	20%	26
Health centre L3	0%	4%	0%	0%	0%	0%	1%	52%	0%	89%	0%	35%	27
Health centre L4	0%	0%	0%	0%	0%	0%	0%	25%	0%	88%	0%	28%	8

3.2.2.2. Tuberculosis service readiness (continued)

Table 62. (3.2.2.2) Percentage of facilities with TB service readiness items by atoll and facility type

Medicines and commodities

	All first-line TB medicines for adults	All first-line TB medicines for children	Tissues for patients in the main TB service area	Masks and/or cloths for covering the patient's mouth in the main TB service area	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	21%	2%	36%	42%	25%	17%	0%	107
Atoll								
MLE	100%	50%	50%	50%	63%	50%	0%	2
HA Atoll	7%	0%	57%	64%	32%	17%	0%	14
HDH Atoll	17%	8%	33%	42%	25%	17%	0%	12
SH Atoll	8%	0%	38%	46%	23%	16%	0%	13
N Atoll	13%	0%	0%	38%	13%	9%	0%	8
R Atoll	10%	0%	0%	0%	3%	12%	0%	10
B Atoll	25%	0%	25%	25%	19%	21%	0%	4
LH Atoll	50%	0%	50%	50%	38%	25%	0%	2
K Atoll	0%	0%	0%	0%	0%	7%	0%	2
AA Atoll	17%	0%	50%	83%	38%	14%	0%	6
ADH Atoll	13%	0%	75%	75%	41%	19%	0%	8
V Atoll	50%	0%	100%	100%	63%	21%	0%	2
M Atoll	25%	0%	50%	25%	25%	18%	0%	4
F Atoll	50%	0%	50%	50%	38%	20%	0%	4
DH Atoll	100%	0%	0%	0%	25%	21%	0%	1
TH Atoll	50%	0%	0%	0%	13%	18%	0%	2
L Atoll	100%	0%	0%	0%	25%	14%	0%	1
GA Atoll	50%	0%	0%	0%	13%	11%	0%	2
GDH Atoll	20%	0%	20%	20%	15%	19%	0%	5
GN Atoll	100%	0%	0%	0%	25%	50%	0%	1
S Atoll	25%	0%	50%	50%	31%	23%	0%	4
Facility type								
Referral hospital	100%	100%	0%	0%	50%	57%	0%	1
Hospital L3	100%	17%	33%	50%	50%	37%	0%	6
Hospital L2	100%	0%	11%	11%	31%	33%	0%	9
Hospital L1	83%	0%	17%	17%	29%	24%	0%	6
Health centre L1	0%	0%	42%	58%	25%	9%	0%	24
Health centre L2	4%	0%	46%	50%	25%	15%	0%	26
Health centre L3	4%	0%	30%	37%	18%	15%	0%	27
Health centre L4	0%	0%	50%	38%	22%	14%	0%	8

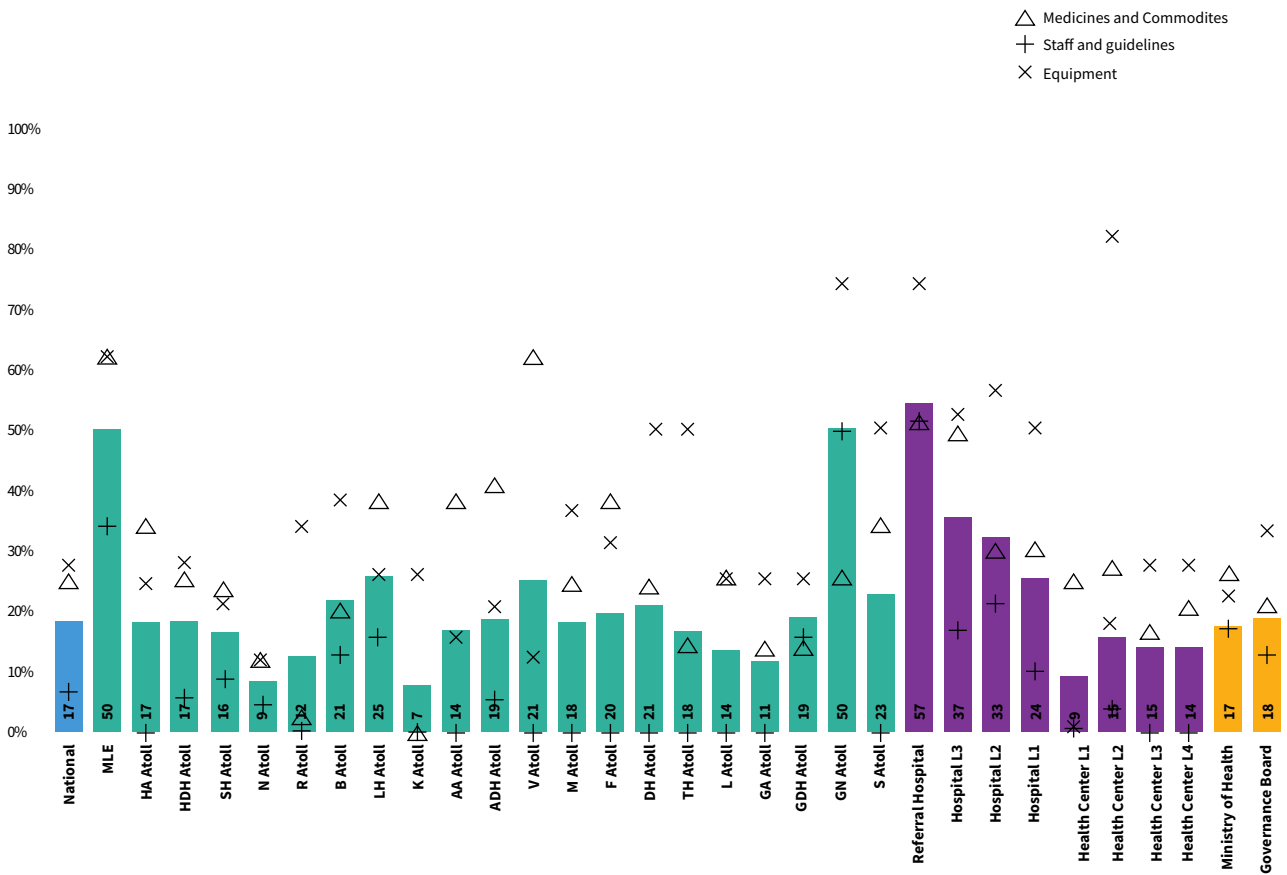


Fig. 74. Tuberculosis service readiness: mean proportion of all items at facilities by atoll and facility type

Tuberculosis service readiness:
Mean proportion of all items
at facilities

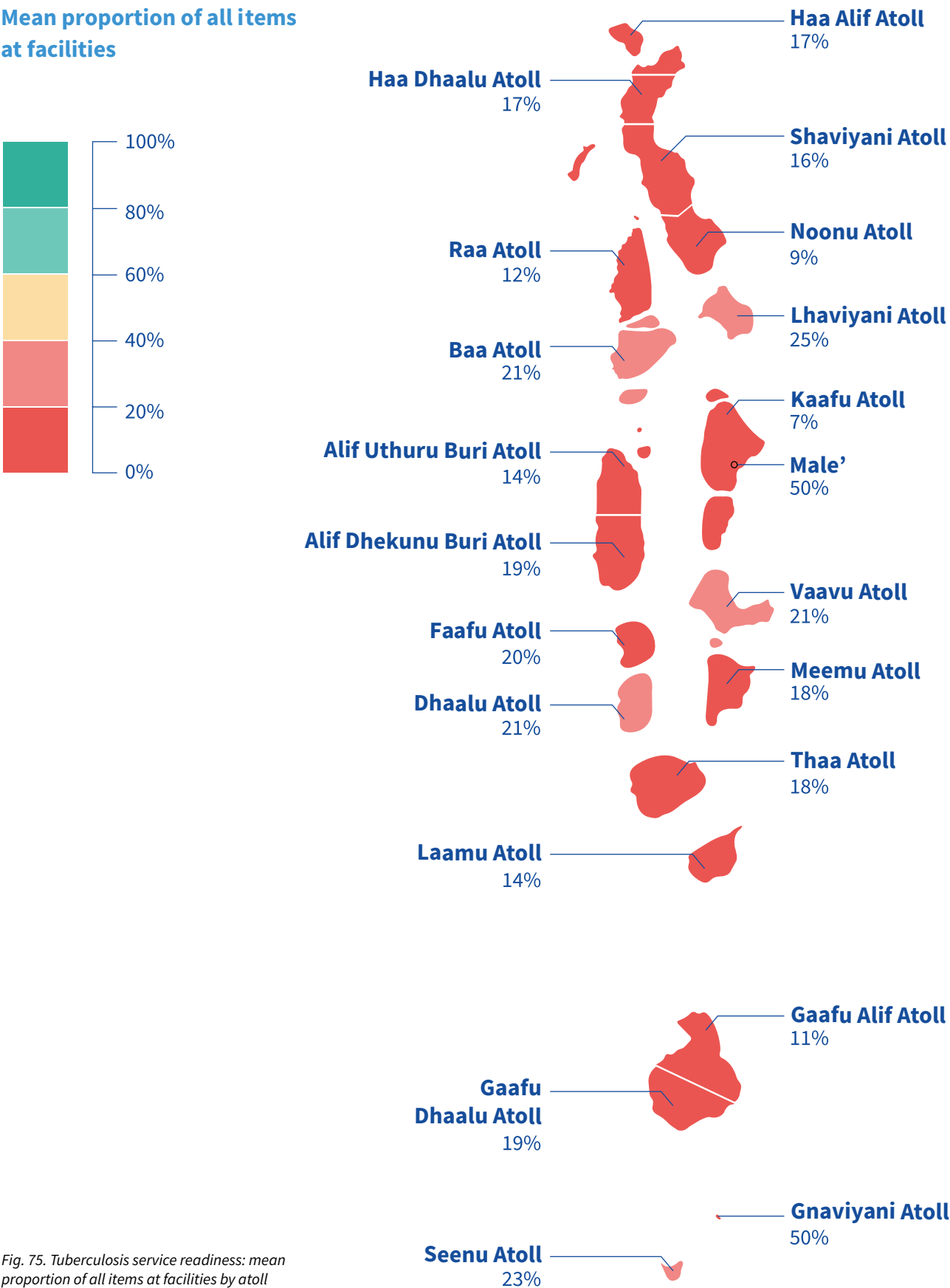


Fig. 75. Tuberculosis service readiness: mean proportion of all items at facilities by atoll

3.2.2.3. Drug-resistant tuberculosis service readiness

Table 63. (3.2.2.3) Percentage of facilities with drug-resistant tuberculosis service readiness items by atoll and facility type

	Staff and guidelines			Diagnostics	Medicines and commodities			
	Guidelines for drug-resistant TB	Staff trained in drug-resistant TB	Mean proportion of staff and guideline items at facilities	Capacity (internal or external) for testing rifampicin drug resistance	National first-line medicines for MDR-TB	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	21%	0%	11%	43%	0%	16%	0%	14
Atoll								
MLE	100%	0%	50%	100%	0%	50%	0%	1
HA Atoll	0%	0%	0%	0%	0%	0%	0%	1
HDH Atoll	0%	0%	0%	0%	0%	0%	0%	1
SH Atoll	100%	0%	50%	100%	0%	50%	0%	1
R Atoll	0%	0%	0%	0%	0%	0%	0%	1
B Atoll	0%	0%	0%	50%	0%	13%	0%	2
AA Atoll	0%	0%	0%	0%	0%	0%	0%	1
GA Atoll	0%	0%	0%	100%	0%	25%	0%	1
GDH Atoll	33%	0%	17%	0%	0%	8%	0%	3
S Atoll	0%	0%	0%	100%	0%	25%	0%	2
Facility type								
Referral hospital	100%	0%	50%	100%	0%	50%	0%	1
Hospital L3	33%	0%	17%	33%	0%	17%	0%	3
Hospital L2	50%	0%	25%	100%	0%	38%	0%	2
Hospital L1	0%	0%	0%	0%	0%	0%	0%	2
Health centre L1	0%	0%	0%	0%	0%	0%	0%	1
Health centre L2	0%	0%	0%	50%	0%	13%	0%	2
Health centre L3	0%	0%	0%	50%	0%	13%	0%	2
Health centre L4	0%	0%	0%	0%	0%	0%	0%	1
Managing authority								
Ministry of Health	17%	0%	8%	50%	0%	17%	0%	6
Governance Board	25%	0%	13%	38%	0%	16%	0%	8

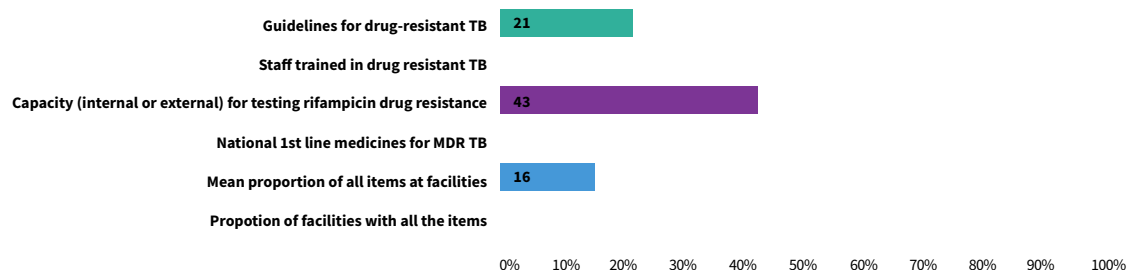


Fig. 76. Drug-resistant tuberculosis service readiness: proportion of facilities with items

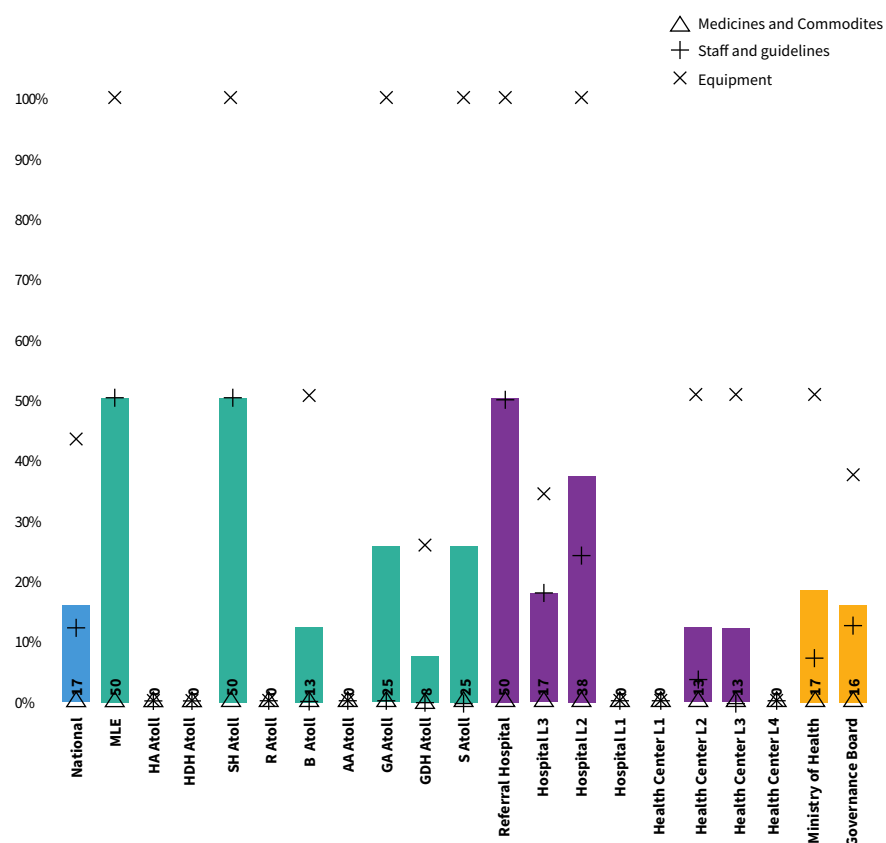


Fig. 77. Drug-resistant tuberculosis service readiness: mean proportion of all items at facilities by atoll and facility type

3.2.2.4. Tuberculosis auxiliary indicators – medicines available (facilities stocking TB medicines in bulk)

Table 64. (3.2.2.4) Percentage of facilities that bulk-stock TB medicines with medicines available by atoll and facility type

	All first-line TB medicines for adults	National first-line MDR treatment regimen	Isoniazid (INH)	Rifampicin	Ethambutol	Pyrazinamide	Isoniazid + rifampicin + pyrazinamide + ethambutol (4FDC)	Isoniazid (INH) (paediatric)	Rifampicin (paediatric)	Pyrazinamide (paediatric)	Ethambutol (paediatric)	n
National	89%	6%	50%	50%	56%	50%	83%	17%	17%	11%	11%	18
Atoll												
MLE	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
HA Atoll	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	1
HDH Atoll	100%	0%	0%	0%	0%	0%	100%	50%	50%	50%	50%	2
SH Atoll	100%	0%	100%	100%	100%	100%	100%	100%	100%	0%	0%	1
N Atoll	100%	0%	0%	0%	100%	0%	100%	0%	0%	0%	0%	1
R Atoll	50%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	2
LH Atoll	100%	0%	100%	100%	100%	100%	100%	0%	0%	0%	0%	1
AA Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
V Atoll	100%	0%	100%	100%	100%	100%	100%	0%	0%	0%	0%	1
M Atoll	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	1
F Atoll	100%	0%	100%	100%	100%	100%	50%	0%	0%	0%	0%	2
DH Atoll	100%	0%	100%	100%	100%	100%	100%	0%	0%	0%	0%	1
GDH Atoll	100%	0%	100%	100%	100%	100%	100%	0%	0%	0%	0%	1
GN Atoll	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	1
S Atoll	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	1
Facility type												
Referral hospital	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	0%	25%	25%	25%	25%	100%	25%	25%	25%	25%	4
Hospital L2	100%	17%	67%	67%	83%	67%	100%	17%	17%	0%	0%	6
Hospital L1	100%	0%	67%	67%	67%	67%	100%	0%	0%	0%	0%	3
Health centre L1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
Health centre L2	100%	0%	100%	100%	100%	100%	0%	0%	0%	0%	0%	1
Health centre L3	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	1
Managing authority												
Ministry of Health	91%	9%	64%	64%	73%	64%	82%	9%	9%	0%	0%	11
Governance Board	86%	0%	29%	29%	29%	29%	86%	29%	29%	29%	29%	7

3.2.2.5. Tuberculosis auxiliary indicators – stockouts in the past three months (facilities stocking TB medicines in bulk)

Table 65. (3.2.2.5) Percentage of facilities that bulk-stock TB medicines with a stockout by atoll and facility type

	Any first-line TB medicines (adult)	Any medicines in national first-line MDR treatment regimen	Isoniazid (INH)	Rifampicin	Ethambutol	Pyrazinamide	Isoniazid + rifampicin (2FDC)	Isoniazid + ethambutol (2FDC)	Isoniazid + rifampicin + pyrazinamide (3FDC)	Isoniazid + rifampicin + ethambutol (3FDC)	Isoniazid + rifampicin + pyrazinamide + ethambutol (4FDC)	Isoniazid (paediatric)	Rifampicin (paediatric)	Ethambutol (paediatric)	n
National	28%	0%	22%	17%	17%	22%	6%	6%	11%	6%	11%	0%	0%	0%	18
Atoll															
MLE	100%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	1
HA Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
HDH Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
SH Atoll	100%	0%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	1
N Atoll	100%	0%	100%	100%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	1
R Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
LH Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
AA Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
V Atoll	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	1
M Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
F Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
DH Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
GDH Atoll	100%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	1
GN Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
S Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
Facility type															
Referral hospital	100%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	1
Hospital L3	25%	0%	25%	0%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	4
Hospital L2	33%	0%	33%	17%	17%	33%	0%	0%	0%	0%	17%	0%	0%	0%	6
Hospital L1	33%	0%	33%	33%	33%	33%	33%	33%	33%	33%	33%	0%	0%	0%	3
Health centre L1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
Health centre L2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
Health centre L3	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
Managing authority															
Ministry of Health	27%	0%	27%	18%	18%	27%	9%	9%	9%	9%	18%	0%	0%	0%	11
Governance Board	29%	0%	14%	14%	14%	14%	0%	0%	14%	0%	0%	0%	0%	0%	7

3.2.3. HIV – testing and counselling

3.2.3.1. HIV testing service availability

Table 66. (3.2.3.1) Percentage of facilities offering HIV testing service by atoll and facility type

	HIV testing and counselling services	HIV testing and counselling services for minor adolescents	n
National	56%	35%	188
Atoll			
MLE	80%	80%	5
HA Atoll	64%	64%	14
HDH Atoll	54%	15%	13
SH Atoll	64%	57%	14
N Atoll	62%	23%	13
R Atoll	60%	33%	15
B Atoll	46%	15%	13
LH Atoll	75%	75%	4
K Atoll	33%	11%	9
AA Atoll	38%	38%	8
ADH Atoll	40%	0%	10
V Atoll	60%	60%	5
M Atoll	38%	25%	8
F Atoll	80%	80%	5
DH Atoll	50%	0%	6
TH Atoll	54%	15%	13
L Atoll	60%	60%	10
GA Atoll	44%	11%	9
GDH Atoll	67%	33%	9
GN Atoll	100%	100%	1
S Atoll	100%	100%	4
Facility type			
Referral hospital	100%	100%	1
Hospital L3	100%	83%	6
Hospital L2	100%	56%	9
Hospital L1	86%	71%	7
Health centre L1	19%	11%	57
Health centre L2	49%	29%	45
Health centre L3	86%	49%	49
Health centre L4	62%	46%	13
Other	100%	100%	1

HIV counselling and testing are available at more than half of the facilities (56%) and at 35% of the facilities for minor adolescents (10–17 years). All atolls have at least one facility providing HIV testing. With regard to HIV testing readiness, looking at the 106 facilities providing HIV counselling and testing, only 8% of the staff and guidelines items are available at the facilities; 15% of the facilities have the guidelines; and none of the facilities has had staff trained in the past two years in HIV counselling and testing. While 92% of the facilities have the diagnostic capacity, 84% have auditory and visual privacy, and 46% have condoms at service site. Overall, 47% of the items are at the facilities, with the hospitals having over 50% of the items; none of the facilities has all items for readiness for HIV counselling and testing.

3.2.3.2. HIV testing service readiness

Table 67. (3.2.3.2) Percentage of facilities with HIV-testing service readiness items by atoll and facility type

	Staff and guidelines			Equipment	Diagnostics	Medicines and commodities			
	Guidelines on HIV counselling and testing	Staff trained in HIV counselling and testing	Mean proportion of staff and guideline items at facilities	Visual and auditory privacy	HIV diagnostic capacity	Condoms in service site	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	15%	0%	8%	84%	92%	46%	47%	0%	106
Atoll									
MLE	50%	0%	25%	75%	75%	50%	50%	0%	4
HA Atoll	0%	0%	0%	100%	100%	0%	40%	0%	9
HDH Atoll	29%	0%	14%	57%	100%	57%	49%	8%	7
SH Atoll	33%	0%	17%	100%	89%	11%	47%	0%	9
N Atoll	0%	0%	0%	63%	63%	63%	38%	0%	8
R Atoll	11%	0%	6%	89%	100%	89%	58%	0%	9
B Atoll	17%	0%	8%	83%	100%	100%	60%	0%	6
LH Atoll	33%	0%	17%	100%	100%	33%	53%	0%	3
K Atoll	33%	0%	17%	100%	100%	33%	53%	0%	3
AA Atoll	0%	0%	0%	67%	100%	100%	53%	0%	3
ADH Atoll	0%	0%	0%	75%	100%	75%	50%	0%	4
V Atoll	0%	0%	0%	67%	33%	33%	27%	0%	3
M Atoll	0%	0%	0%	67%	67%	100%	47%	0%	3
F Atoll	25%	0%	13%	100%	100%	25%	50%	0%	4
DH Atoll	33%	0%	17%	100%	100%	0%	47%	0%	3
TH Atoll	14%	0%	7%	100%	100%	57%	54%	0%	7
L Atoll	0%	0%	0%	50%	100%	0%	30%	0%	6
GA Atoll	0%	0%	0%	100%	100%	0%	40%	0%	4
GDH Atoll	17%	0%	8%	83%	83%	67%	50%	0%	6
GN Atoll	100%	0%	50%	100%	100%	100%	80%	0%	1
S Atoll	0%	0%	0%	100%	100%	25%	45%	0%	4
Facility type									
Referral hospital	100%	0%	50%	100%	100%	0%	60%	0%	1
Hospital L3	67%	0%	33%	83%	100%	50%	60%	0%	6
Hospital L2	44%	0%	22%	100%	100%	44%	58%	0%	9
Hospital L1	0%	0%	0%	83%	100%	83%	53%	0%	6
Health centre L1	9%	0%	5%	73%	55%	18%	31%	0%	11
Health centre L2	5%	0%	2%	82%	91%	50%	45%	0%	22
Health centre L3	10%	0%	5%	81%	98%	48%	47%	0%	42
Health centre L4	13%	0%	6%	100%	100%	50%	53%	0%	8
Other	0%	0%	0%	100%	0%	0%	20%	0%	1

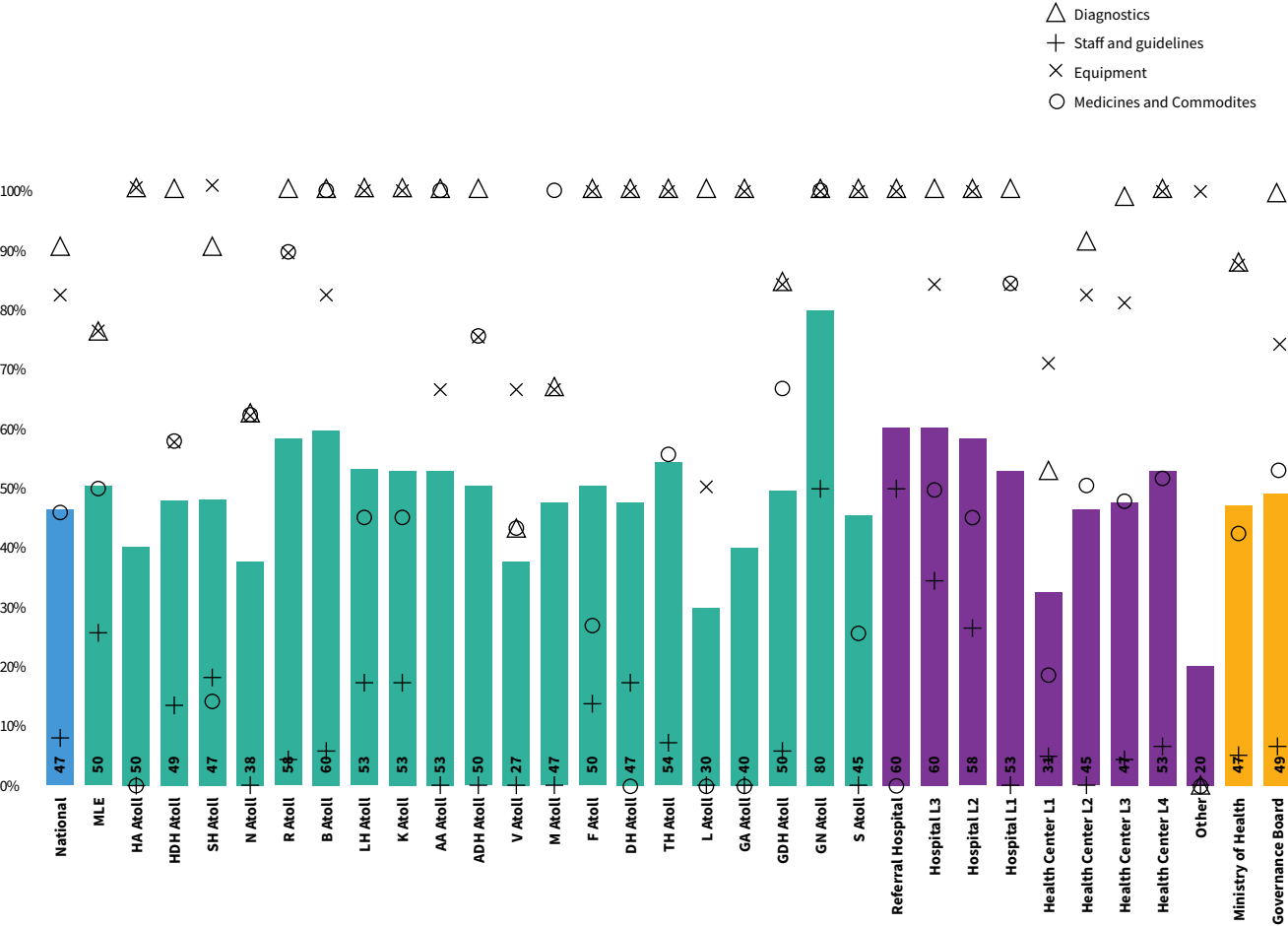


Fig. 78. HIV testing service readiness: mean proportion of all items at facilities by atoll and facility type

3.2.4. HIV – antiretroviral therapy (ART)

3.2.4.1. Antiretroviral therapy service availability

Table 68. (3.2.4.1) Percentage of facilities offering antiretroviral therapy by atoll and facility type

	Any ART services for lifelong treatment	ART services for adolescents	ART prescription	ART clinical treatment follow-up	Routine ART adherence counselling	Follow-up for adherence and/or medicine supply services for ART	n
National	1%	1%	1%	1%	1%	1%	188
Atoll							
MLE	20%	20%	20%	20%	20%	20%	5
HA Atoll	0%	0%	0%	0%	0%	0%	14
HDH Atoll	0%	0%	0%	0%	0%	0%	13
SH Atoll	0%	0%	0%	0%	0%	0%	14
N Atoll	0%	0%	0%	0%	0%	0%	13
R Atoll	0%	0%	0%	0%	0%	0%	15
B Atoll	0%	0%	0%	0%	0%	0%	13
LH Atoll	0%	0%	0%	0%	0%	0%	4
K Atoll	0%	0%	0%	0%	0%	0%	9
AA Atoll	0%	0%	0%	0%	0%	0%	8
ADH Atoll	0%	0%	0%	0%	0%	0%	10
V Atoll	0%	0%	0%	0%	0%	0%	5
M Atoll	0%	0%	0%	0%	0%	0%	8
F Atoll	0%	0%	0%	0%	0%	0%	5
DH Atoll	0%	0%	0%	0%	0%	0%	6
TH Atoll	0%	0%	0%	0%	0%	0%	13
L Atoll	0%	0%	0%	0%	0%	0%	10
GA Atoll	0%	0%	0%	0%	0%	0%	9
GDH Atoll	0%	0%	0%	0%	0%	0%	9
GN Atoll	0%	0%	0%	0%	0%	0%	1
S Atoll	0%	0%	0%	0%	0%	0%	4
Facility type							
Referral hospital	100%	100%	100%	100%	100%	100%	1
Hospital L3	0%	0%	0%	0%	0%	0%	6
Hospital L2	0%	0%	0%	0%	0%	0%	9
Hospital L1	0%	0%	0%	0%	0%	0%	7
Health centre L1	0%	0%	0%	0%	0%	0%	57
Health centre L2	0%	0%	0%	0%	0%	0%	45
Health centre L3	0%	0%	0%	0%	0%	0%	49
Health centre L4	0%	0%	0%	0%	0%	0%	13
Other	0%	0%	0%	0%	0%	0%	1

ART services are provided at the national referral hospital, accounting for only 1% of the health facilities. This finding is consistent with the National HIV Programme policies, as ART is provided through the National Programme and managed only at the national referral hospital. The readiness indicators show that the facility has guidelines and diagnostic items but did not have staff trained in the past two years. ART is not available at any of the facilities in the atolls; thus, readiness at the facility for all items is 71% (see 3.2.4.2).

3.2.4.2. Antiretroviral therapy service readiness

Table 69. (3.2.4.2) Percentage of facilities with antiretroviral therapy service readiness items by atoll and facility type

	Staff and guidelines			Diagnostics				Medicines and commodities				
	Guidelines for ART	Staff trained in any topic related to ART	Mean proportion of staff and guideline items at facilities	Full blood count	CD4 or viral load	Renal function test	Liver function test	Mean proportion of diagnostic items at facilities	First-line antiretroviral regimen	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	100%	0%	50%	100%	100%	100%	100%	100%	0%	71%	0%	1
Atoll												
MLE	100%	0%	0%	100%	100%	100%	100%	100%	0%	71%	0%	1
Facility type												
Referral hospital	100%	0%	0%	100%	100%	100%	100%	100%	0%	71%	0%	1
Managing authority												
Governance Board	100%	0%	0%	100%	100%	100%	100%	100%	0%	71%	0%	1

3.2.5. HIV – preventing mother-to-child transmission (PMTCT)

3.2.5.1. PMTCT service availability

Table 70. (3.2.5.1) Percentage of facilities offering HIV – preventing mother-to-child transmission (PMTCT) service by atoll and facility type

	Any PMTCT services	HIV testing for all pregnant women attending ANC	HIV testing at delivery if status not known	Repeat testing for HIV-negative pregnant women	HIV testing for infants of HIV+ women (early infant diagnosis)	HIV testing for partners	Infant and young child feeding counselling for infants of HIV+ women	Family planning counselling to HIV+ women	n
National	38%	51%	13%	5%	1%	0%	1%	1%	188
MLE	60%	80%	40%	40%	40%	0%	40%	40%	5
HA Atoll	43%	50%	29%	0%	0%	0%	0%	0%	14
HDH Atoll	54%	46%	15%	15%	0%	0%	0%	0%	13
SH Atoll	14%	71%	7%	7%	0%	0%	0%	0%	14
N Atoll	31%	38%	0%	15%	0%	0%	0%	0%	13
R Atoll	40%	60%	0%	0%	0%	0%	0%	0%	15
B Atoll	38%	46%	8%	8%	0%	0%	0%	0%	13
LH Atoll	75%	75%	25%	0%	0%	0%	0%	0%	4
K Atoll	56%	67%	11%	0%	0%	0%	0%	0%	9
AA Atoll	38%	38%	25%	13%	0%	0%	0%	0%	8
ADH Atoll	20%	40%	10%	0%	0%	0%	0%	0%	10
V Atoll	60%	60%	0%	0%	0%	0%	0%	0%	5
M Atoll	25%	50%	13%	0%	0%	0%	0%	0%	8
F Atoll	60%	80%	20%	0%	0%	0%	0%	0%	5
DH Atoll	17%	67%	17%	0%	0%	0%	0%	0%	6
TH Atoll	38%	54%	8%	0%	0%	0%	0%	0%	13
L Atoll	20%	20%	0%	0%	0%	0%	0%	0%	10
GA Atoll	11%	11%	11%	0%	0%	0%	0%	0%	9
GDH Atoll	56%	44%	33%	0%	0%	0%	0%	0%	9
GN Atoll	100%	100%	100%	0%	0%	0%	0%	0%	1
S Atoll	50%	50%	25%	0%	0%	0%	0%	0%	4
Referral hospital	100%	100%	100%	100%	100%	0%	100%	100%	1
Hospital L3	100%	100%	67%	33%	17%	0%	17%	17%	6
Hospital L2	100%	100%	78%	11%	0%	0%	0%	0%	9
Hospital L1	100%	100%	57%	29%	0%	0%	0%	0%	7
Health centre L1	5%	16%	0%	0%	0%	0%	0%	0%	57
Health centre L2	31%	42%	11%	2%	0%	0%	0%	0%	45
Health centre L3	49%	69%	4%	4%	0%	0%	0%	0%	49
Health centre L4	54%	77%	15%	0%	0%	0%	0%	0%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	1

Prevention of mother-to-child transmission (PMTCT) services are available at 38% of the health facilities and at least one health facility in all atolls; these are also available at all hospitals and at about half of the Level 3 and Level 4 health centres. HIV testing for all pregnant women attending ANC is available at half of the facilities (51%). HIV testing at delivery if status not known is carried out at 13% of the facilities while repeat testing for HIV-negative women is conducted at 5% of the facilities, including the national referral hospital. Early infant diagnosis of HIV testing is carried out only at the national referral hospital and one other hospital, both in Malé. Similarly, infant and young child feeding counselling for infants of HIV+ women and family planning counselling for HIV+ women are conducted only at two facilities that are both in Malé. These findings are consistent with the national guidelines as HIV-positive cases are managed at the central level. It is to be noted that although some testing is not available at island facility level, there is a mechanism for facilitation of referral to national hospital as needed.

As per the findings on the readiness indicator among 71 facilities that indicated any PMTCT service, only 5% of the guideline items are available at the facilities, with no staff trained in the past two years. Overall, 45% of the diagnostic items are available at the facilities and 7% of the medicines and commodities are found at the facilities. Overall, 22% of the items are at the facilities. These findings need to be interpreted with the National HIV Programme management structure, guidelines and protocols.

Percentage of facilities offering any PMTCT services

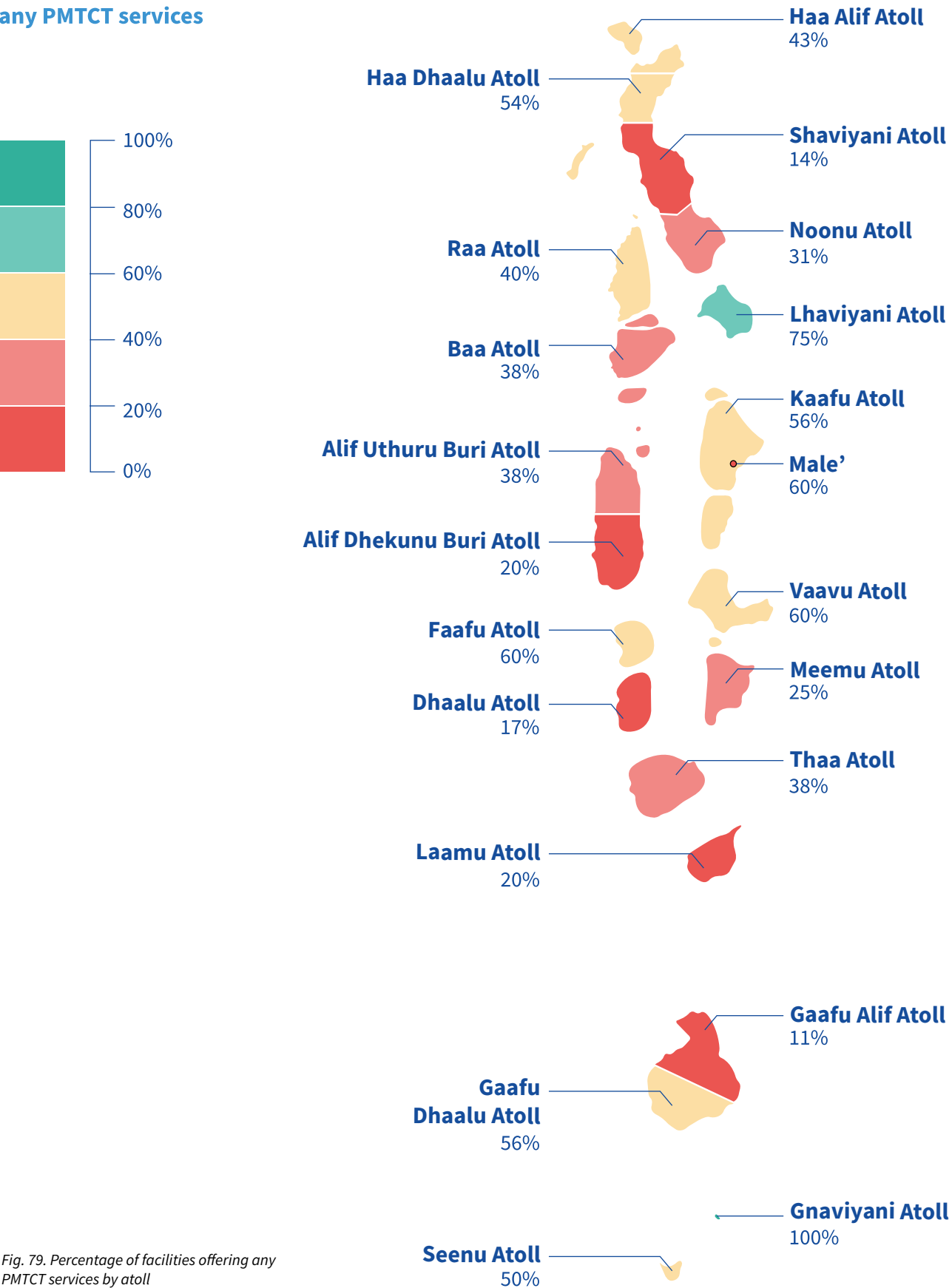


Fig. 79. Percentage of facilities offering any PMTCT services by atoll

3.2.5.2. PMTCT service readiness

Table 71. (3.2.5.2) Percentage of facilities with PMTCT service readiness items by atoll and facility type

	Staff and guidelines				Equipment	Diagnostics	Medicines and commodities								
	Guidelines for PMTCT	Guidelines for infant and young child feeding counselling	Staff trained in PMTCT	Staff trained in infant and young child feeding for PMTCT	Mean proportion of staff and guideline items at facilities	PMTCT area with visual and auditory privacy	HIV diagnostic capacity	Filter paper for dried blood spot	Mean proportion of diagnostic items at facilities	Maternal first-line ARV prophylaxis	Cotrimoxazole syrup or dispersible tablets	Mean proportion of medicines and commodities at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	13%	7%	0%	0%	5%	70%	90%	0%	45%	0%	13%	7%	22%	0%	107
Atoll															
MLE	33%	0%	0%	0%	8%	100%	100%	0%	50%	0%	33%	33%	33%	0%	2
HA Atoll	17%	17%	0%	0%	8%	33%	100%	0%	50%	0%	0%	0%	19%	0%	14
HDH Atoll	29%	0%	0%	0%	7%	43%	71%	0%	36%	0%	0%	0%	16%	0%	12
SH Atoll	100%	50%	0%	0%	38%	100%	100%	0%	50%	0%	0%	0%	39%	0%	13
N Atoll	0%	0%	0%	0%	0%	75%	100%	0%	50%	0%	0%	0%	19%	0%	8
R Atoll	17%	33%	0%	0%	13%	100%	100%	0%	50%	0%	0%	0%	28%	0%	10
B Atoll	20%	0%	0%	0%	5%	80%	100%	0%	50%	0%	60%	30%	29%	0%	4
LH Atoll	0%	0%	0%	0%	0%	100%	100%	0%	50%	0%	33%	17%	26%	0%	2
K Atoll	0%	0%	0%	0%	0%	100%	60%	0%	30%	0%	0%	0%	18%	0%	2
AA Atoll	0%	0%	0%	0%	0%	33%	100%	0%	50%	0%	67%	33%	22%	0%	6
ADH Atoll	0%	0%	0%	0%	0%	50%	100%	0%	50%	0%	0%	0%	17%	0%	8
V Atoll	0%	0%	0%	0%	0%	67%	33%	0%	17%	0%	0%	0%	11%	0%	2
M Atoll	0%	0%	0%	0%	0%	100%	100%	0%	50%	0%	0%	0%	22%	0%	4
F Atoll	0%	0%	0%	0%	0%	33%	100%	0%	50%	0%	33%	17%	19%	0%	4
DH Atoll	0%	0%	0%	0%	0%	100%	100%	0%	50%	0%	0%	0%	22%	0%	1
TH Atoll	0%	20%	0%	0%	5%	80%	100%	0%	50%	0%	20%	10%	24%	0%	2
L Atoll	0%	0%	0%	0%	0%	50%	100%	0%	50%	0%	0%	0%	17%	0%	1
GA Atoll	0%	0%	0%	0%	0%	0%	100%	0%	50%	0%	0%	0%	11%	0%	2
GDH Atoll	0%	0%	0%	0%	0%	80%	80%	0%	40%	0%	0%	0%	18%	0%	5
GN Atoll	100%	0%	0%	0%	25%	100%	100%	0%	50%	0%	0%	0%	33%	0%	1
S Atoll	0%	0%	0%	0%	0%	50%	100%	0%	50%	0%	0%	0%	17%	0%	4
Facility type															
Referral hospital	100%	0%	0%	0%	25%	100%	100%	0%	50%	0%	0%	0%	33%	0%	1
Hospital L3	17%	17%	0%	0%	8%	67%	100%	0%	50%	0%	17%	17%	26%	0%	6
Hospital L2	33%	11%	0%	0%	11%	67%	100%	0%	50%	0%	22%	11%	26%	0%	9
Hospital L1	0%	0%	0%	0%	0%	100%	100%	0%	50%	0%	29%	14%	25%	0%	6
Health centre L1	33%	0%	0%	0%	8%	67%	33%	0%	17%	0%	33%	17%	19%	0%	24
Health centre L2	0%	7%	0%	0%	2%	57%	71%	0%	36%	0%	7%	4%	16%	0%	26
Health centre L3	13%	8%	0%	0%	5%	71%	96%	0%	48%	0%	8%	4%	22%	0%	27
Health centre L4	0%	0%	0%	0%	0%	71%	100%	0%	50%	0%	0%	0%	19%	0%	8

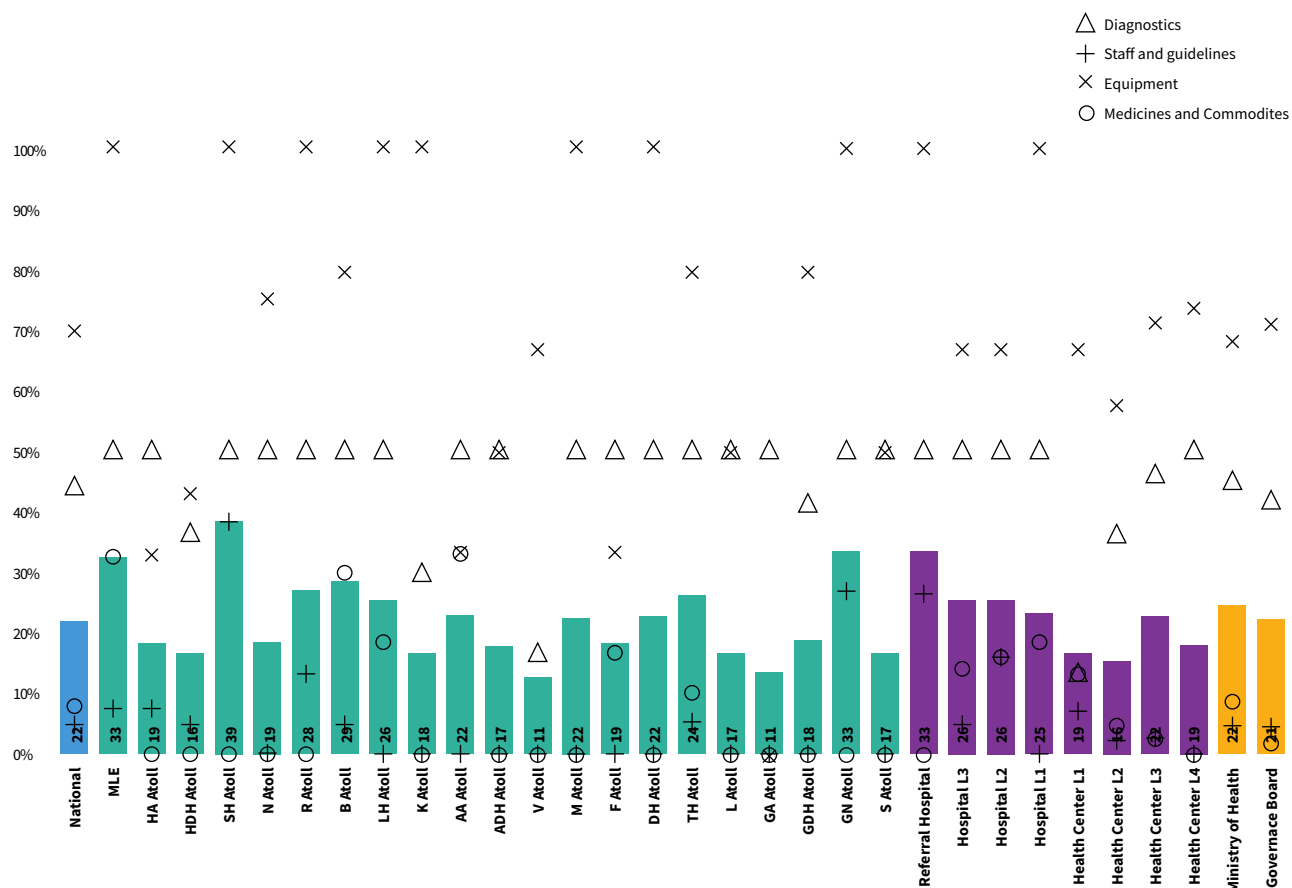


Fig. 80. PMTCT service readiness: mean proportion of all items at facilities by atoll and facility type

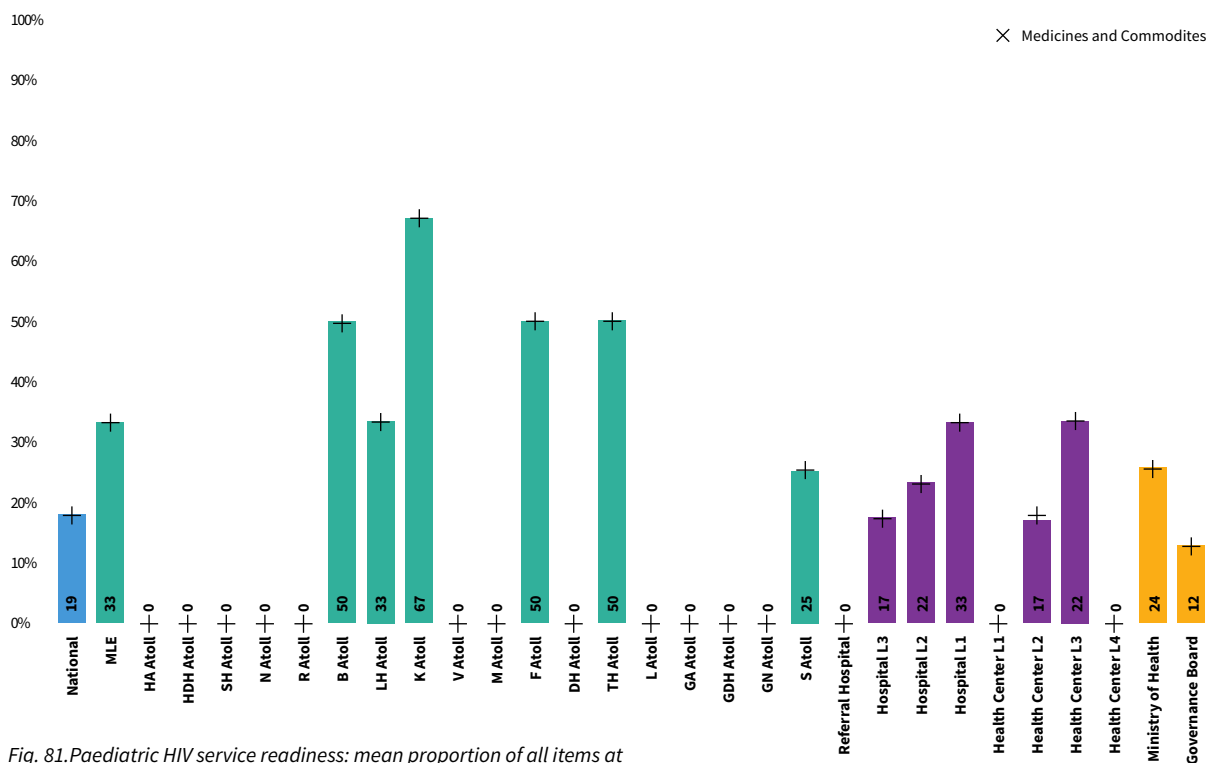


Fig. 81. Paediatric HIV service readiness: mean proportion of all items at facilities by atoll and facility type

Paediatric HIV service
readiness: proportion
of facilities with all items

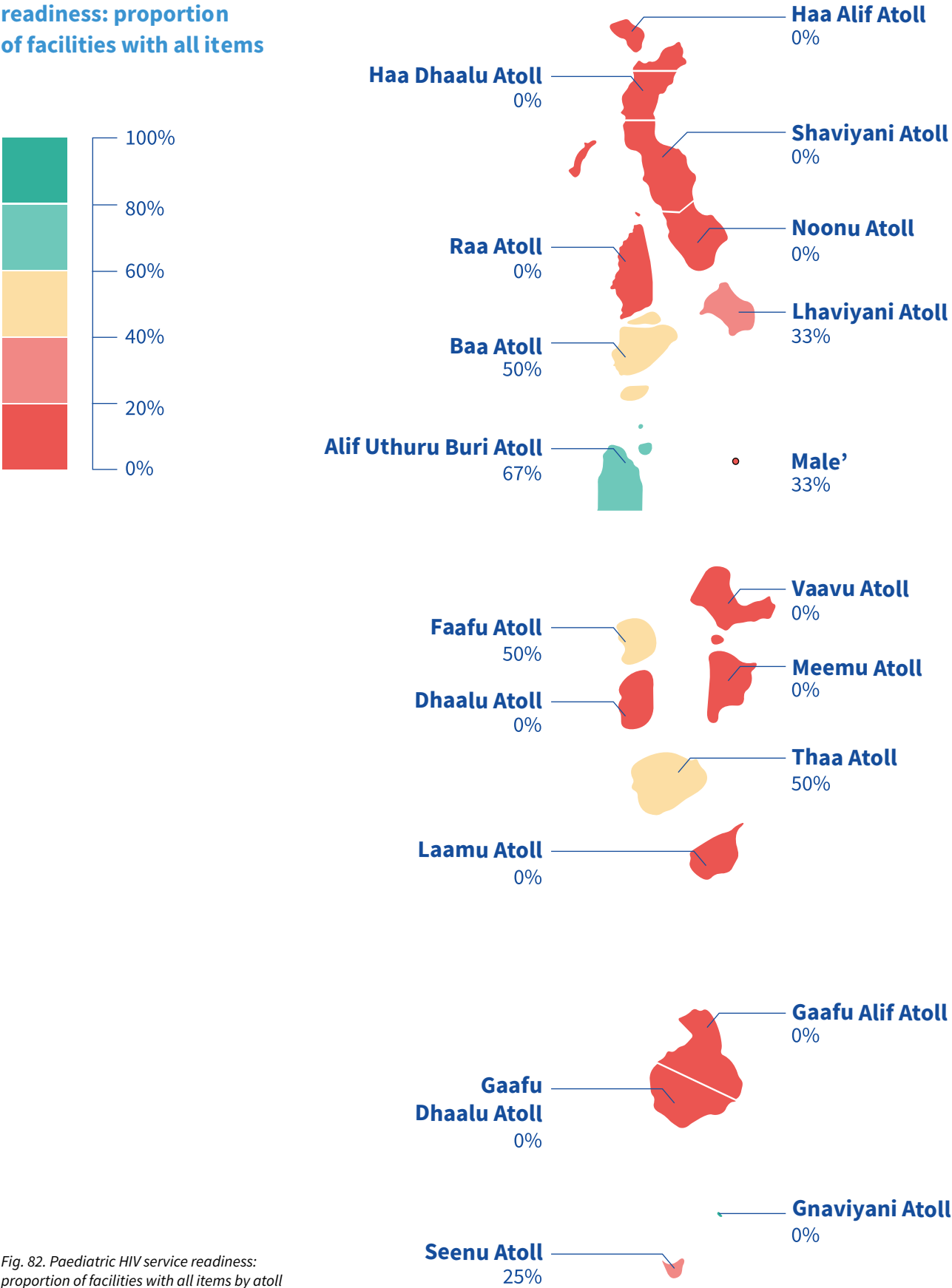


Fig. 82. Paediatric HIV service readiness:
proportion of facilities with all items by atoll

3.2.6. Sexually transmitted infections (STIs)

3.2.6.1. Sexually transmitted infection availability

Table 72. (3.2.6.1) Percentage of facilities offering sexually transmitted infection (STI) service by atoll and facility type

	Any STI services (other than HIV)	STI diagnosis	STI treatment	n
National	47%	44%	39%	188
Atoll				
MLE	40%	40%	40%	5
HA Atoll	71%	64%	71%	14
HDH Atoll	77%	69%	54%	13
SH Atoll	71%	71%	71%	14
N Atoll	38%	23%	15%	13
R Atoll	53%	53%	53%	15
B Atoll	15%	15%	15%	13
LH Atoll	75%	75%	75%	4
K Atoll	33%	33%	33%	9
AA Atoll	38%	38%	38%	8
ADH Atoll	30%	30%	30%	10
V Atoll	20%	40%	20%	5
M Atoll	25%	25%	25%	8
F Atoll	80%	80%	20%	5
DH Atoll	33%	33%	33%	6
TH Atoll	23%	15%	8%	13
L Atoll	40%	30%	20%	10
GA Atoll	22%	22%	11%	9
GDH Atoll	67%	67%	67%	9
GN Atoll	100%	100%	100%	1
S Atoll	100%	100%	100%	4
Facility type				
Referral hospital	100%	100%	100%	1
Hospital L3	100%	100%	100%	6
Hospital L2	100%	100%	100%	9
Hospital L1	71%	86%	57%	7
Health centre L1	16%	12%	12%	57
Health centre L2	44%	38%	38%	45
Health centre L3	63%	61%	47%	49
Health centre L4	54%	54%	54%	13
Other	0%	0%	0%	1

STI services are available at 47% of the health facilities, with availability recorded at 71% of the Level 1 hospitals, all Level 2 and Level 3 hospitals, and the national referral hospital. All atolls have at least one facility providing STI services.

With regard to readiness indicators, guidelines are available at 19% of the facilities and only 1% of the facilities have had staff trained in the past two years, resulting in, on average, 10% of the guideline items being available at the facilities. On average, 42% of the diagnostic items are available at the facilities, with 81% syphilis tests, 23% gram staining and 23% wet mount microscopy. Commodities at the facilities show an average of 62% availability. Overall, 46% of all items are available at the facilities and none of the facilities has all items.

3.2.6.2. Sexually transmitted infection service readiness

Table 73. (3.2.6.2) Percentage of facilities with sexually transmitted infection service(STI) readiness items by atoll and facility type

	Staff and guidelines			Diagnostics			Medicines and commodities									
	Guidelines for STI diagnosis and treatment	Staff trained in STI diagnosis and treatment	Mean proportion of staff and guideline items at facilities	Syphilis test	Gram stain (for gonorrhea)	Wet mount microscopy (for chlamydia or trichomoniasis)	Mean proportion of diagnostic items at facilities	Benzathine penicillin (injection)	Metronidazole cap/tab	Cefixime cap/tab or ceftriaxone injection and azithromycin	Azithromycin	Male condoms	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	19%	1%	10%	81%	23%	23%	42%	0%	85%	85%	86%	55%	62%	46%	0%	88
Atoll																
MLE	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	100%	50%	70%	65%	0%	2
HA Atoll	10%	0%	5%	80%	20%	20%	40%	0%	90%	80%	100%	80%	70%	48%	0%	10
HDH Atoll	20%	0%	10%	70%	10%	10%	30%	0%	100%	100%	90%	60%	70%	46%	0%	10
SH Atoll	50%	0%	25%	80%	10%	10%	33%	0%	90%	90%	90%	80%	70%	50%	0%	10
N Atoll	20%	0%	10%	60%	20%	20%	33%	0%	80%	100%	100%	40%	64%	44%	0%	5
R Atoll	13%	0%	6%	100%	38%	38%	58%	0%	88%	88%	88%	13%	55%	46%	0%	8
B Atoll	0%	0%	0%	100%	50%	50%	67%	0%	50%	50%	50%	50%	40%	40%	0%	2
LH Atoll	67%	0%	33%	67%	0%	0%	22%	0%	67%	67%	67%	67%	53%	40%	0%	3
K Atoll	0%	0%	0%	100%	0%	0%	33%	0%	100%	67%	100%	33%	60%	40%	0%	3
AA Atoll	0%	0%	0%	100%	0%	0%	33%	0%	100%	100%	100%	67%	73%	47%	0%	3
ADH Atoll	33%	33%	33%	67%	67%	67%	67%	0%	100%	100%	100%	67%	73%	63%	0%	3
V Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
M Atoll	0%	0%	0%	100%	0%	0%	33%	0%	100%	100%	100%	0%	60%	40%	0%	2
F Atoll	25%	0%	13%	75%	0%	0%	25%	0%	25%	50%	0%	0%	15%	18%	0%	4
DH Atoll	0%	0%	0%	100%	50%	50%	67%	0%	100%	100%	100%	0%	60%	50%	0%	2
TH Atoll	0%	0%	0%	100%	33%	33%	56%	0%	33%	33%	33%	67%	33%	33%	0%	3
L Atoll	25%	0%	13%	100%	0%	0%	33%	0%	100%	100%	100%	100%	80%	53%	0%	4
GA Atoll	0%	0%	0%	100%	50%	50%	67%	0%	100%	100%	100%	50%	70%	55%	0%	2
GDH Atoll	17%	0%	8%	83%	33%	33%	50%	0%	83%	100%	100%	100%	77%	55%	0%	6
GN Atoll	100%	0%	50%	100%	100%	100%	100%	0%	100%	100%	100%	100%	80%	80%	0%	1
S Atoll	0%	0%	0%	25%	25%	25%	25%	0%	100%	75%	100%	0%	55%	35%	0%	4
Facility type																
Referral hospital	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	100%	100%	80%	70%	0%	1
Hospital L3	50%	0%	25%	100%	83%	83%	89%	0%	100%	100%	100%	67%	73%	68%	0%	6
Hospital L2	56%	0%	28%	100%	89%	89%	93%	0%	100%	100%	100%	67%	73%	70%	0%	9
Hospital L1	40%	20%	30%	80%	20%	20%	40%	0%	60%	60%	60%	40%	44%	40%	0%	5
Health centre L1	22%	0%	11%	33%	0%	0%	11%	0%	89%	100%	100%	44%	67%	39%	0%	9
Health centre L2	5%	0%	3%	70%	5%	5%	27%	0%	75%	80%	80%	60%	59%	38%	0%	20
Health centre L3	10%	0%	5%	90%	6%	6%	34%	0%	84%	87%	87%	45%	61%	42%	0%	31
Health centre L4	14%	0%	7%	86%	29%	29%	48%	0%	100%	57%	71%	71%	60%	46%	0%	7
Managing authority																
Ministry of Health	22%	2%	12%	81%	20%	20%	41%	0%	80%	80%	81%	56%	59%	44%	0%	54
Governance Board	15%	0%	7%	79%	26%	26%	44%	0%	94%	94%	94%	53%	67%	48%	0%	34

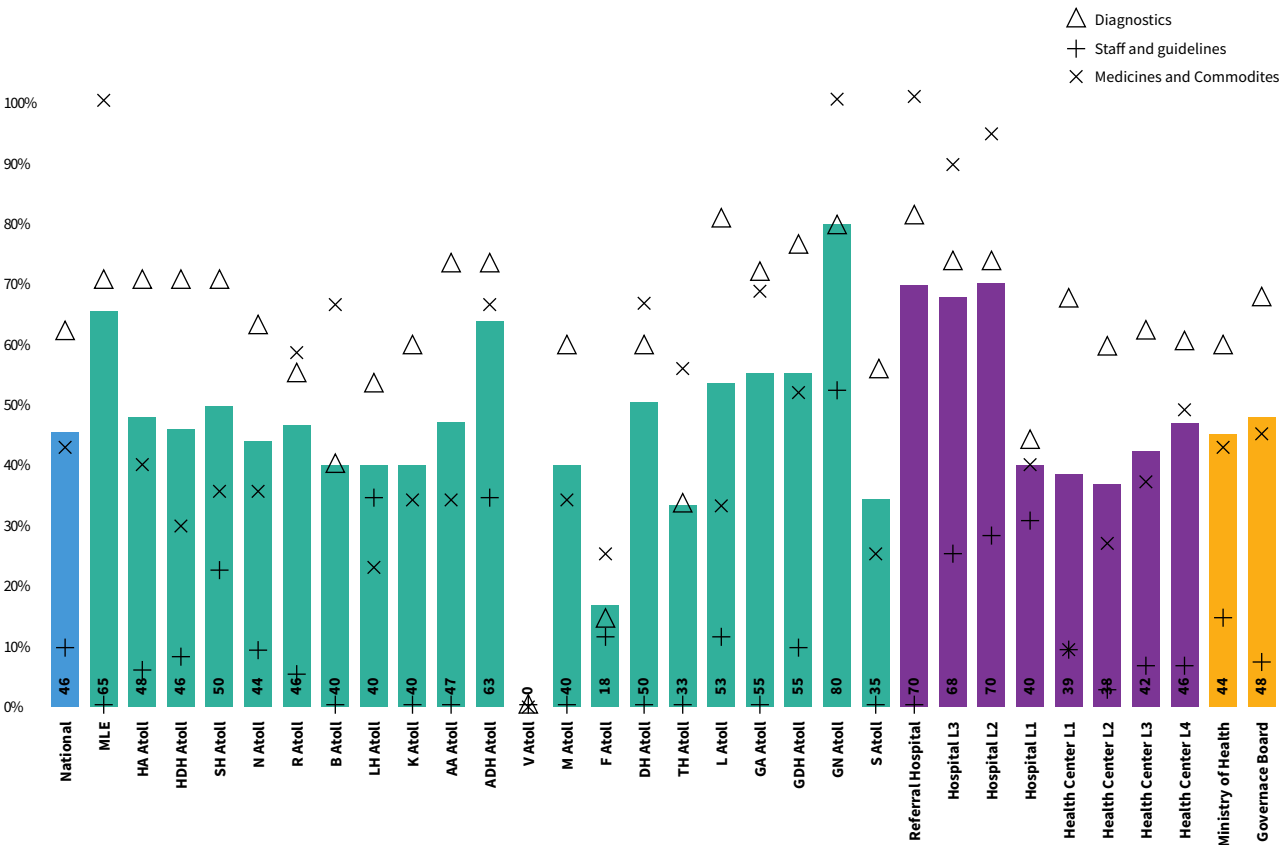


Fig. 83. Sexually transmitted infections (STI) service readiness: mean proportion of all items at facilities by atoll and facility type

Sexually transmitted infection service readiness: Mean proportion of all items at facilities

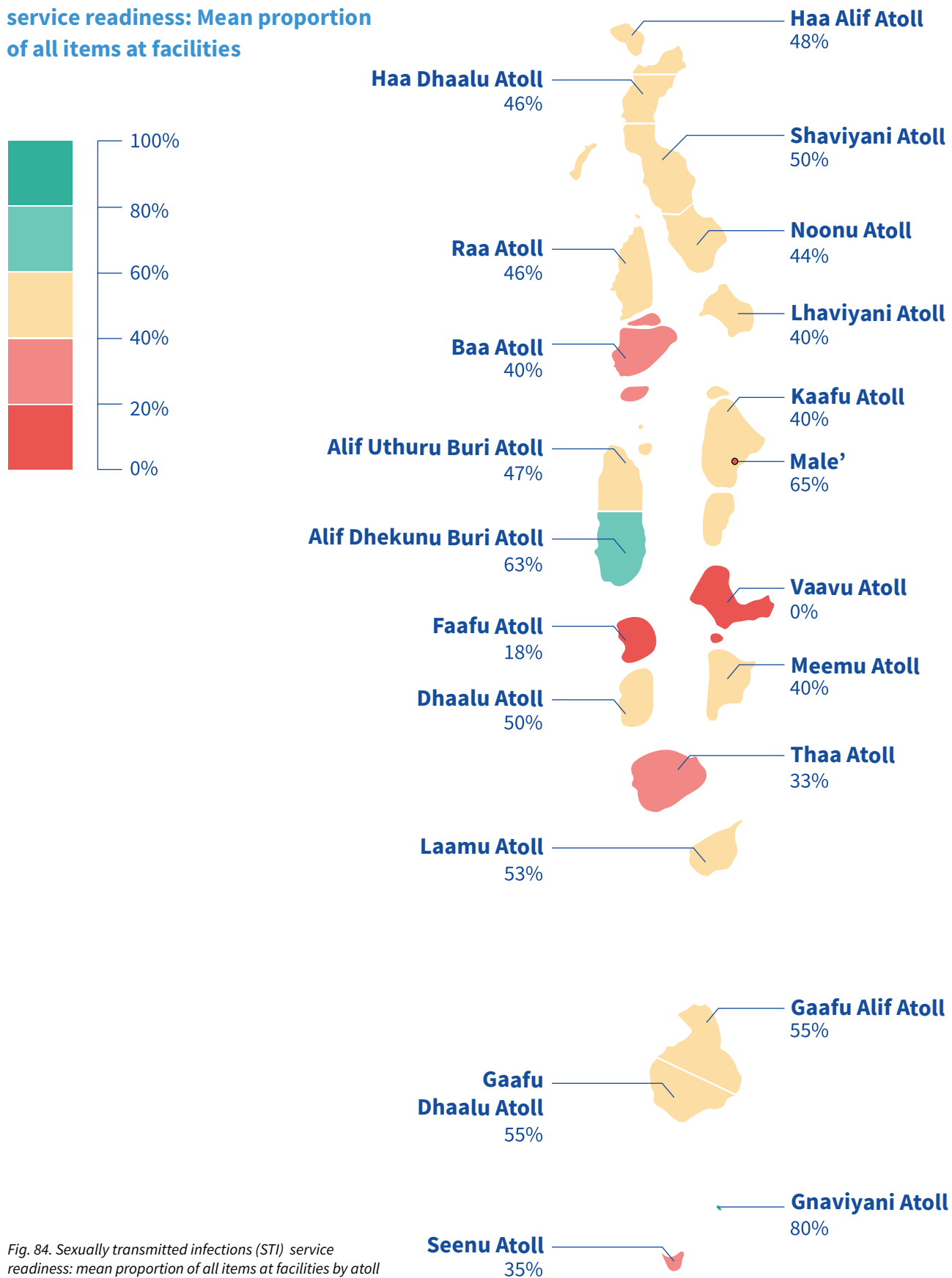


Fig. 84. Sexually transmitted infections (STI) service readiness: mean proportion of all items at facilities by atoll

3.2.7. Neglected tropical diseases

3.2.7.1. Neglected tropical diseases (NTDs) service availability

Table 74. (3.2.7.1) Percentage of facilities offering Neglected tropical diseases (NTDs) service by atoll and facility type

	Any neglected tropical diseases	Dengue	Lymphatic filariasis	Soil-transmitted helminthic diseases	Vector surveillance control for NTDs	Community awareness for NTDs	School health services for NTDs	Leprosy treatment	n
National	60%	60%	19%	49%	57%	53%	56%	22%	188
MLE	80%	80%	40%	80%	40%	40%	40%	40%	5
HA Atoll	71%	71%	29%	64%	71%	71%	71%	43%	14
HDH Atoll	92%	92%	31%	62%	92%	85%	92%	38%	13
SH Atoll	71%	71%	57%	71%	71%	71%	71%	36%	14
N Atoll	92%	92%	31%	54%	92%	85%	85%	77%	13
R Atoll	100%	100%	13%	93%	100%	80%	100%	20%	15
B Atoll	15%	15%	0%	15%	8%	8%	8%	0%	13
LH Atoll	75%	75%	75%	75%	75%	50%	75%	0%	4
K Atoll	67%	67%	0%	67%	67%	67%	67%	22%	9
AA Atoll	50%	50%	0%	38%	38%	38%	38%	13%	8
ADH Atoll	70%	70%	10%	20%	70%	70%	70%	10%	10
V Atoll	80%	80%	20%	60%	80%	80%	80%	20%	5
M Atoll	50%	50%	0%	50%	50%	38%	50%	13%	8
F Atoll	20%	20%	0%	20%	0%	0%	0%	0%	5
DH Atoll	17%	17%	17%	17%	17%	17%	17%	0%	6
TH Atoll	8%	8%	0%	8%	0%	0%	0%	0%	13
L Atoll	10%	10%	0%	10%	10%	10%	10%	0%	10
GA Atoll	44%	44%	0%	11%	44%	44%	44%	11%	9
GDH Atoll	78%	78%	11%	78%	78%	78%	78%	44%	9
GN Atoll	100%	100%	0%	100%	100%	0%	100%	0%	1
S Atoll	100%	100%	100%	100%	100%	100%	100%	0%	4
Referral hospital	100%	100%	100%	100%	0%	0%	0%	100%	1
Hospital L3	100%	100%	67%	100%	83%	83%	83%	0%	6
Hospital L2	100%	100%	44%	100%	89%	78%	89%	11%	9
Hospital L1	100%	100%	14%	100%	57%	57%	57%	14%	7
Health centre L1	47%	47%	16%	37%	47%	40%	46%	39%	57
Health centre L2	58%	58%	7%	42%	58%	56%	58%	36%	45
Health centre L3	57%	57%	16%	43%	57%	53%	57%	2%	49
Health centre L4	69%	69%	38%	62%	69%	69%	69%	8%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	1

More than half (60%) of the facilities provide any services related to NTDs, with 60% providing dengue services. Dengue services are available at all hospitals and at about half of the health centres, ranging from 47% of the Level 1 health centres to 69% of the Level 4 health centres. Filaria services are provided at 19% of the facilities – this is likely to indicate that the disease is eliminated in the country. Services for soil-transmitted helminthic diseases are available at half (49%) of the facilities, including all hospitals and about half of the health centres.

Vector surveillance for NTDs is available at 57% of the facilities and 53% of the facilities provide community awareness for NTDs. School health services are provided at 56% of the facilities. These include the majority of the hospitals at Levels 1, 2 and 3, but not the national referral hospital. Leprosy is treated at 22% of the facilities, including the national referral hospital, 11% of the Level 2 and 14% of the Level 3 hospitals, and a third of the health centres at Levels 1 and 2. This finding relates to the low prevalence of leprosy, with the disease present only at some islands of the country.

With regard to the readiness indicators for NTDs, 26% of the diagnostic items, and 27% of the medicines and commodities are available at the facilities.

Percentage of facilities offering dengue services

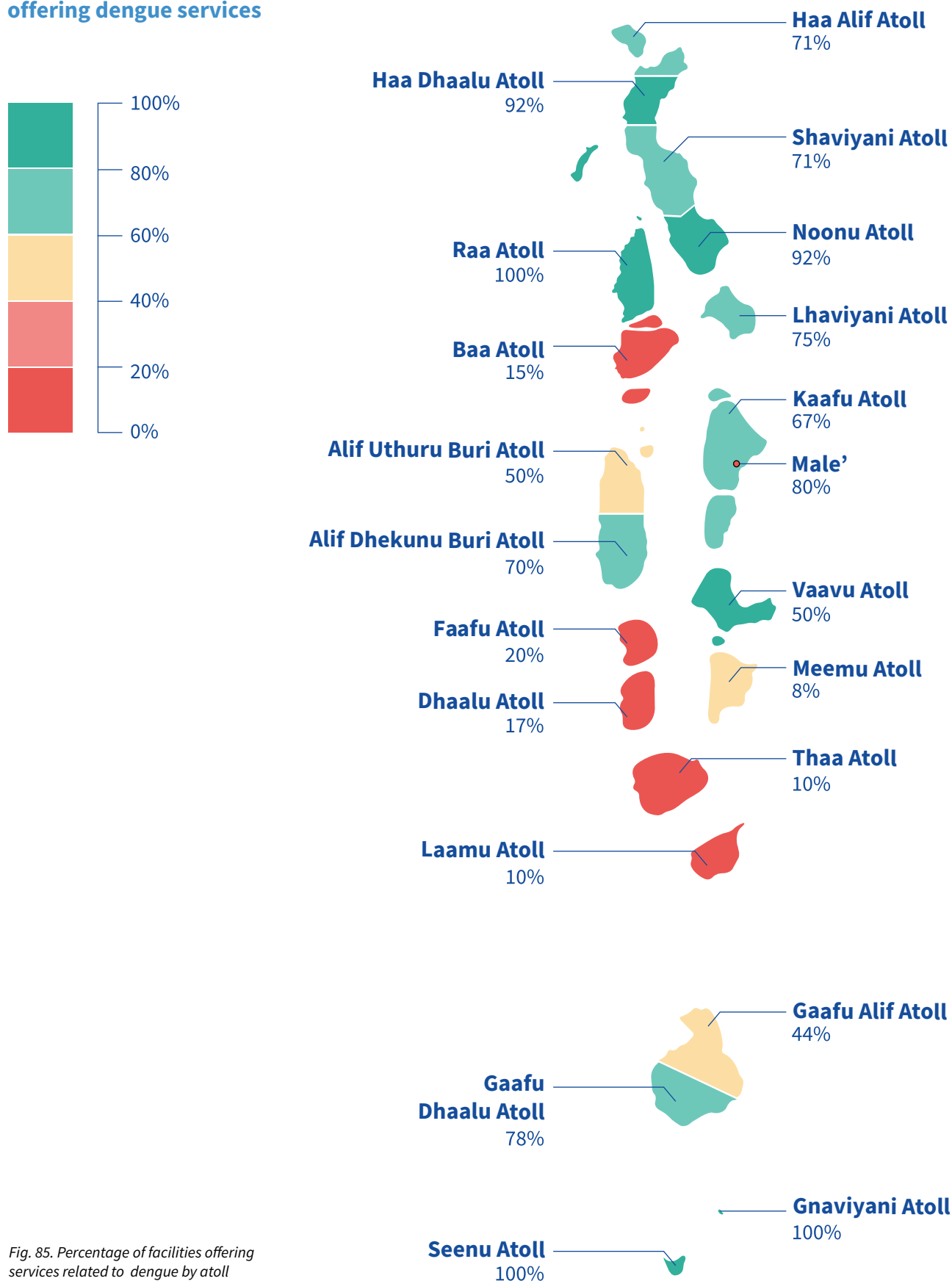


Fig. 85. Percentage of facilities offering services related to dengue by atoll

3.2.7.2. Neglected tropical diseases auxiliary indicators – medicines and diagnostics

Table 75. (3.2.7.2) Percentage of facilities offering NTD services with medicines and diagnostics by atoll and facility type

	Diagnostics							Medicines and commodities					
	Dengue rapid test	Filaria test strip	Kato Katz test kit (for helminths)	Stool or urine microscopy	Urine filtration or centrifuge	Visceral leishmaniasis rapid test	Mean proportion of diagnostic items at facilities	Albendazole or mebendazole	Azithromycin (tab or suspension)	Diethylcarbamazine	Ivermectin	Pentamidine	n
National	62%	0%	0%	44%	51%	0%	26%	81%	90%	10%	4%	2%	113
Atoll													
MLE	75%	0%	0%	50%	75%	0%	33%	100%	75%	50%	0%	0%	4
HA Atoll	80%	0%	0%	80%	80%	0%	40%	60%	90%	0%	10%	0%	10
HDH Atoll	58%	0%	0%	58%	58%	0%	29%	92%	92%	0%	0%	0%	12
SH Atoll	60%	0%	0%	60%	50%	0%	28%	50%	100%	0%	0%	0%	10
N Atoll	42%	0%	0%	25%	25%	0%	15%	92%	92%	17%	0%	0%	12
R Atoll	60%	0%	0%	60%	60%	0%	30%	93%	93%	0%	0%	0%	15
B Atoll	100%	0%	0%	50%	50%	0%	33%	50%	50%	50%	0%	0%	2
LH Atoll	67%	0%	0%	0%	67%	0%	22%	100%	67%	33%	33%	33%	3
K Atoll	33%	0%	0%	33%	33%	0%	17%	67%	100%	0%	0%	0%	6
AA Atoll	75%	0%	0%	0%	50%	0%	21%	100%	100%	50%	25%	25%	4
ADH Atoll	43%	33%	33%	57%	43%	33%	24%	86%	100%	14%	0%	0%	7
V Atoll	25%	0%	0%	0%	0%	0%	4%	50%	25%	0%	0%	0%	4
M Atoll	50%	0%	0%	0%	50%	0%	17%	75%	100%	0%	0%	0%	4
F Atoll	100%	0%	0%	0%	100%	0%	33%	100%	0%	0%	0%	0%	1
DH Atoll	100%	0%	0%	100%	100%	0%	50%	100%	100%	0%	0%	0%	1
TH Atoll	100%	0%	0%	100%	100%	0%	50%	100%	100%	0%	0%	0%	1
L Atoll	100%	0%	0%	0%	100%	0%	33%	100%	100%	0%	0%	0%	1
GA Atoll	75%	0%	0%	50%	50%	0%	29%	100%	100%	0%	0%	0%	4
GDH Atoll	86%	0%	0%	29%	29%	0%	24%	57%	100%	0%	14%	0%	7
GN Atoll	100%	0%	0%	100%	100%	0%	50%	100%	100%	100%	0%	0%	1
S Atoll	75%	0%	0%	25%	50%	0%	25%	100%	100%	25%	25%	0%	4
Facility type													
Referral hospital	100%	0%	0%	100%	100%	0%	50%	100%	100%	100%	0%	0%	1
Hospital L3	100%	0%	0%	83%	100%	0%	47%	100%	100%	33%	17%	0%	6
Hospital L2	100%	0%	0%	89%	100%	0%	48%	89%	100%	44%	11%	11%	9
Hospital L1	100%	0%	0%	14%	71%	0%	31%	86%	71%	14%	14%	14%	7
Health centre L1	11%	0%	0%	7%	7%	0%	4%	85%	89%	0%	0%	0%	27
Health centre L2	50%	0%	0%	42%	38%	0%	22%	73%	92%	4%	0%	0%	26
Health centre L3	86%	0%	0%	61%	64%	0%	35%	75%	96%	4%	0%	0%	28
Health centre L4	78%	0%	0%	56%	78%	0%	35%	78%	67%	11%	22%	0%	9
Managing authority													
Ministry of Health	58%	0%	0%	41%	48%	0%	24%	76%	87%	11%	4%	3%	71
Governance Board	69%	0%	0%	50%	57%	0%	29%	88%	95%	7%	5%	0%	42

3.2.7.2. Neglected tropical diseases auxiliary indicators – medicines and diagnostics (continued)

Table 75. (3.2.7.2) Percentage of facilities offering NTD services with medicines and diagnostics by atoll and facility type

Medicines and commodities

	Praziquantel	Tetracycline eye ointment	Mean proportion of medicines and commodities at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	1%	1%	27%	27%	0%	113
Atoll						
MLE	0%	0%	32%	33%	0%	4
HA Atoll	0%	0%	23%	31%	0%	10
HDH Atoll	0%	0%	26%	28%	0%	12
SH Atoll	0%	0%	21%	25%	0%	10
N Atoll	0%	8%	30%	23%	0%	12
R Atoll	0%	0%	27%	28%	0%	15
B Atoll	0%	0%	21%	27%	0%	2
LH Atoll	0%	0%	38%	31%	0%	3
K Atoll	0%	0%	24%	21%	0%	6
AA Atoll	25%	0%	46%	35%	0%	4
ADH Atoll	0%	0%	29%	26%	0%	7
V Atoll	0%	0%	11%	8%	0%	4
M Atoll	0%	0%	25%	21%	0%	4
F Atoll	0%	0%	14%	23%	0%	1
DH Atoll	0%	0%	29%	38%	0%	1
TH Atoll	0%	0%	29%	38%	0%	1
L Atoll	0%	0%	29%	31%	0%	1
GA Atoll	0%	0%	29%	29%	0%	4
GDH Atoll	0%	0%	24%	24%	0%	7
GN Atoll	0%	0%	43%	46%	0%	1
S Atoll	0%	0%	36%	31%	0%	4
Facility type						
Referral hospital	0%	0%	43%	46%	0%	1
Hospital L3	0%	0%	36%	41%	0%	6
Hospital L2	0%	0%	37%	42%	0%	9
Hospital L1	14%	0%	31%	31%	0%	7
Health centre L1	0%	0%	25%	15%	0%	27
Health centre L2	0%	4%	25%	23%	0%	26
Health centre L3	0%	0%	25%	30%	0%	28
Health centre L4	0%	0%	25%	30%	0%	9
Managing authority						
Ministry of Health	1%	1%	26%	25%	0%	71
Governance Board	0%	0%	28%	29%	0%	42

3.3. Noncommunicable diseases

3.3.1. Cardiovascular disease

3.3.1.1. Cardiovascular disease service availability

Table 76. (3.3.1.1) Percentage of facilities offering cardiovascular disease service by atoll and facility type

	Any services for cardiovascular disease	Diagnosis and treatment of hypertension	Diagnosis and treatment of congestive heart failure	Diagnosis and treatment of acute myocardial infarction	Diagnosis and treatment of stroke	n
National	86%	70%	4%	4%	4%	188
Atoll						
MLE	60%	80%	40%	40%	40%	5
HA Atoll	93%	86%	0%	0%	0%	14
HDH Atoll	92%	92%	8%	8%	8%	13
SH Atoll	79%	79%	0%	0%	0%	14
N Atoll	92%	85%	0%	0%	0%	13
R Atoll	93%	93%	7%	7%	7%	15
B Atoll	92%	62%	0%	0%	0%	13
LH Atoll	75%	75%	0%	0%	0%	4
K Atoll	89%	33%	0%	0%	0%	9
AA Atoll	88%	75%	0%	0%	0%	8
ADH Atoll	90%	90%	0%	0%	0%	10
V Atoll	100%	60%	0%	0%	0%	5
M Atoll	100%	63%	0%	0%	0%	8
F Atoll	100%	80%	0%	0%	0%	5
DH Atoll	100%	100%	0%	0%	0%	6
TH Atoll	46%	8%	0%	0%	0%	13
L Atoll	70%	10%	10%	10%	0%	10
GA Atoll	89%	67%	0%	0%	0%	9
GDH Atoll	78%	78%	11%	11%	11%	9
GN Atoll	100%	100%	0%	0%	0%	1
S Atoll	100%	100%	25%	25%	25%	4
Facility type						
Referral hospital	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	83%	6
Hospital L2	100%	100%	0%	0%	0%	9
Hospital L1	100%	100%	0%	0%	0%	7
Health centre L1	91%	70%	0%	0%	2%	57
Health centre L2	80%	58%	0%	0%	2%	45
Health centre L3	84%	67%	0%	0%	0%	49
Health centre L4	69%	69%	0%	0%	0%	13
Other	0%	0%	0%	0%	0%	1

The majority (86%) of the health facilities provide a service for cardiovascular diseases (any one service) across the atolls, most of the health centres and all hospitals. These include 70% of the facilities providing diagnosis and treatment of hypertension. A small fraction (4%) of the facilities provides diagnosis and treatment of congestive heart failure, acute myocardial infarction and stroke. This is observed as these services are provided not at health centres and Level 1 and Level 2 hospitals but only at Level 3 hospitals and the national referral hospital. Therefore, only five areas (HDH, R, L, GDH, S and MLE) have facilities providing these services.

The readiness indicators show that 97% of the equipment are at the facilities, along with 63% of the medicines and commodities, but only 5% of the facilities have guidelines; none of the facilities has had staff trained in the past two years, resulting in the availability of only 5% of the staff and guidelines at the facilities. Overall, 62% of the items for readiness are available at the facilities, with none of the facilities reporting all items required for readiness (see 3.3.1.2).

Auxiliary indicators show wide variation in the availability of diagnostic items and medicines. The results regarding medicines must be read in the country context, wherein government health facilities do not directly procure and store medicines (see 3.3.1.3).

Percentage of facilities offering any services for cardiovascular diseases

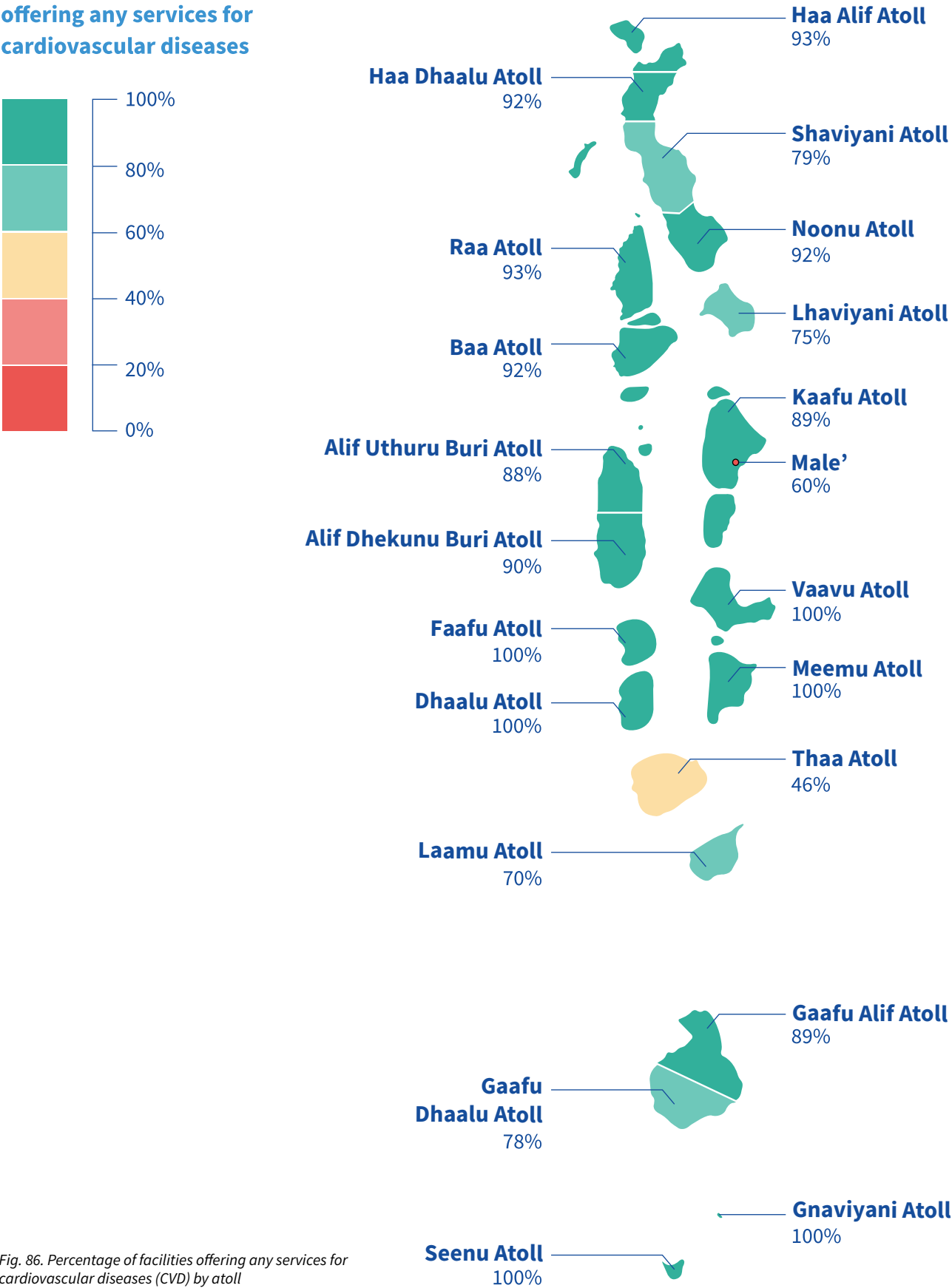


Fig. 86. Percentage of facilities offering any services for cardiovascular diseases (CVD) by atoll

3.3.1.2. Cardiovascular disease (CVD) service readiness

Table 77. (3.3.1.2) Percentage of facilities with cardiovascular disease service readiness items by atoll and facility type

	Staff and guidelines			Equipment				Medicines and commodities					
	Guidelines for diagnosis and treatment of CVD	Staff trained in CVD diagnosis and management	Mean proportion of staff and guideline items at facilities	Blood pressure apparatus	Stethoscope	Adult weighing scale	Mean proportion of equipment items at facilities	Oxygen with delivery apparatus	ACE inhibitor	Aspirin cap/tab	Beta blocker	Calcium channel blocker	n
National	5%	0%	2%	98%	99%	93%	97%	65%	73%	81%	80%	81%	161
Atoll													
MLE	0%	0%	0%	100%	100%	100%	100%	67%	100%	100%	100%	100%	3
HA Atoll	0%	0%	0%	100%	100%	77%	92%	77%	62%	92%	85%	62%	13
HDH Atoll	0%	0%	0%	92%	100%	92%	94%	83%	75%	75%	67%	100%	12
SH Atoll	18%	0%	9%	100%	100%	91%	97%	100%	55%	64%	73%	45%	11
N Atoll	0%	0%	0%	100%	100%	100%	100%	67%	92%	92%	92%	83%	12
R Atoll	0%	0%	0%	100%	100%	100%	100%	93%	79%	79%	71%	93%	14
B Atoll	33%	0%	17%	100%	100%	100%	100%	25%	58%	58%	50%	58%	12
LH Atoll	0%	0%	0%	100%	100%	100%	100%	67%	67%	67%	100%	67%	3
K Atoll	0%	0%	0%	100%	100%	100%	100%	75%	75%	100%	100%	100%	8
AA Atoll	0%	0%	0%	86%	86%	86%	86%	29%	86%	100%	86%	86%	7
ADH Atoll	0%	33%	0%	100%	100%	67%	89%	56%	78%	67%	78%	89%	9
V Atoll	0%	0%	0%	100%	100%	80%	93%	80%	20%	80%	40%	40%	5
M Atoll	0%	0%	0%	100%	100%	100%	100%	75%	75%	100%	100%	100%	8
F Atoll	20%	0%	10%	100%	100%	100%	100%	20%	20%	100%	20%	20%	5
DH Atoll	0%	0%	0%	100%	100%	100%	100%	100%	100%	83%	100%	83%	6
TH Atoll	0%	0%	0%	83%	100%	100%	94%	0%	67%	100%	83%	100%	6
L Atoll	0%	0%	0%	100%	100%	100%	100%	29%	86%	29%	100%	100%	7
GA Atoll	0%	0%	0%	88%	100%	100%	96%	25%	88%	63%	75%	100%	8
GDH Atoll	0%	0%	0%	100%	100%	86%	95%	100%	86%	100%	100%	100%	7
GN Atoll	100%	0%	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	0%	0%	0%	100%	100%	100%	100%	75%	100%	100%	100%	100%	4
Facility type													
Referral hospital	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	0%	0%	0%	100%	100%	100%	100%	100%	100%	83%	100%	100%	6
Hospital L2	22%	0%	11%	100%	100%	100%	100%	78%	100%	78%	100%	100%	9
Hospital L1	14%	0%	7%	100%	100%	100%	100%	57%	86%	100%	86%	86%	7
Health centre L1	6%	0%	3%	96%	98%	92%	96%	62%	58%	71%	69%	75%	52
Health centre L2	0%	0%	0%	100%	100%	81%	94%	72%	72%	78%	72%	81%	36
Health centre L3	5%	0%	2%	98%	100%	100%	99%	56%	76%	88%	88%	83%	41
Health centre L4	0%	0%	0%	89%	100%	100%	96%	56%	100%	100%	89%	78%	9

3.3.1.2. Cardiovascular disease service readiness (continued)

Table 77. (3.3.1.2) Percentage of facilities with cardiovascular disease service readiness items by atoll and facility type

Medicines and commodities

	Hydrochlorothiazide tablet	Statin	Mean proportion of medicines and commodities at facilities f staff and guideline items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	
National	12%	53%	63%	62%	0%	161
Atoll						
MLE	33%	33%	76%	69%	0%	3
HA Atoll	8%	38%	60%	58%	0%	13
HDH Atoll	0%	17%	60%	58%	0%	12
SH Atoll	0%	45%	55%	58%	0%	11
N Atoll	17%	33%	68%	65%	0%	12
R Atoll	0%	86%	71%	67%	0%	14
B Atoll	0%	25%	39%	51%	0%	12
LH Atoll	33%	33%	62%	61%	0%	3
K Atoll	50%	75%	82%	73%	0%	8
AA Atoll	29%	71%	69%	62%	0%	7
ADH Atoll	0%	89%	65%	60%	0%	9
V Atoll	0%	0%	37%	45%	0%	5
M Atoll	13%	50%	73%	68%	0%	8
F Atoll	0%	60%	34%	47%	0%	5
DH Atoll	33%	83%	83%	74%	0%	6
TH Atoll	0%	67%	60%	58%	0%	6
L Atoll	0%	14%	51%	55%	0%	7
GA Atoll	13%	63%	61%	59%	0%	8
GDH Atoll	14%	86%	84%	73%	0%	7
GN Atoll	100%	100%	100%	92%	0%	1
S Atoll	50%	100%	89%	77%	0%	4
Facility type						
Referral hospital	100%	100%	100%	83%	0%	1
Hospital L3	0%	67%	79%	71%	0%	6
Hospital L2	33%	89%	83%	75%	0%	9
Hospital L1	0%	57%	67%	65%	0%	7
Health centre L1	6%	38%	54%	56%	0%	52
Health centre L2	19%	58%	65%	61%	0%	36
Health centre L3	10%	54%	65%	63%	0%	41
Health centre L4	11%	56%	70%	65%	0%	9

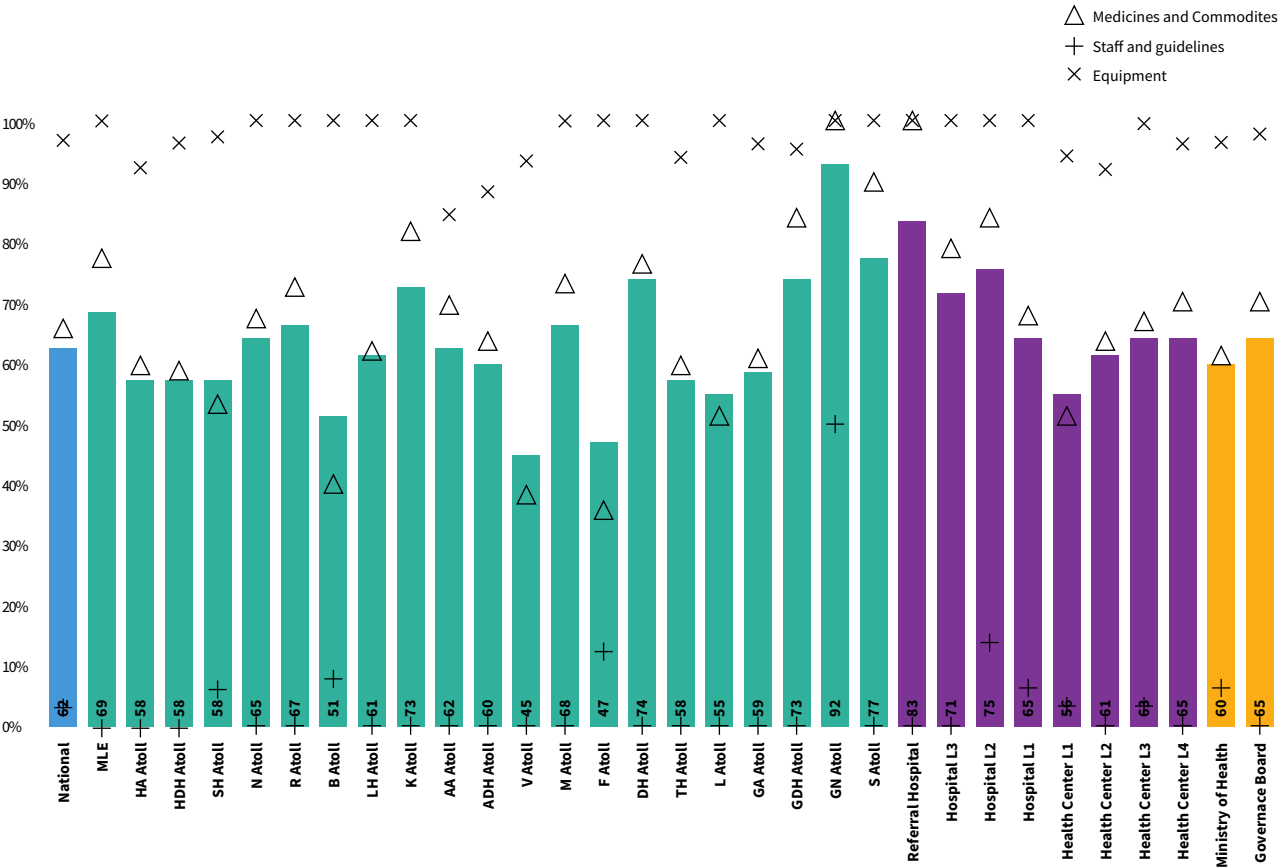


Fig. 87. CVD service readiness: mean proportion of all items at facilities by atoll and facility type

Cardiovascular diseases service readiness: Mean proportion of all items at facilities

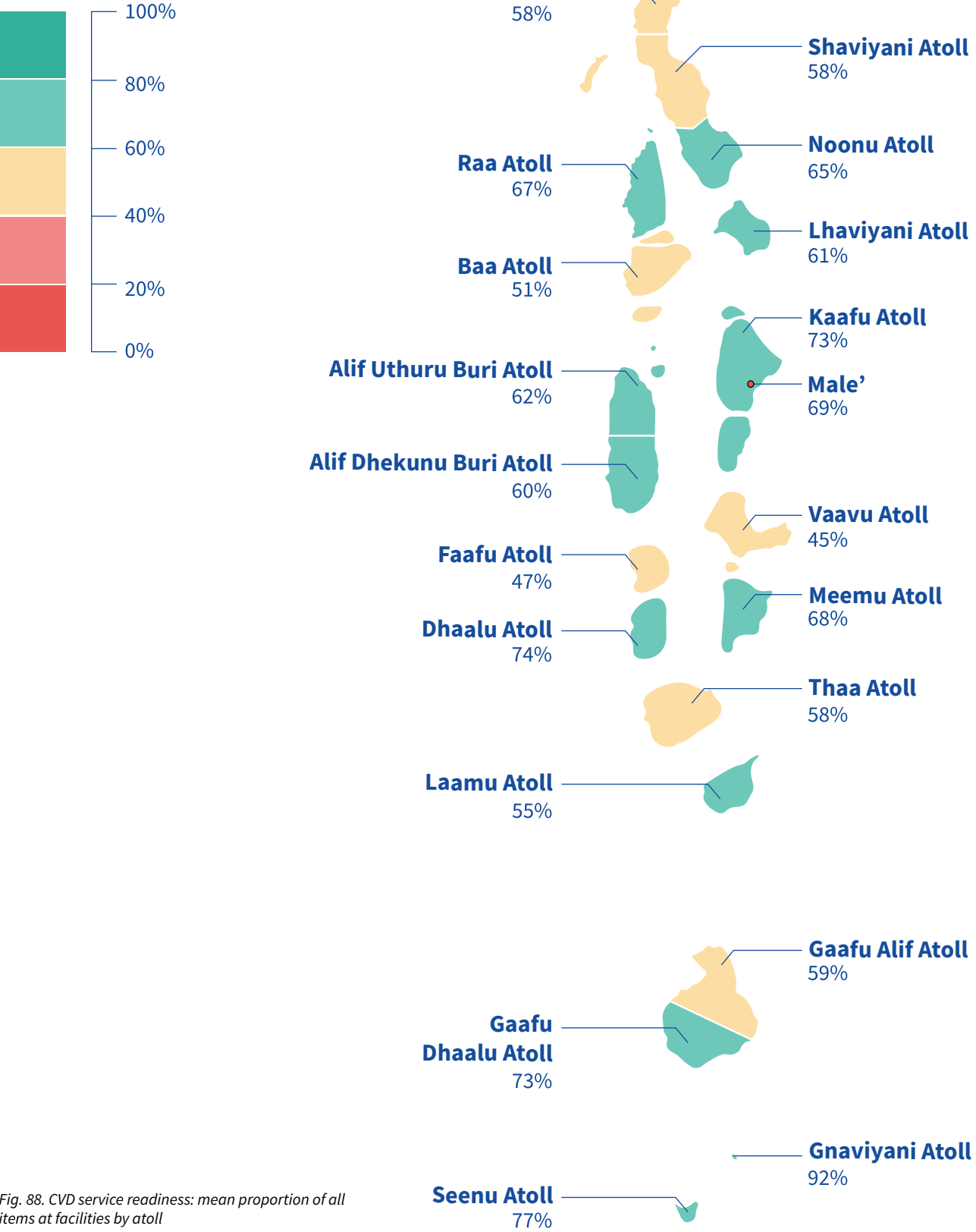


Fig. 88. CVD service readiness: mean proportion of all items at facilities by atoll

3.3.1.3. Cardiovascular disease service readiness – auxiliary indicators

Table 78. (3.3.1.3) Percentage of facilities with cardiovascular disease service readiness auxiliary items by atoll and facility type

	Electrocardiogram (ECG)	Cardiac marker (CK, Troponin) tests	Blood coagulation profile	Blood gas measurement capacity	Glyceryl trinitrate sublingual tablet	Isosorbide dinitrate tab/cap	Streptokinase	Heparin sodium injection	Warfarin tab/cap	Protamine (sulfate) injection	Digoxin injection	Hydralazine tab	Furosemide tab/cap	Spironolactone tab/cap	n
National	96%	28%	7%	4%	9%	43%	9%	17%	34%	5%	34%	2%	65%	17%	161
Atoll															
MLE	100%	100%	67%	33%	0%	100%	67%	67%	100%	0%	100%	0%	100%	67%	3
HA Atoll	100%	54%	0%	0%	0%	62%	0%	23%	46%	8%	8%	0%	77%	8%	13
HDH Atoll	100%	25%	8%	8%	0%	25%	8%	8%	8%	8%	17%	0%	58%	0%	12
SH Atoll	82%	36%	9%	0%	0%	9%	0%	9%	9%	0%	9%	9%	55%	9%	11
N Atoll	100%	17%	0%	0%	17%	50%	0%	0%	50%	0%	33%	0%	58%	17%	12
R Atoll	100%	50%	7%	7%	7%	50%	7%	7%	36%	14%	50%	0%	93%	0%	14
B Atoll	92%	25%	0%	0%	0%	42%	0%	0%	50%	0%	33%	0%	42%	8%	12
LH Atoll	100%	0%	0%	0%	33%	33%	33%	33%	33%	0%	33%	0%	0%	33%	3
K Atoll	100%	13%	0%	0%	13%	88%	0%	0%	25%	0%	13%	0%	88%	38%	8
AA Atoll	100%	14%	0%	0%	29%	57%	14%	57%	57%	29%	57%	14%	71%	29%	7
ADH Atoll	100%	22%	11%	0%	11%	0%	11%	33%	33%	11%	22%	11%	44%	0%	9
V Atoll	100%	0%	0%	0%	20%	20%	20%	40%	0%	0%	60%	0%	20%	0%	5
M Atoll	100%	25%	13%	0%	0%	63%	13%	25%	13%	0%	75%	0%	50%	13%	8
F Atoll	100%	0%	0%	0%	0%	60%	20%	20%	0%	0%	40%	0%	60%	0%	5
DH Atoll	100%	50%	0%	0%	0%	33%	17%	17%	50%	0%	67%	0%	100%	33%	6
TH Atoll	67%	17%	17%	17%	50%	33%	0%	17%	33%	0%	33%	0%	50%	17%	6
L Atoll	100%	0%	0%	0%	14%	29%	0%	0%	14%	0%	0%	0%	86%	14%	7
GA Atoll	100%	25%	25%	13%	0%	38%	0%	0%	13%	0%	25%	0%	75%	38%	8
GDH Atoll	86%	29%	14%	14%	0%	43%	29%	29%	57%	0%	57%	0%	57%	57%	7
GN Atoll	100%	100%	0%	0%	0%	100%	0%	100%	100%	0%	100%	0%	100%	100%	1
S Atoll	100%	25%	25%	0%	25%	75%	25%	50%	75%	25%	25%	25%	75%	50%	4
Facility type															
Referral hospital	100%	100%	100%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	100%	1
Hospital L3	100%	83%	83%	67%	0%	67%	83%	67%	67%	33%	83%	0%	67%	67%	6
Hospital L2	100%	89%	33%	11%	22%	67%	22%	56%	100%	0%	44%	11%	78%	78%	9
Hospital L1	100%	43%	29%	0%	14%	86%	57%	86%	57%	0%	86%	0%	71%	0%	7
Health centre L1	96%	6%	0%	0%	8%	33%	2%	4%	31%	2%	29%	2%	54%	6%	52
Health centre L2	94%	14%	0%	0%	8%	36%	3%	17%	11%	8%	22%	3%	64%	8%	36
Health centre L3	95%	37%	2%	2%	7%	44%	0%	7%	24%	5%	37%	0%	68%	22%	41
Health centre L4	100%	56%	0%	0%	11%	56%	0%	11%	67%	0%	11%	11%	89%	11%	9

3.3.2. Diabetes

3.3.2.1. Diabetes service availability

Table 79. (3.3.2.1) Percentage of facilities offering diabetes service by atoll and facility type

	Any services for diabetes	Diagnosis of diabetes	Treatment for diabetes	Patient follow-up for diabetes	Counselling for diabetes self-management	n
National	90%	72%	82%	90%	78%	188
Atoll						
MLE	60%	80%	80%	80%	60%	5
HA Atoll	100%	93%	100%	100%	100%	14
HDH Atoll	100%	85%	85%	100%	77%	13
SH Atoll	100%	93%	100%	100%	93%	14
N Atoll	85%	85%	85%	85%	77%	13
R Atoll	100%	93%	100%	100%	100%	15
B Atoll	92%	69%	92%	92%	92%	13
LH Atoll	75%	75%	75%	75%	75%	4
K Atoll	100%	44%	89%	100%	78%	9
AA Atoll	88%	88%	88%	88%	88%	8
ADH Atoll	90%	80%	90%	90%	70%	10
V Atoll	100%	60%	100%	100%	100%	5
M Atoll	88%	50%	88%	88%	88%	8
F Atoll	80%	80%	80%	80%	40%	5
DH Atoll	100%	67%	100%	100%	100%	6
TH Atoll	92%	8%	8%	92%	8%	13
L Atoll	30%	20%	30%	30%	30%	10
GA Atoll	89%	78%	78%	89%	89%	9
GDH Atoll	100%	89%	100%	100%	100%	9
GN Atoll	100%	100%	100%	100%	100%	1
S Atoll	100%	100%	75%	100%	100%	4
Facility type						
Referral hospital	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	100%	6
Hospital L2	100%	100%	100%	100%	100%	9
Hospital L1	100%	100%	100%	100%	100%	7
Health centre L1	86%	63%	81%	86%	74%	57
Health centre L2	91%	62%	80%	91%	73%	45
Health centre L3	96%	80%	82%	96%	84%	49
Health centre L4	69%	69%	69%	77%	62%	13
Other	0%	0%	0%	0%	0%	1

The majority (90%) of the facilities provide a diabetes service (any one service) across the hospitals, health centres and atolls, with the lowest proportion found in the Malé area (60%). Follow-up services are provided at 90% of the facilities, with diagnosis provided at 72% of the facilities, treatment at 82% and counselling for self-management at 78% of the facilities. All hospitals and the majority of the health centres also diagnose and treat diabetes.

Readiness indicators show that the majority (90%) of the equipment, 51% of the diagnostic items, and 48% of the medicines and commodities are available at the facilities; 8% of staff and guidelines are available across the facilities. Overall, 52% of the readiness items are available across the facilities and none of the facilities has all items for readiness (see 3.3.2.2).

Auxiliary indicators show that less than half (47%) of the facilities have insulin injections (other than the regular ones), 26% of the facilities have HbA1c; blood gas measurement is available only at 4% of the facilities (see 3.3.2.3).

Percentage of facilities offering any services for diabetes

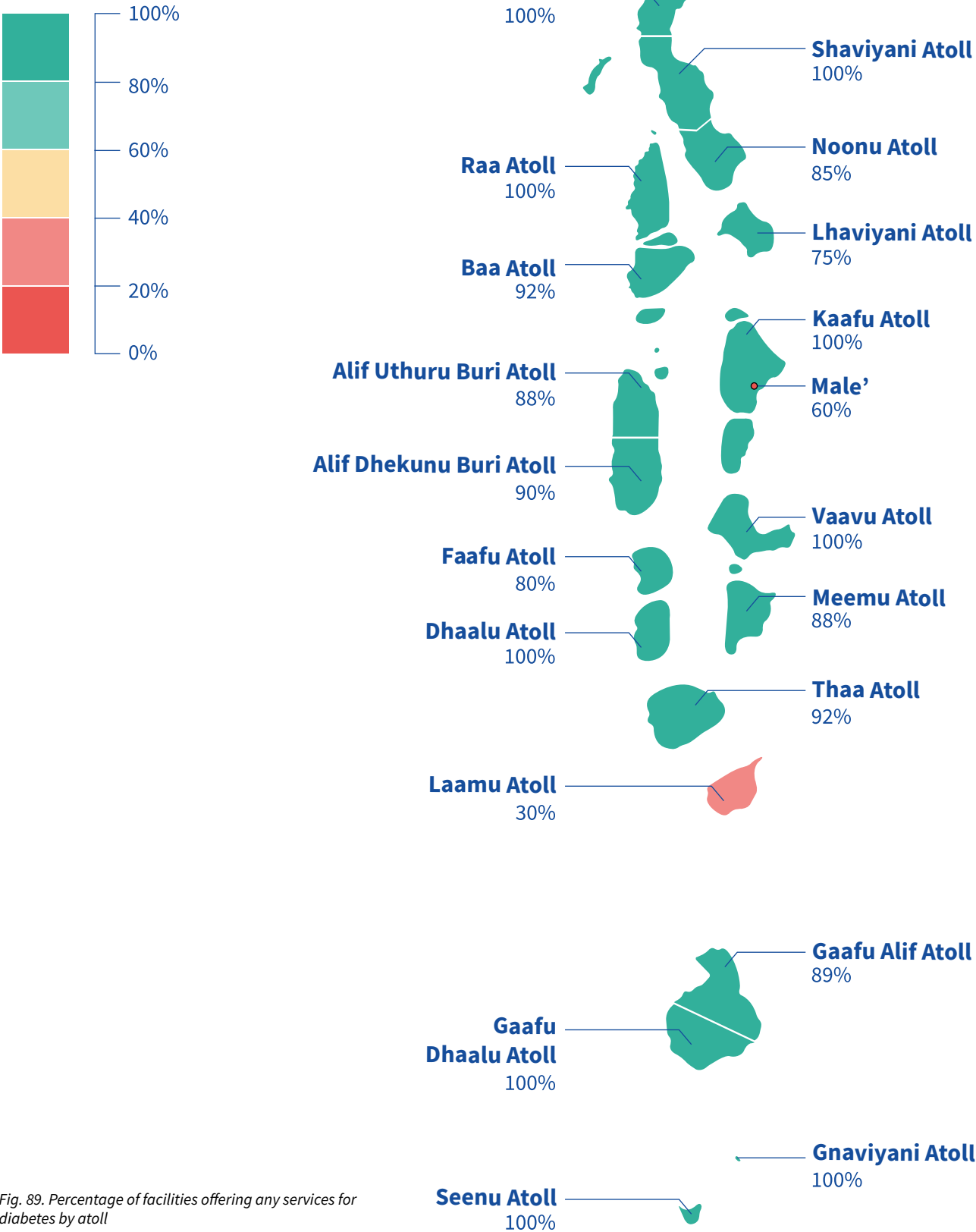


Fig. 89. Percentage of facilities offering any services for diabetes by atoll

3.3.2.2. Diabetes service readiness

Table 80. (3.3.2.2) Percentage of facilities with diabetes service readiness items by atoll and facility type

Staff and guidelines				Equipment				Diagnostics			Medicines and commodities		
	Guidelines for diabetes diagnosis and treatment	Staff trained in diabetes diagnosis and treatment	Mean proportion of staff and guideline items at facilities	Blood pressure apparatus	Adult weighing scale	Measuring tape	Mean proportion of equipment items at facilities	Blood glucose test	Urine dipstick - protein	Urine dipstick - ketones	Mean proportion of diagnostic items at facilities	Metformin tab/cap	n
National	8%	8%	8%	97%	92%	80%	90%	39%	57%	57%	51%	89%	169
Atoll													
MLE	33%	33%	33%	100%	100%	100%	100%	67%	100%	100%	89%	100%	3
HA Atoll	7%	0%	4%	100%	79%	86%	88%	36%	64%	64%	55%	100%	14
HDH Atoll	0%	0%	0%	92%	92%	85%	90%	23%	54%	54%	44%	100%	13
SH Atoll	29%	7%	18%	100%	93%	93%	95%	14%	64%	64%	48%	79%	14
N Atoll	0%	0%	0%	100%	100%	100%	100%	36%	45%	45%	42%	100%	11
R Atoll	0%	0%	0%	100%	100%	93%	98%	13%	60%	60%	44%	100%	15
B Atoll	42%	33%	38%	100%	100%	100%	100%	58%	42%	42%	47%	58%	12
LH Atoll	0%	33%	17%	100%	100%	67%	89%	33%	33%	33%	33%	100%	3
K Atoll	0%	0%	0%	100%	100%	100%	100%	33%	44%	44%	41%	100%	9
AA Atoll	14%	0%	7%	86%	86%	71%	81%	29%	29%	29%	29%	100%	7
ADH Atoll	0%	22%	11%	100%	67%	100%	89%	44%	56%	56%	52%	89%	9
V Atoll	0%	0%	0%	100%	80%	80%	87%	80%	40%	40%	53%	0%	5
M Atoll	0%	14%	7%	100%	100%	86%	95%	86%	57%	57%	67%	100%	7
F Atoll	25%	25%	25%	100%	100%	75%	92%	100%	100%	100%	100%	100%	4
DH Atoll	0%	0%	0%	100%	100%	33%	78%	33%	33%	50%	39%	100%	6
TH Atoll	0%	0%	0%	83%	100%	8%	64%	25%	58%	58%	47%	67%	12
L Atoll	0%	0%	0%	100%	100%	67%	89%	67%	67%	67%	67%	100%	3
GA Atoll	0%	0%	0%	88%	100%	75%	88%	38%	63%	63%	54%	100%	8
GDH Atoll	0%	0%	0%	100%	67%	78%	81%	56%	78%	78%	70%	100%	9
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	0%	25%	13%	100%	100%	50%	83%	25%	75%	75%	58%	100%	4
Facility type													
Referral hospital	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	17%	17%	17%	100%	100%	67%	89%	83%	100%	100%	94%	100%	6
Hospital L2	22%	22%	22%	100%	100%	78%	93%	78%	89%	100%	89%	100%	9
Hospital L1	14%	14%	14%	100%	100%	100%	100%	86%	100%	100%	95%	71%	7
Health centre L1	8%	8%	8%	96%	92%	80%	89%	12%	10%	10%	11%	80%	49
Health centre L2	5%	5%	5%	98%	80%	85%	88%	29%	49%	49%	42%	93%	41
Health centre L3	9%	4%	6%	98%	98%	74%	90%	51%	87%	87%	75%	94%	47
Health centre L4	0%	11%	6%	89%	100%	78%	89%	56%	89%	89%	78%	100%	9
Managing authority													
Ministry of Health	11%	9%	10%	97%	93%	79%	89%	42%	53%	54%	50%	85%	122
Governance Board	2%	4%	3%	98%	91%	83%	91%	32%	66%	66%	55%	100%	47

3.3.2.2. Diabetes service readiness (continued)

Table 80. (3.3.2.2) Percentage of facilities with diabetes service readiness items by atoll and facility type

Medicines and commodities								
	Glibenclamide tab/cap	Gliclazide or other sulphonylurea tab/cap	Insulin regular injectable	Glucose 50% injectable	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	22%	48%	73%	8%	48%	52%	0%	169
Atoll								
MLE	33%	100%	100%	0%	67%	74%	0%	3
HA Atoll	14%	50%	57%	14%	47%	52%	0%	14
HDH Atoll	8%	31%	62%	0%	40%	46%	0%	13
SH Atoll	29%	57%	36%	7%	41%	52%	0%	14
N Atoll	0%	64%	91%	27%	56%	55%	0%	11
R Atoll	0%	33%	100%	0%	47%	51%	0%	15
B Atoll	33%	8%	58%	8%	33%	53%	0%	12
LH Atoll	33%	0%	67%	0%	40%	46%	0%	3
K Atoll	11%	56%	89%	11%	53%	53%	0%	9
AA Atoll	71%	86%	86%	14%	71%	54%	0%	7
ADH Atoll	33%	89%	67%	0%	56%	56%	0%	9
V Atoll	0%	0%	40%	20%	12%	37%	0%	5
M Atoll	0%	43%	71%	0%	43%	55%	0%	7
F Atoll	25%	25%	100%	50%	60%	71%	0%	4
DH Atoll	17%	83%	100%	17%	63%	51%	0%	6
TH Atoll	8%	8%	58%	0%	28%	37%	0%	12
L Atoll	67%	33%	100%	0%	60%	59%	0%	3
GA Atoll	38%	63%	88%	0%	57%	55%	0%	8
GDH Atoll	33%	67%	78%	0%	56%	56%	0%	9
GN Atoll	0%	100%	100%	0%	60%	85%	0%	1
S Atoll	100%	100%	100%	0%	80%	65%	0%	4
Facility type								
Referral hospital	100%	100%	100%	0%	80%	77%	0%	1
Hospital L3	17%	67%	100%	0%	57%	67%	0%	6
Hospital L2	33%	67%	100%	11%	62%	69%	0%	9
Hospital L1	43%	43%	100%	29%	57%	69%	0%	7
Health centre L1	12%	31%	61%	2%	37%	39%	0%	49
Health centre L2	12%	46%	61%	10%	44%	48%	0%	41
Health centre L3	30%	55%	83%	9%	54%	60%	0%	47
Health centre L4	44%	78%	78%	11%	62%	63%	0%	9

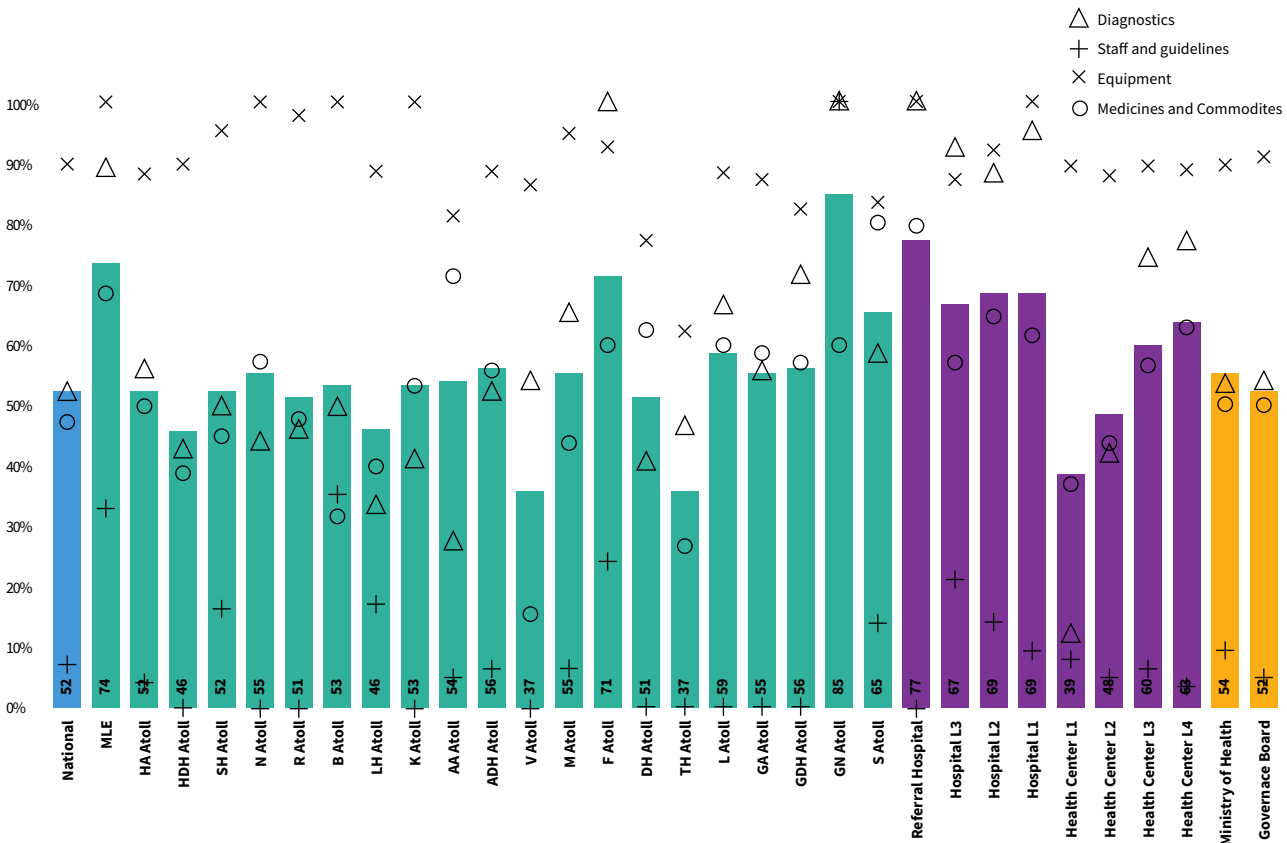


Fig. 90. Diabetes service readiness: mean proportion of all items at facilities by atoll and facility type

Diabetes service readiness:
Mean proportion of all items
at facilities by atoll

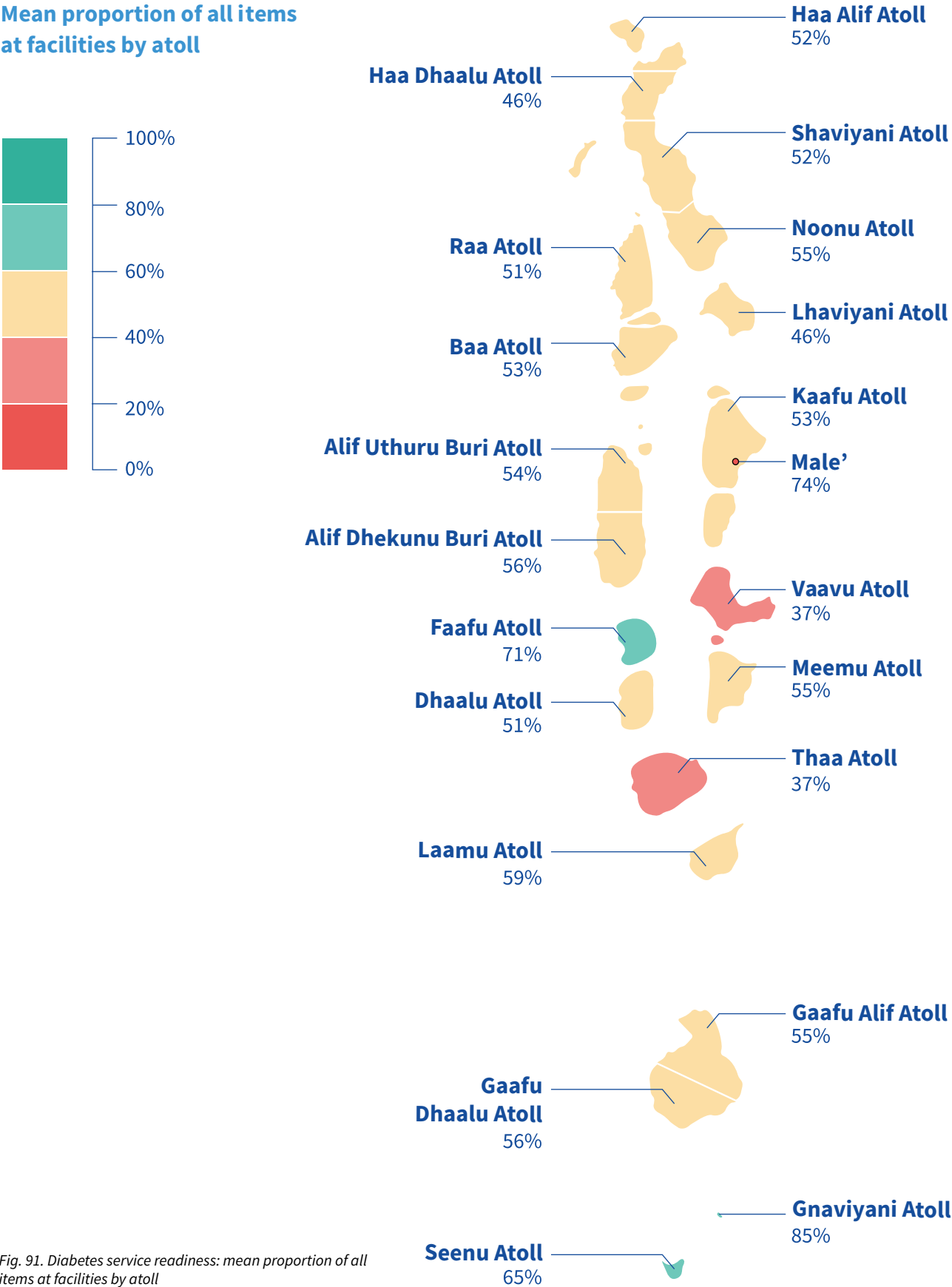


Fig. 91. Diabetes service readiness: mean proportion of all items at facilities by atoll

3.3.2.3. Diabetes service readiness – auxiliary indicators

Table 81. (3.3.2.3) Percentage of facilities with diabetes service readiness auxiliary items by atoll and facility type

	Insulin (other than regular) injection	HbA1C test	Blood gas measurement capacity	n
National	47%	26%	4%	169
Atoll				
MLE	100%	67%	33%	3
HA Atoll	21%	29%	0%	14
HDH Atoll	38%	23%	8%	13
SH Atoll	43%	14%	0%	14
N Atoll	36%	45%	0%	11
R Atoll	27%	33%	7%	15
B Atoll	58%	17%	0%	12
LH Atoll	33%	0%	0%	3
K Atoll	56%	33%	0%	9
AA Atoll	71%	29%	0%	7
ADH Atoll	67%	22%	0%	9
V Atoll	80%	20%	0%	5
M Atoll	43%	29%	0%	7
F Atoll	75%	50%	0%	4
DH Atoll	50%	17%	0%	6
TH Atoll	17%	0%	8%	12
L Atoll	100%	67%	0%	3
GA Atoll	75%	38%	13%	8
GDH Atoll	22%	11%	11%	9
GN Atoll	100%	100%	0%	1
S Atoll	75%	25%	0%	4
Facility type				
Referral hospital	100%	100%	0%	1
Hospital L3	100%	100%	67%	6
Hospital L2	78%	56%	11%	9
Hospital L1	100%	71%	0%	7
Health centre L1	31%	2%	0%	49
Health centre L2	29%	2%	0%	41
Health centre L3	55%	43%	2%	47
Health centre L4	56%	56%	0%	9
Managing authority				
Ministry of Health	48%	25%	2%	122
Governance Board	43%	30%	9%	47

3.3.3. Chronic respiratory disease

3.3.3.1. Chronic respiratory disease service availability

Table 82. (3.3.3.1) Percentage of facilities offering chronic respiratory disease (CRD) service by atoll and facility type

	Any services for chronic respiratory disease	Diagnosis and treatment of asthma	Diagnosis and treatment of COPD	n
National	68%	52%	28%	188
Atoll				
MLE	60%	60%	60%	5
HA Atoll	86%	86%	29%	14
HDH Atoll	92%	77%	15%	13
SH Atoll	64%	57%	43%	14
N Atoll	77%	77%	15%	13
R Atoll	87%	80%	20%	15
B Atoll	62%	23%	8%	13
LH Atoll	50%	0%	25%	4
K Atoll	78%	11%	0%	9
AA Atoll	63%	63%	50%	8
ADH Atoll	50%	40%	10%	10
V Atoll	100%	40%	40%	5
M Atoll	75%	63%	38%	8
F Atoll	80%	40%	40%	5
DH Atoll	100%	67%	67%	6
TH Atoll	8%	8%	8%	13
L Atoll	10%	10%	10%	10
GA Atoll	78%	44%	44%	9
GDH Atoll	78%	67%	33%	9
GN Atoll	100%	100%	100%	1
S Atoll	100%	100%	100%	4
Facility type				
Referral hospital	100%	100%	100%	1
Hospital L3	100%	100%	100%	6
Hospital L2	100%	89%	100%	9
Hospital L1	100%	86%	57%	7
Health centre L1	63%	40%	9%	57
Health centre L2	60%	40%	13%	45
Health centre L3	73%	59%	35%	49
Health centre L4	46%	54%	31%	13
Other	0%	0%	0%	1

The majority (68%) of the health facilities provide services for chronic respiratory disease; these include more than 50% of the facilities across the atolls, the health centres and all hospitals. Asthma is diagnosed and treated at 52% of the facilities, including at about 40% of the Level 1 and Level 2 health centres, more than half of the Level 3 and Level 4 health centres, over 80% of the Level 1 and Level 2 hospitals, all Level 3 hospitals and the national referral hospital. COPD is diagnosed and treated at 28% of the facilities, including at least one facility in each atoll, all Level 2 and Level 3 hospitals, and the national referral hospital.

The readiness indicators show that there are no guidelines at any of the health facilities and 2% of facilities have had staff trained in the past two years. The majority of the facilities have equipment for oxygen delivery with apparatus and medicines, resulting in an average of 66% of the medicines and commodities being available at the facilities. On average, 50% of the readiness items are available at the health facilities.

Percentage of facilities offering any services for chronic respiratory disease by atoll

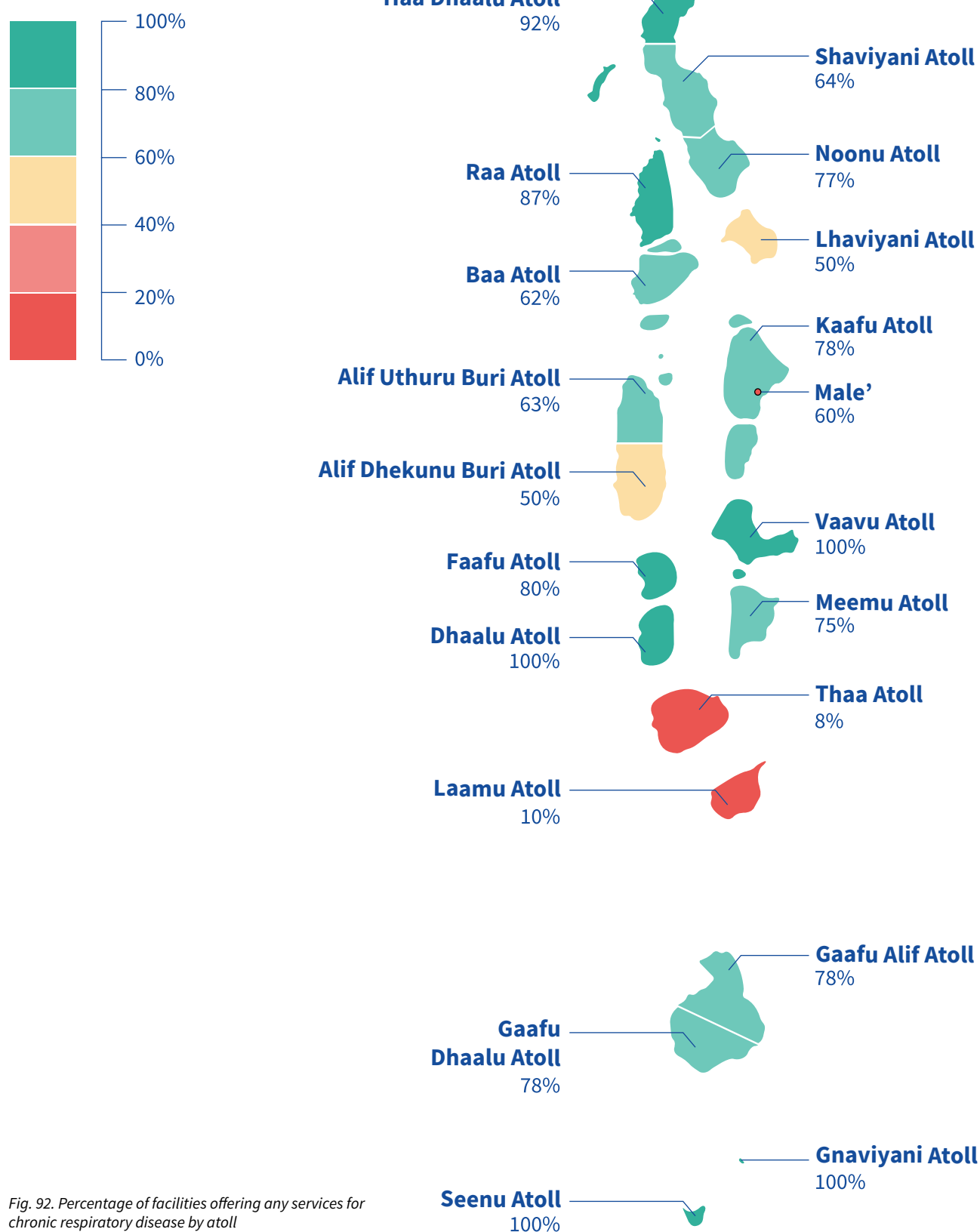


Fig. 92. Percentage of facilities offering any services for chronic respiratory disease by atoll

3.3.3.2. Chronic respiratory disease (CRD) service readiness

Table 83. (3.3.3.2) Percentage of facilities with chronic respiratory disease service (CRD) readiness items by atoll and facility type

	Staff and guidelines			Equipment	Diagnostics	Medicines and commodities									
	Guidelines for diagnosis and management of CRD	Staff trained in diagnosis and management of CRD	Mean proportion of staff and guideline items at facilities	Stethoscope	Blood gas measurement capacity	Oxygen with delivery apparatus	Salbutamol inhaler	Beclomethasone inhaler	Prednisolone tab/cap	Hydrocortisone injection	Adrenaline/ epinephrine injection	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	0%	2%	1%	99%	5%	70%	68%	23%	80%	98%	58%	66%	50%	0%	128
Atoll															
MLE	0%	0%	0%	100%	33%	67%	33%	100%	100%	100%	100%	83%	63%	0%	3
HA Atoll	0%	8%	4%	100%	0%	75%	92%	25%	83%	92%	8%	63%	48%	0%	12
HDH Atoll	0%	0%	0%	100%	8%	83%	58%	17%	83%	100%	50%	65%	50%	0%	12
SH Atoll	0%	0%	0%	100%	0%	100%	56%	0%	67%	89%	67%	63%	48%	0%	9
N Atoll	0%	0%	0%	100%	0%	60%	90%	20%	90%	100%	60%	70%	52%	0%	10
R Atoll	0%	0%	0%	100%	8%	92%	77%	8%	77%	92%	85%	72%	54%	0%	13
B Atoll	0%	0%	0%	100%	0%	25%	63%	25%	63%	100%	13%	48%	39%	0%	8
LH Atoll	0%	0%	0%	100%	0%	50%	100%	50%	0%	100%	50%	58%	45%	0%	2
K Atoll	0%	0%	0%	100%	0%	100%	71%	14%	100%	100%	71%	76%	56%	0%	7
AA Atoll	0%	0%	0%	80%	0%	40%	100%	40%	100%	100%	100%	80%	56%	0%	5
ADH Atoll	0%	0%	0%	100%	0%	40%	60%	20%	100%	100%	60%	63%	48%	0%	5
V Atoll	0%	0%	0%	100%	0%	80%	0%	0%	0%	100%	100%	47%	38%	0%	5
M Atoll	0%	0%	0%	100%	0%	67%	67%	0%	100%	100%	33%	61%	47%	0%	6
F Atoll	0%	0%	0%	100%	0%	25%	75%	25%	25%	100%	75%	54%	43%	0%	4
DH Atoll	0%	0%	0%	100%	0%	100%	67%	0%	100%	100%	100%	78%	57%	0%	6
TH Atoll	0%	0%	0%	100%	100%	0%	0%	0%	100%	100%	100%	50%	50%	0%	1
L Atoll	0%	0%	0%	100%	0%	100%	100%	0%	100%	100%	0%	67%	50%	0%	1
GA Atoll	0%	14%	7%	100%	14%	14%	57%	57%	71%	100%	0%	50%	43%	0%	7
GDH Atoll	0%	0%	0%	100%	14%	100%	71%	57%	100%	100%	100%	88%	64%	0%	7
GN Atoll	0%	0%	0%	100%	0%	100%	100%	0%	100%	100%	100%	83%	60%	0%	1
S Atoll	0%	0%	0%	100%	0%	75%	50%	75%	100%	100%	25%	71%	53%	0%	4
Facility type															
Referral hospital	0%	0%	0%	100%	0%	100%	100%	100%	100%	100%	100%	100%	70%	0%	1
Hospital L3	0%	0%	0%	100%	67%	100%	50%	83%	100%	100%	83%	86%	68%	0%	6
Hospital L2	0%	11%	6%	100%	11%	78%	67%	44%	89%	100%	56%	72%	56%	0%	9
Hospital L1	0%	0%	0%	100%	0%	57%	57%	14%	71%	100%	100%	67%	50%	0%	7
Health centre L1	0%	0%	0%	97%	0%	67%	61%	14%	75%	100%	58%	63%	47%	0%	36
Health centre L2	0%	4%	2%	100%	0%	74%	74%	19%	67%	96%	56%	64%	49%	0%	27
Health centre L3	0%	0%	0%	100%	3%	69%	72%	19%	86%	97%	47%	65%	49%	0%	36
Health centre L4	0%	0%	0%	100%	0%	50%	83%	33%	100%	83%	50%	67%	50%	0%	6

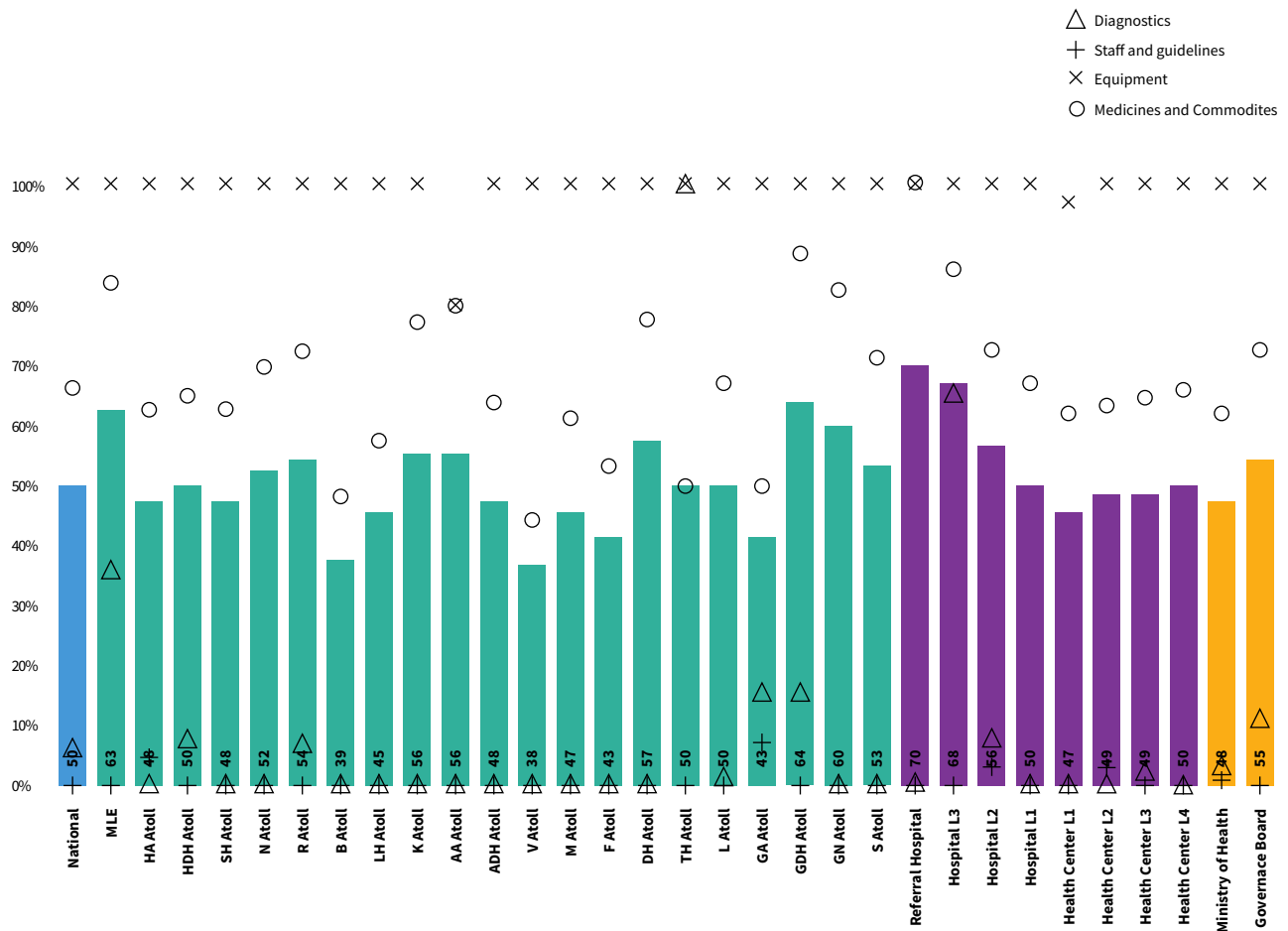


Fig. 93. Chronic respiratory disease service readiness: mean proportion of all items at facilities by atoll and facility type

3.3.4. NCD service support systems

3.3.4.1. NCD auxiliary indicators – service support systems

Table 84. (3.3.4.1) Percentage of facilities offering NCD services with service support systems by atoll and facility type

	Appointment system for follow-up of NCD patients	Register/database for NCD patients	Individual patient cards for NCD patients	n
National	16%	40%	17%	167
Atoll				
MLE	50%	50%	25%	4
HA Atoll	7%	71%	14%	14
HDH Atoll	15%	38%	8%	13
SH Atoll	29%	71%	29%	14
N Atoll	0%	25%	25%	12
R Atoll	0%	20%	7%	15
B Atoll	17%	50%	0%	12
LH Atoll	33%	67%	100%	3
K Atoll	0%	56%	22%	9
AA Atoll	43%	57%	29%	7
ADH Atoll	44%	33%	33%	9
V Atoll	20%	20%	0%	5
M Atoll	13%	13%	13%	8
F Atoll	60%	40%	20%	5
DH Atoll	0%	50%	0%	6
TH Atoll	0%	50%	0%	2
L Atoll	14%	29%	0%	7
GA Atoll	0%	0%	50%	8
GDH Atoll	11%	33%	11%	9
GN Atoll	0%	0%	0%	1
S Atoll	0%	0%	0%	4
Facility type				
Referral hospital	100%	0%	0%	1
Hospital L3	17%	50%	33%	6
Hospital L2	44%	33%	33%	9
Hospital L1	57%	29%	14%	7
Health centre L1	13%	32%	11%	53
Health centre L2	13%	45%	16%	38
Health centre L3	9%	47%	21%	43
Health centre L4	0%	40%	20%	10

A small proportion of the facilities (16%) has an appointment system for following up on NCD patients and maintains individual patient cards (17%). While the national referral hospital has an appointment system for following up on NCD patients, it does not maintain a separate individual patient card nor has an NCD register. About 40% of the facilities, however, maintain an NCD register; these include 50% of the Level 3 hospitals and a third of the Level 1 and Level 2 hospitals. The number of health centres that maintains NCD registers varies from 32% to 47%.

3.3.5. Cancer (cervical, breast, prostate and colorectal)

3.3.5.1. Cervical cancer service availability

Table 85. (3.3.5.1) Percentage of facilities offering cervical cancer services by atoll and facility type

	Any screening, diagnostic or treatment services for cervical cancer	Taking specimen for PAP smear or HPV test	Reading of PAP smear	Reading of HPV test result	Colposcopy and biopsy	Digital cervicography	Treatment of pre-invasive cervical cancer lesions	n
National	2%	2%	2%	1%	1%	0%	0%	188
Atoll								
MLE	40%	40%	40%	20%	20%	0%	0%	5
HA Atoll	0%	0%	0%	0%	0%	0%	0%	14
HDH Atoll	0%	0%	0%	0%	0%	0%	0%	13
SH Atoll	0%	0%	0%	0%	0%	0%	0%	14
N Atoll	0%	0%	0%	0%	0%	0%	0%	13
R Atoll	0%	0%	0%	0%	0%	0%	0%	15
B Atoll	0%	0%	0%	0%	0%	0%	0%	13
LH Atoll	0%	0%	0%	0%	0%	0%	0%	4
K Atoll	0%	0%	0%	0%	0%	0%	0%	9
AA Atoll	0%	0%	0%	0%	0%	0%	0%	8
ADH Atoll	0%	0%	0%	0%	0%	0%	0%	10
V Atoll	0%	0%	0%	0%	0%	0%	0%	5
M Atoll	0%	0%	0%	0%	0%	0%	0%	8
F Atoll	0%	0%	0%	0%	0%	0%	0%	5
DH Atoll	0%	0%	0%	0%	0%	0%	0%	6
TH Atoll	0%	0%	0%	0%	0%	0%	0%	13
L Atoll	0%	0%	0%	0%	0%	0%	0%	10
GA Atoll	0%	0%	0%	0%	0%	0%	0%	9
GDH Atoll	0%	0%	0%	0%	0%	0%	0%	9
GN Atoll	0%	0%	0%	0%	0%	0%	0%	1
S Atoll	25%	25%	25%	25%	25%	0%	0%	4
Facility type								
Referral hospital	100%	100%	100%	100%	100%	0%	0%	1
Hospital L3	33%	33%	33%	17%	17%	0%	0%	6
Hospital L2	0%	0%	0%	0%	0%	0%	0%	9
Hospital L1	0%	0%	0%	0%	0%	0%	0%	7
Health centre L1	0%	0%	0%	0%	0%	0%	0%	57
Health centre L2	0%	0%	0%	0%	0%	0%	0%	45
Health centre L3	0%	0%	0%	0%	0%	0%	0%	49
Health centre L4	0%	0%	0%	0%	0%	0%	0%	13
Other	0%	0%	0%	0%	0%	0%	0%	1

Any diagnostic services for cervical cancer screening are provided at only 2% of the facilities in Malé and Seenu Atoll; this includes collection and reading of pap smear. However, only 1% of the facilities in MLE and Seenu Atoll offer reading of HPV test, colposcopy and biopsy. None of the facilities provides digital cervicography or treatment of pre-invasive cervical cancer lesions.

Percentage of facilities offering collection of specimens for PAP smear or HPV test by atoll

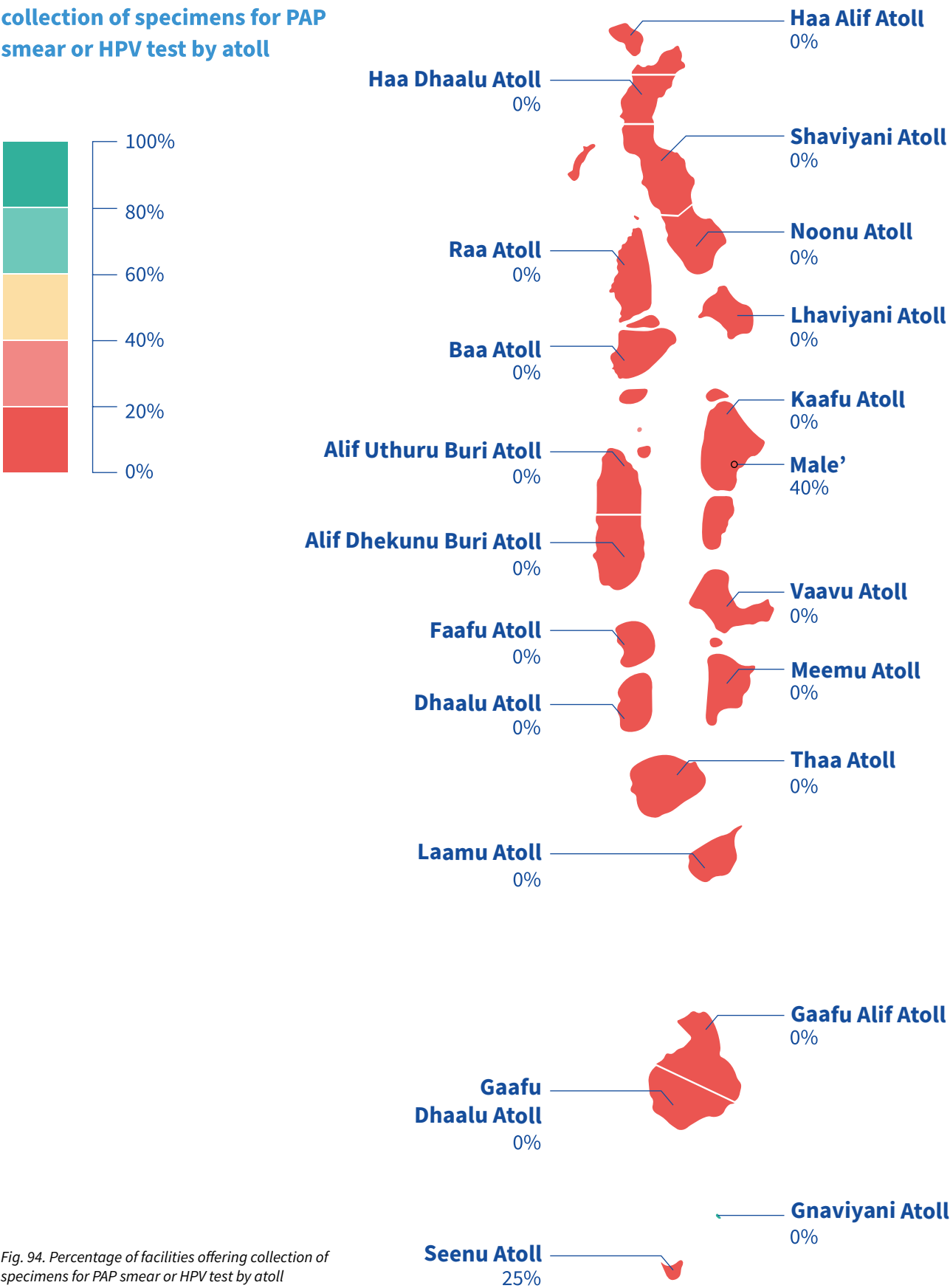


Fig. 94. Percentage of facilities offering collection of specimens for PAP smear or HPV test by atoll

3.3.5.2. Breast cancer service availability

Table 86 (3.3.5.2) Percentage of facilities offering breast cancer services by atoll and facility type

	Any services for breast cancer	Manual breast examination	Mammography	Fine needle aspiration	Core needle biopsy	Chemotherapy treatment	Radiation treatment	Lumpectomy	Mastectomy	Outpatient maintenance treatment for breast cancer	n
National	3%	3%	3%	3%	1%	2%	0%	1%	1%	3%	188
Atoll											
MLE	20%	40%	40%	40%	20%	40%	0%	20%	20%	40%	5
HA Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14
HDH Atoll	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13
SH Atoll	7%	7%	0%	0%	0%	0%	0%	0%	0%	7%	14
N Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13
R Atoll	7%	7%	7%	7%	0%	7%	0%	0%	0%	7%	15
B Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13
LH Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4
K Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9
AA Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8
ADH Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10
V Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5
M Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8
F Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5
DH Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6
TH Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13
L Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10
GA Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9
GDH Atoll	11%	11%	11%	11%	0%	0%	0%	0%	0%	11%	9
GN Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
S Atoll	25%	25%	25%	25%	0%	25%	0%	0%	0%	0%	4
Facility type											
Referral hospital	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	1
Hospital L3	67%	67%	67%	67%	0%	50%	0%	0%	0%	50%	6
Hospital L2	11%	11%	0%	0%	0%	0%	0%	0%	0%	11%	9
Hospital L1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7
Health centre L1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57
Health centre L2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	45
Health centre L3	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	49
Health centre L4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

Only 3% of the health facilities provide any services for breast cancer; these include the national referral hospital, 67% of the Level 3 hospitals and 11% of the Level 2 hospitals. Health centres do not provide any services for breast cancer. Mammography is expected to be provided only at the national referral hospital and the higher-level hospitals, and is available at the national referral hospital, 67% of the Level 3 hospitals and 11% of the Level 2 hospitals.

Percentage of facilities offering any services for breast cancer by atoll

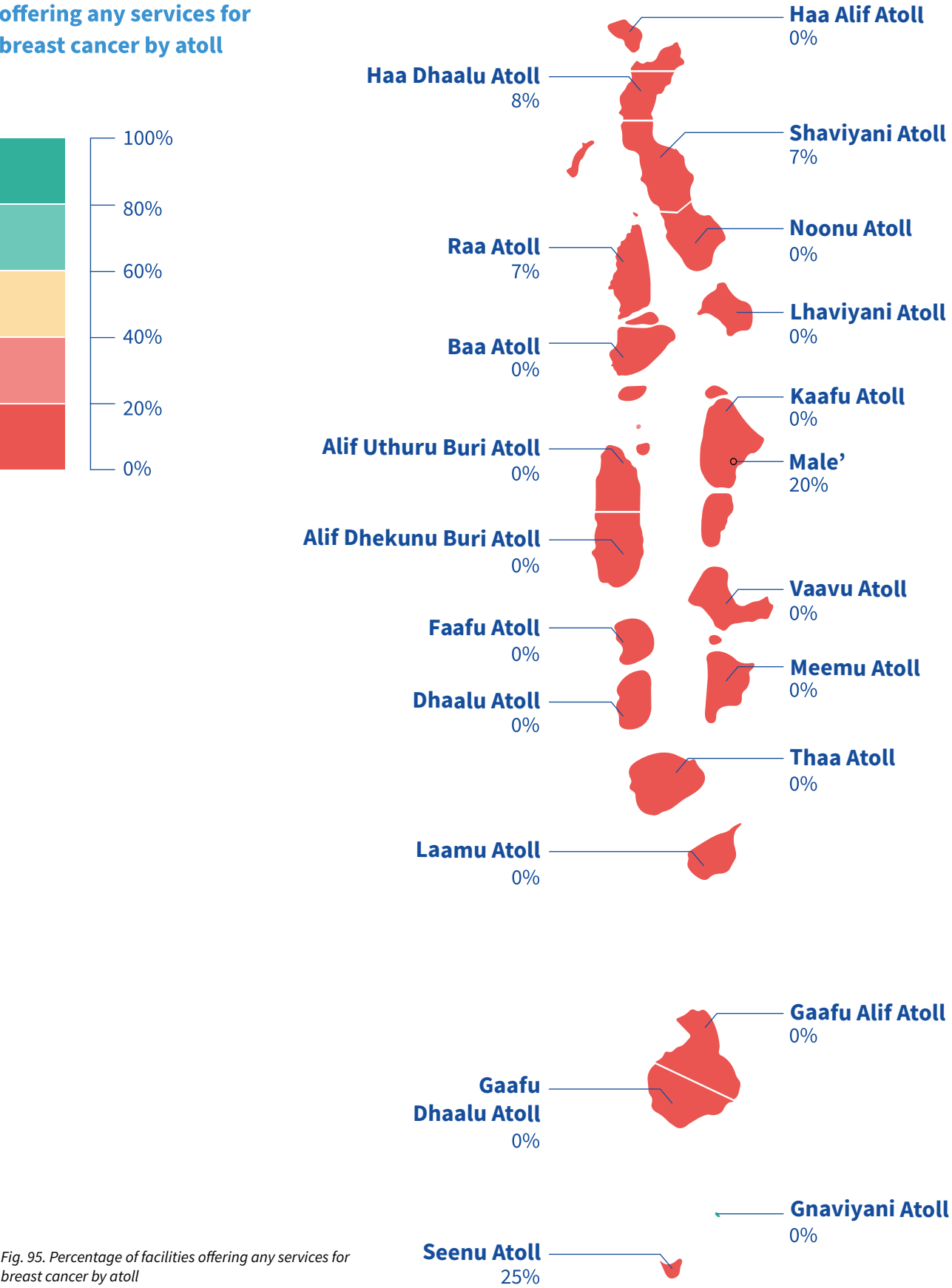


Fig. 95. Percentage of facilities offering any services for breast cancer by atoll

3.3.5.4. Prostate cancer service availability

Table 87. (3.3.5.4) Percentage of facilities offering prostate cancer services by atoll and facility type

	Any services for prostate cancer	Digital rectal examination (DRE)	Prostate-specific antigen (PSA) test	Prostate biopsy	Surgical interventions for prostate cancer	Radiation therapy	n
National	1%	1%	1%	1%	1%	0%	188
Atoll							
MLE	20%	20%	40%	20%	20%	0%	5
HA Atoll	0%	0%	0%	0%	0%	0%	14
HDH Atoll	0%	0%	0%	0%	0%	0%	13
SH Atoll	0%	0%	0%	0%	0%	0%	14
N Atoll	0%	0%	0%	0%	0%	0%	13
R Atoll	0%	0%	0%	0%	0%	0%	15
B Atoll	0%	0%	0%	0%	0%	0%	13
LH Atoll	0%	0%	0%	0%	0%	0%	4
K Atoll	0%	0%	0%	0%	0%	0%	9
AA Atoll	0%	0%	0%	0%	0%	0%	8
ADH Atoll	0%	0%	0%	0%	0%	0%	10
V Atoll	0%	0%	0%	0%	0%	0%	5
M Atoll	0%	0%	0%	0%	0%	0%	8
F Atoll	0%	0%	0%	0%	0%	0%	5
DH Atoll	0%	0%	0%	0%	0%	0%	6
TH Atoll	0%	0%	0%	0%	0%	0%	13
L Atoll	0%	0%	0%	0%	0%	0%	10
GA Atoll	0%	0%	0%	0%	0%	0%	9
GDH Atoll	0%	0%	0%	0%	0%	0%	9
GN Atoll	0%	0%	0%	0%	0%	0%	1
S Atoll	0%	0%	0%	0%	0%	0%	4
Facility type							
Referral hospital	100%	100%	100%	100%	100%	0%	1
Hospital L3	0%	0%	17%	0%	0%	0%	6
Hospital L2	0%	0%	0%	0%	0%	0%	9
Hospital L1	0%	0%	0%	0%	0%	0%	7
Health centre L1	0%	0%	0%	0%	0%	0%	57
Health centre L2	0%	0%	0%	0%	0%	0%	45
Health centre L3	0%	0%	0%	0%	0%	0%	49
Health centre L4	0%	0%	0%	0%	0%	0%	13
Other	0%	0%	0%	0%	0%	0%	1

Prostate cancer services are available only in MLE, at the national referral hospital, and one hospital in MLE provides PSA test. DRE for prostate cancer is also not conducted at any of the hospitals.

3.3.5.5. Colorectal cancer service availability

Table 88. (3.3.5.5) Percentage of facilities offering colorectal cancer services by atoll and facility type

	Any services for colorectal cancer	Stool guaiac testing	Colonoscopy service	Biopsy of colon polyp	Surgical interventions for colorectal cancer	Chemotherapy for colorectal cancer	n
National	1%	1%	1%	1%	1%	1%	188
Atoll							
MLE	20%	20%	20%	20%	20%	20%	5
HA Atoll	0%	0%	0%	0%	0%	0%	14
HDH Atoll	0%	0%	0%	0%	0%	0%	13
SH Atoll	0%	0%	0%	0%	0%	0%	14
N Atoll	0%	0%	0%	0%	0%	0%	13
R Atoll	0%	0%	0%	0%	0%	0%	15
B Atoll	0%	0%	0%	0%	0%	0%	13
LH Atoll	0%	0%	0%	0%	0%	0%	4
K Atoll	0%	0%	0%	0%	0%	0%	9
AA Atoll	0%	0%	0%	0%	0%	0%	8
ADH Atoll	0%	0%	0%	0%	0%	0%	10
V Atoll	0%	0%	0%	0%	0%	0%	5
M Atoll	0%	0%	0%	0%	0%	0%	8
F Atoll	0%	0%	0%	0%	0%	0%	5
DH Atoll	0%	0%	0%	0%	0%	0%	6
TH Atoll	0%	0%	0%	0%	0%	0%	13
L Atoll	0%	0%	0%	0%	0%	0%	10
GA Atoll	0%	0%	0%	0%	0%	0%	9
GDH Atoll	0%	0%	0%	0%	0%	0%	9
GN Atoll	0%	0%	0%	0%	0%	0%	1
S Atoll	0%	0%	0%	0%	0%	25%	4
Facility type							
Referral hospital	100%	100%	100%	100%	100%	100%	1
Hospital L3	0%	0%	0%	0%	0%	17%	6
Hospital L2	0%	0%	0%	0%	0%	0%	9
Hospital L1	0%	0%	0%	0%	0%	0%	7
Health centre L1	0%	0%	0%	0%	0%	0%	57
Health centre L2	0%	0%	0%	0%	0%	0%	45
Health centre L3	0%	0%	0%	0%	0%	0%	49
Health centre L4	0%	0%	0%	0%	0%	0%	13
Other	0%	0%	0%	0%	0%	0%	1

Similar to prostate cancer services, colorectal cancer services are also provided only at the national referral hospital. Chemotherapy service (including maintenance treatment) is provided at the Level 3 hospital in Seenu Atoll.

3.3.5.6. Cancer cross-cutting auxiliary indicators

Table 89. (3.3.5.6) Percentage of facilities offering any cancer services with cross-cutting auxiliary items by atoll and facility type

	Cancer patient follow-up register with outcome data	Reporting of newly diagnosed cancer cases to the National Cancer Registry	Reporting of newly diagnosed cancer cases to a facility cancer registry	Trained histopathologist	Biopsy services	Microtome for slicing biopsy samples	Complete blood count	Liver function test	Serum electrolytes	Carcinoembryonic antigen (CEA) test	CA19-9	Morphine (oral or injectable)	n
National	33%	22%	33%	33%	22%	22%	89%	89%	89%	56%	44%	78%	9
Atoll													
MLE	100%	50%	100%	100%	50%	50%	100%	100%	100%	100%	50%	100%	2
HA Atoll	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	1
SH Atoll	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	100%	1
N Atoll	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	1
R Atoll	0%	0%	100%	0%	0%	0%	100%	100%	100%	100%	100%	100%	1
LH Atoll	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	1
GDH Atoll	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	1
S Atoll	0%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Facility type													
Referral hospital	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	25%	50%	50%	50%	25%	25%	100%	100%	100%	100%	75%	100%	4
Hospital L2	33%	0%	0%	0%	0%	0%	67%	67%	67%	0%	0%	67%	3
Health centre L2	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	1

3.3.6. Mental health and neurological services

3.3.6.1. Mental health and neurological services availability

Table 90. (3.3.6.1) Percentage of facilities offering mental health and neurological services by atoll and facility type

	Any services for mental or neurological health	Services for mental disorders (depression, psychosis and bipolar disorder)	Services for neurological disorders	Mental health inpatient services	Neurological inpatient services	Management of depression	Management of bipolar disorder	Management of psychosis	Management of epilepsy	Management of dementia	Community linkages for mental or neurological services	n
National	58%	49%	53%	1%	1%	48%	40%	38%	55%	41%	2%	188
Atoll												
MLE	60%	60%	40%	40%	240%	40%	40%	40%	40%	40%	20%	5
HA Atoll	93%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	14
HDH Atoll	77%	62%	69%	0%	0%	69%	46%	54%	77%	46%	0%	13
SH Atoll	57%	57%	57%	0%	0%	57%	50%	50%	57%	57%	7%	14
N Atoll	92%	92%	92%	0%	0%	85%	85%	85%	85%	85%	0%	13
R Atoll	93%	47%	60%	0%	0%	87%	13%	13%	87%	13%	0%	15
B Atoll	31%	23%	31%	0%	0%	15%	15%	15%	31%	15%	0%	13
LH Atoll	100%	75%	75%	0%	0%	75%	75%	75%	100%	75%	25%	4
K Atoll	56%	33%	56%	0%	0%	33%	33%	22%	44%	11%	0%	9
AA Atoll	50%	50%	25%	0%	0%	38%	38%	38%	50%	50%	0%	8
ADH Atoll	50%	50%	50%	0%	0%	10%	50%	10%	50%	50%	0%	10
V Atoll	40%	0%	20%	0%	0%	40%	20%	20%	40%	40%	0%	5
M Atoll	38%	25%	50%	0%	0%	38%	13%	0%	38%	0%	0%	8
F Atoll	20%	20%	20%	0%	0%	20%	20%	20%	20%	20%	0%	5
DH Atoll	50%	50%	50%	0%	0%	50%	50%	50%	50%	50%	0%	6
TH Atoll	23%	15%	23%	0%	0%	8%	8%	15%	15%	8%	8%	13
L Atoll	10%	10%	10%	0%	0%	0%	0%	0%	0%	0%	0%	10
GA Atoll	78%	67%	67%	0%	0%	67%	56%	56%	78%	78%	0%	9
GDH Atoll	44%	44%	44%	0%	0%	22%	22%	22%	33%	33%	0%	9
GN Atoll	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	1
S Atoll	50%	50%	50%	0%	0%	50%	50%	50%	50%	25%	0%	4
Facility type												
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	1
Hospital L3	100%	100%	100%	17%	17%	83%	83%	83%	83%	67%	0%	6
Hospital L2	78%	67%	67%	0%	0%	67%	67%	67%	78%	67%	11%	9
Hospital L1	57%	29%	43%	0%	0%	57%	43%	29%	57%	43%	0%	7
Health centre L1	42%	35%	35%	0%	0%	32%	25%	23%	39%	25%	2%	57
Health centre L2	62%	47%	56%	0%	0%	42%	38%	29%	56%	40%	0%	45
Health centre L3	65%	59%	65%	0%	0%	65%	49%	55%	65%	49%	2%	49
Health centre L4	54%	54%	46%	0%	0%	38%	38%	31%	54%	54%	8%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

More than half (58%) of the facilities provide a mental and neurological health service [53% providing neurological service and 49% providing services for mental disorders (depression, psychosis and bipolar disorder)], and all atolls have at least one facility that provides any one type of mental health and neurological services. All Level 3 hospitals and the national referral hospital provide mental health services and the majority of the health centres also provide at least one of the mental health and neurological services.

The readiness indicators show that only 1% of the facilities have guidelines, 6% of the facilities have staff trained in diagnosis or treatment of mental health and 4% diagnose or manage neurological conditions, resulting in 3% of the staff and guideline items being available at the facilities providing mental health and neurological services. The majority (77%) of the medicines and commodities are available at the facilities. On average, 46% of all items are available at the facilities. None of the facilities has all items for mental health and neurological services.

Percentage of facilities offering any mental or neurological health services by atoll

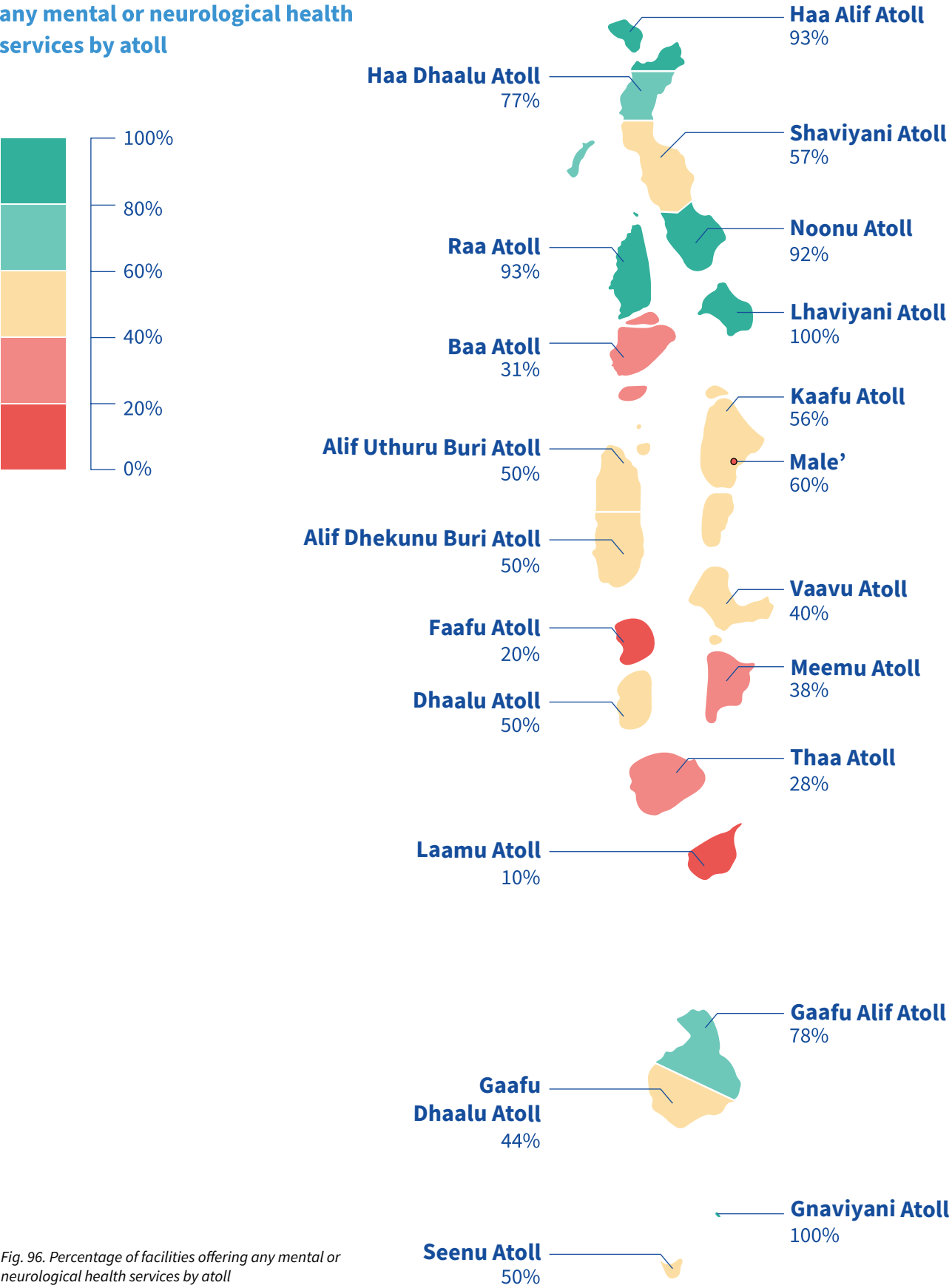


Fig. 96. Percentage of facilities offering any mental or neurological health services by atoll

3.3.6.2. Mental health and neurological services readiness

Table 91. (3.3.6.2) Percentage of facilities with mental health and neurological service readiness items by atoll and facility type

	Staff and guidelines				Medicines and commodities							
	Guidelines for management of mental and neurological conditions	Staff trained in diagnosis and management of mental health conditions	Staff trained in diagnosis or management of neurological conditions	Mean proportion of staff and guideline items at facilities	At least one type of medicine for depression	At least one type of medicine for psychosis	At least one type of medicine for bipolar disorders	At least one type of medicine for epilepsy	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	1%	6%	4%	3%	85%	75%	60%	89%	77%	46%	0%	109
Atoll												
MLE	33%	100%	33%	56%	67%	67%	67%	67%	67%	62%	0%	3
HA Atoll	0%	0%	0%	0%	92%	77%	92%	100%	90%	52%	0%	13
HDH Atoll	0%	10%	0%	3%	90%	70%	40%	80%	70%	41%	0%	10
SH Atoll	0%	0%	0%	0%	100%	75%	63%	75%	78%	45%	0%	8
N Atoll	0%	0%	0%	0%	100%	100%	75%	100%	94%	54%	0%	12
R Atoll	0%	0%	0%	0%	100%	71%	57%	100%	82%	47%	0%	14
B Atoll	0%	0%	0%	0%	25%	75%	25%	100%	56%	32%	0%	4
LH Atoll	0%	0%	25%	8%	50%	25%	50%	75%	50%	32%	0%	4
K Atoll	0%	0%	20%	7%	100%	100%	100%	100%	100%	60%	0%	5
AA Atoll	0%	0%	0%	0%	100%	50%	25%	100%	69%	39%	0%	4
ADH Atoll	0%	0%	0%	0%	60%	20%	20%	60%	40%	23%	0%	5
V Atoll	0%	0%	0%	0%	0%	100%	0%	50%	38%	21%	0%	2
M Atoll	0%	0%	0%	0%	100%	100%	67%	100%	92%	52%	0%	3
F Atoll	0%	0%	0%	0%	0%	0%	0%	100%	25%	14%	0%	1
DH Atoll	0%	0%	0%	0%	100%	100%	33%	67%	75%	43%	0%	3
TH Atoll	0%	0%	0%	0%	33%	67%	0%	100%	50%	29%	0%	3
L Atoll	0%	0%	0%	0%	100%	100%	100%	100%	100%	57%	0%	1
GA Atoll	0%	0%	0%	0%	100%	86%	71%	71%	82%	47%	0%	7
GDH Atoll	0%	25%	0%	8%	100%	75%	75%	100%	88%	54%	0%	4
GN Atoll	0%	0%	0%	0%	100%	100%	100%	100%	100%	57%	0%	1
S Atoll	0%	50%	50%	33%	50%	100%	100%	100%	88%	64%	0%	2
Facility type												
Referral hospital	100%	100%	0%	67%	100%	100%	100%	100%	100%	86%	0%	1
Hospital L3	0%	67%	17%	28%	100%	100%	100%	100%	100%	69%	0%	6
Hospital L2	0%	0%	14%	5%	86%	86%	100%	100%	93%	55%	0%	7
Hospital L1	0%	0%	0%	0%	25%	50%	25%	100%	50%	29%	0%	4
Health centre L1	0%	0%	0%	0%	88%	79%	50%	96%	78%	45%	0%	24
Health centre L2	0%	0%	0%	0%	89%	61%	54%	86%	72%	41%	0%	28
Health centre L3	0%	0%	3%	1%	91%	84%	63%	88%	81%	47%	0%	32
Health centre L4	0%	14%	14%	10%	57%	57%	43%	57%	54%	35%	0%	7

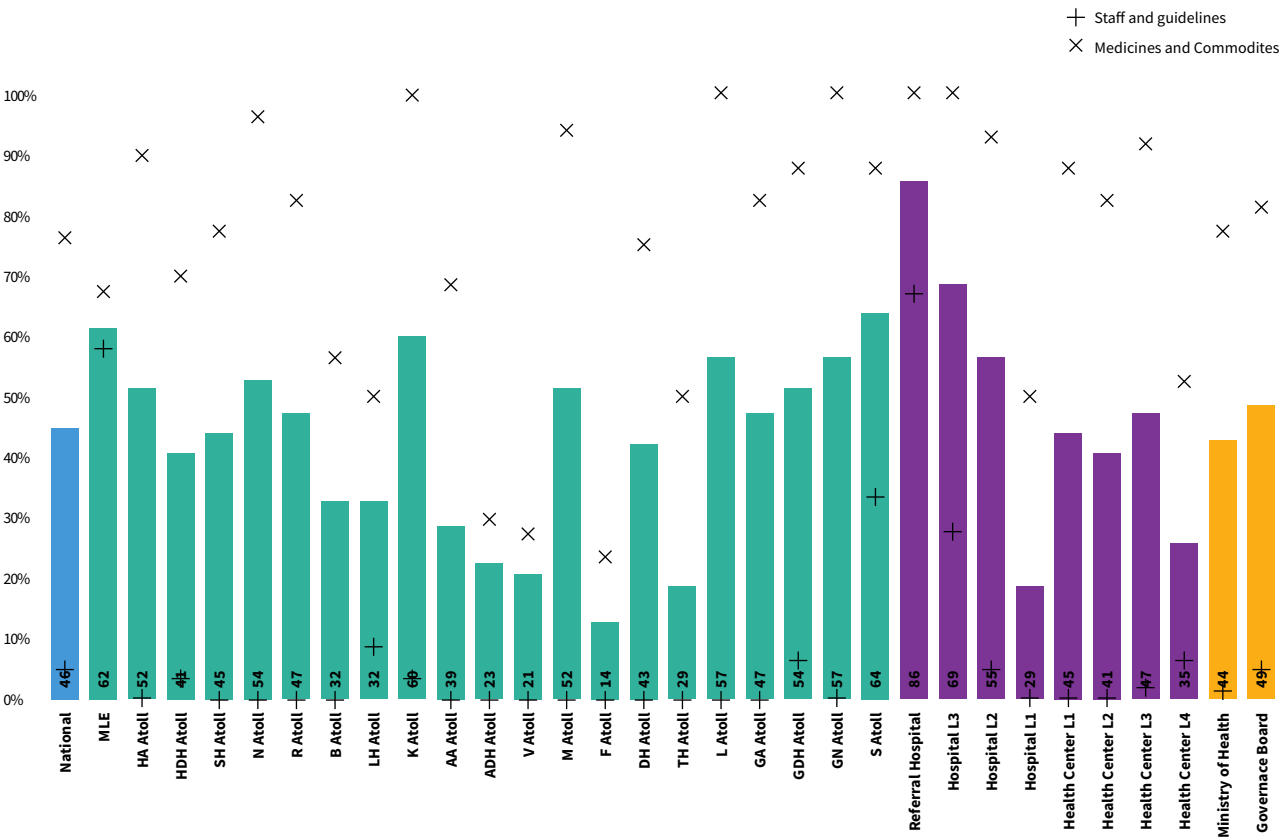


Fig. 97. Mental health and neurological services readiness: mean proportion of all items at facilities by atoll and facility type

Mental health and neurological services readiness: Mean proportion of all items at facilities by atoll

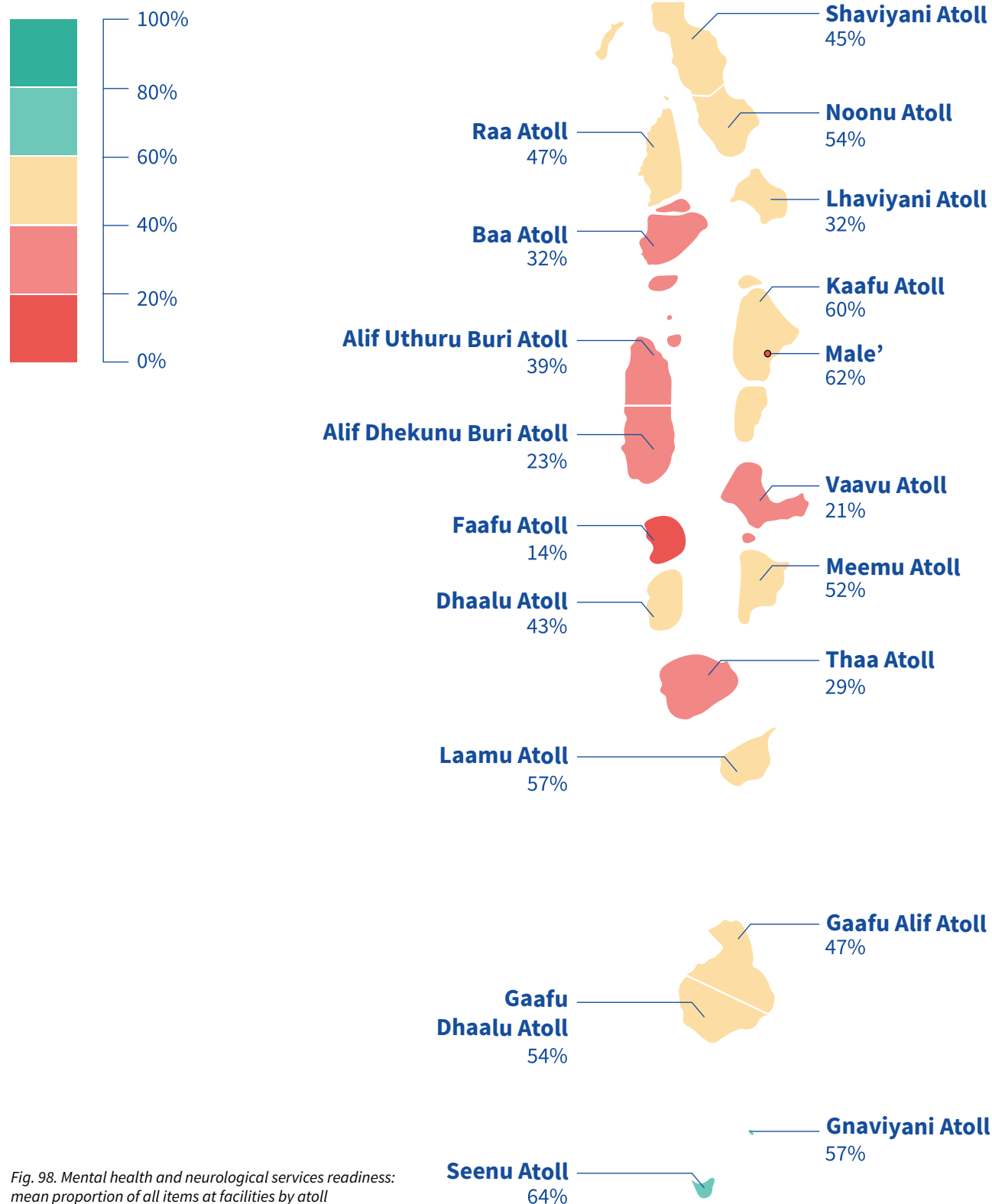


Fig. 98. Mental health and neurological services readiness: mean proportion of all items at facilities by atoll

3.3.7. Services for victims of violence and sexual abuse

3.3.7.1. Services for victims of violence and sexual abuse – availability

Table 92. (3.3.7.1) Percentage of facilities offering services for victims of violence and sexual abuse by atoll and facility type

	Any services specific to victims of violence	Services for victims of intimate partner/sexual violence	Services for victims of child maltreatment	Services for victims of youth violence	Forensic assessment for victims of sexual violence	Post-exposure prophylaxis for HIV for victims of sexual violence	Rapid HIV test for victims of sexual violence	Emergency contraception for victims of sexual violence	n
National	68%	64%	45%	45%	13%	1%	15%	10%	188
Atoll									
MLE	80%	80%	40%	60%	20%	20%	20%	60%	5
HA Atoll	100%	100%	100%	86%	7%	0%	7%	7%	14
HDH Atoll	77%	77%	62%	46%	15%	0%	8%	15%	13
SH Atoll	86%	86%	86%	79%	0%	0%	14%	7%	14
N Atoll	100%	92%	54%	85%	23%	0%	23%	8%	13
R Atoll	87%	87%	13%	13%	0%	0%	7%	7%	15
B Atoll	46%	46%	31%	31%	0%	0%	0%	0%	13
LH Atoll	75%	50%	50%	75%	25%	0%	25%	25%	4
K Atoll	67%	67%	11%	11%	0%	0%	11%	0%	9
AA Atoll	88%	75%	63%	63%	25%	0%	25%	25%	8
ADH Atoll	10%	10%	0%	10%	0%	0%	0%	0%	10
V Atoll	80%	80%	80%	80%	60%	0%	0%	20%	5
M Atoll	25%	25%	0%	0%	0%	0%	0%	0%	8
F Atoll	60%	40%	40%	60%	0%	0%	20%	0%	5
DH Atoll	100%	100%	50%	50%	0%	0%	0%	0%	6
TH Atoll	54%	38%	38%	15%	23%	8%	23%	8%	13
L Atoll	10%	10%	10%	10%	10%	0%	10%	10%	10
GA Atoll	33%	33%	11%	11%	0%	0%	0%	0%	9
GDH Atoll	78%	78%	78%	78%	56%	0%	56%	11%	9
GN Atoll	100%	100%	100%	100%	100%	0%	100%	100%	1
S Atoll	100%	100%	100%	100%	50%	0%	100%	50%	4
Facility type									
Referral hospital	100%	100%	100%	100%	100%	100%	0%	0%	1
Hospital L3	100%	100%	100%	100%	33%	0%	50%	67%	6
Hospital L2	89%	89%	89%	78%	33%	11%	33%	44%	9
Hospital L1	71%	71%	43%	43%	14%	0%	29%	29%	7
Health centre L1	58%	54%	37%	40%	4%	0%	2%	2%	57
Health centre L2	76%	71%	47%	47%	13%	0%	13%	7%	45
Health centre L3	63%	59%	41%	37%	18%	0%	16%	6%	49
Health centre L4	69%	69%	38%	46%	8%	0%	38%	15%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	1

The majority (68%) of the facilities provide services specific to victims of violence, with more than one facility providing the services in all atolls (except for GN atoll, which has only one facility). Insofar as the services are concerned, 64% provide services for victims of intimate partner/sexual violence; 45% provide services for victims of child maltreatment and services for victims of youth violence; 13% conduct forensic assessment for victims of sexual violence; 1% ensure post-exposure prophylaxis for HIV for victims of sexual violence; 155 provide rapid HIV test for victims of sexual violence; and 10% offer emergency contraception for victims of sexual violence. Most of these services are provided at the national referral hospital, Level 3 hospitals and health centres as well, except for post-exposure prophylaxis, forensic assessment and emergency contraception.

Readiness indicators for services for victims of violence and sexual abuse show that 41% of the diagnostic items are available at the facilities and 70% of the medicines and commodities are found at the facilities (see 3.3.7.2).

Percentage of facilities offering any services specific to victims of violence by atoll

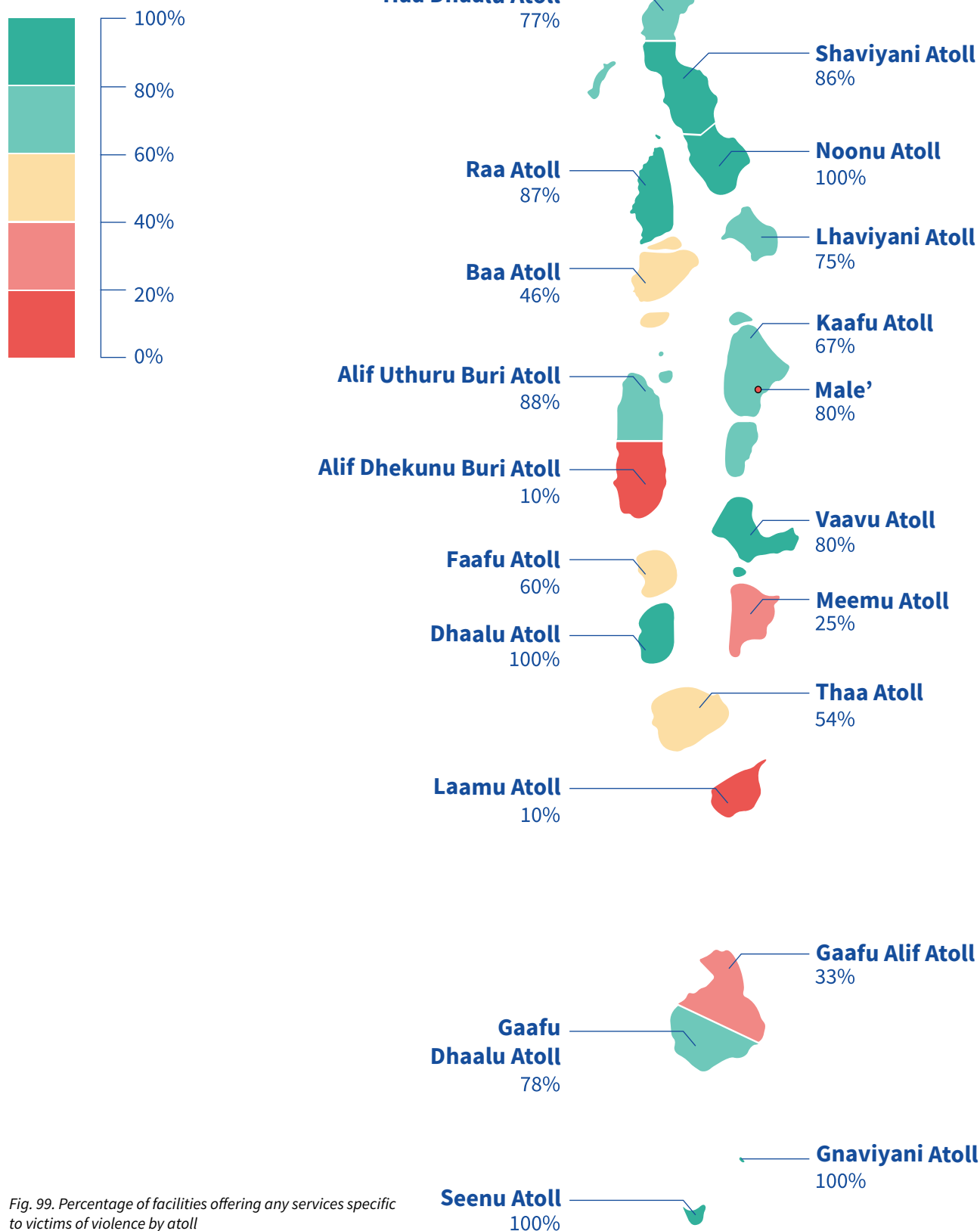


Fig. 99. Percentage of facilities offering any services specific to victims of violence by atoll

3.3.7.2. Services for victims of violence and sexual abuse – readiness

Table 93. (3.3.7.2) Percentage of facilities with victims of violence and sexual abuse service readiness items by atoll and facility type

	Diagnostics					Medicines and commodities									
	Syphilis test (rapid or other)	Gonorrhoea test	Chlamydia test	HIV rapid test	Pregnancy test	Mean proportion of diagnostic items at facilities	Medicines for treating syphilis	Medicines for treating trichomoniasis	Medicines for treating gonorrhoea	Medicines for treating chlamydia	Emergency contraceptive pill	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	54%	14%	14%	60%	62%	41%	81%	82%	82%	83%	22%	70%	55%	6%	127
Atoll															
MLE	50%	50%	50%	75%	75%	60%	75%	75%	50%	75%	75%	70%	65%	50%	4
HA Atoll	57%	14%	14%	64%	64%	43%	93%	93%	86%	93%	7%	74%	59%	0%	14
HDH Atoll	60%	10%	10%	60%	60%	40%	90%	100%	100%	90%	60%	88%	64%	10%	10
SH Atoll	67%	8%	8%	58%	67%	42%	67%	75%	75%	75%	8%	60%	51%	0%	12
N Atoll	38%	8%	8%	38%	38%	26%	77%	85%	92%	92%	8%	71%	48%	8%	13
R Atoll	62%	23%	23%	62%	54%	45%	92%	92%	92%	92%	15%	77%	61%	8%	13
B Atoll	67%	17%	17%	67%	67%	47%	50%	50%	50%	33%	17%	40%	43%	17%	6
LH Atoll	67%	0%	0%	100%	100%	53%	67%	67%	67%	67%	33%	60%	57%	0%	3
K Atoll	50%	0%	0%	50%	50%	30%	100%	100%	83%	100%	0%	77%	53%	0%	6
AA Atoll	43%	0%	0%	43%	57%	29%	100%	100%	86%	100%	43%	86%	57%	0%	7
ADH Atoll	0%	100%	100%	100%	100%	80%	100%	100%	100%	100%	0%	80%	80%	0%	1
V Atoll	25%	0%	0%	25%	75%	25%	0%	0%	25%	25%	25%	15%	20%	0%	4
M Atoll	50%	0%	0%	50%	50%	30%	100%	100%	100%	100%	50%	90%	60%	0%	2
F Atoll	67%	0%	0%	67%	67%	40%	0%	33%	67%	0%	0%	20%	30%	0%	3
DH Atoll	50%	17%	17%	50%	67%	40%	100%	100%	100%	100%	0%	80%	60%	0%	6
TH Atoll	71%	14%	14%	71%	71%	49%	71%	43%	57%	57%	14%	49%	49%	0%	7
L Atoll	100%	0%	0%	100%	100%	60%	100%	100%	100%	100%	100%	100%	80%	0%	1
GA Atoll	0%	0%	0%	0%	33%	7%	100%	100%	100%	100%	0%	80%	43%	0%	3
GDH Atoll	71%	29%	29%	86%	86%	60%	100%	86%	100%	100%	29%	83%	71%	14%	7
GN Atoll	100%	100%	100%	100%	0%	80%	100%	100%	100%	100%	100%	100%	90%	0%	1
S Atoll	25%	25%	25%	100%	75%	50%	100%	100%	75%	100%	50%	85%	68%	25%	4
Facility type															
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	83%	83%	100%	100%	93%	100%	100%	100%	100%	100%	100%	97%	83%	6
Hospital L2	100%	88%	88%	100%	75%	90%	100%	100%	100%	100%	50%	90%	90%	25%	8
Hospital L1	80%	0%	0%	100%	100%	56%	60%	60%	60%	80%	60%	64%	60%	0%	5
Health centre L1	12%	0%	0%	12%	21%	9%	70%	76%	73%	76%	3%	59%	34%	0%	33
Health centre L2	44%	3%	3%	50%	62%	32%	88%	79%	85%	79%	18%	70%	51%	0%	34
Health centre L3	81%	6%	6%	90%	84%	54%	81%	84%	90%	90%	13%	72%	63%	0%	31
Health centre L4	67%	22%	22%	78%	78%	53%	78%	89%	56%	67%	33%	64%	59%	0%	9

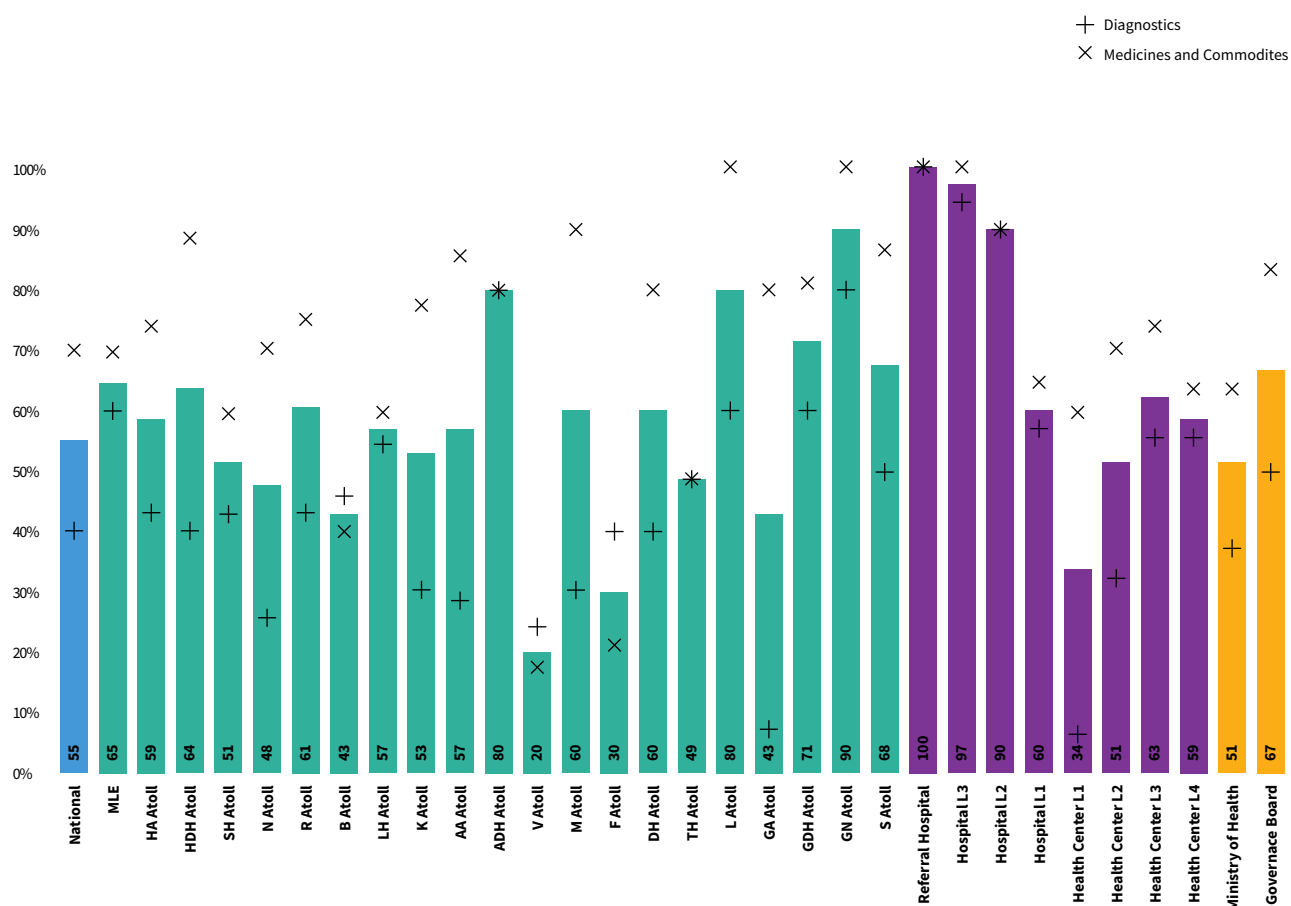


Fig. 100. Services for victims of violence and sexual abuse readiness: mean proportion of all items at facilities by atoll and facility type

**Services for victims of violence and sexual abuse readiness:
Mean proportion of all items
at facilities by atoll**

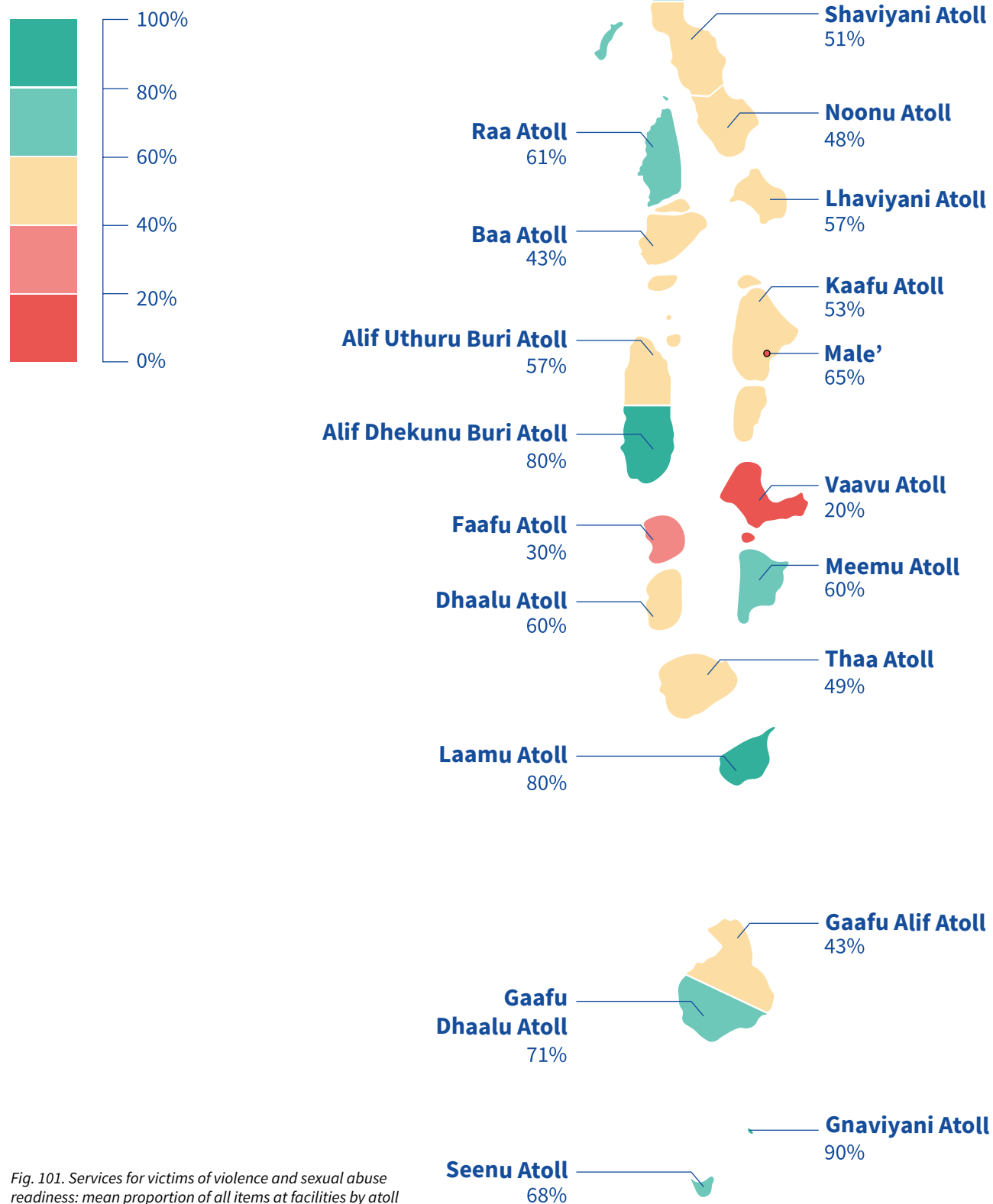


Fig. 101. Services for victims of violence and sexual abuse readiness: mean proportion of all items at facilities by atoll

3.4. Surgical services

3.4.1. Minor surgery

3.4.1.1. Minor surgery service availability

Table 94. (3.4.1.1) Percentage of facilities offering minor surgery service by atoll and facility type

	Any minor surgical procedures	Wound debridement	Suturing of laceration	Acute burn management	Incision and drainage of abscesses	Chest tube insertion	Male circumcision	Hydrocele reduction	Biopsy of lymph node or other mass	Removal of foreign body	Closed repair of fracture	Closed reduction of dislocated joint	n
National	83%	54%	83%	77%	79%	7%	10%	6%	7%	83%	15%	17%	188
MLE	60%	60%	60%	60%	60%	40%	40%	20%	40%	60%	60%	60%	5
HA Atoll	100%	93%	100%	100%	100%	7%	7%	0%	7%	100%	7%	14%	14
HDH Atoll	100%	23%	100%	77%	92%	8%	8%	8%	8%	100%	8%	15%	13
SH Atoll	93%	79%	93%	93%	93%	7%	7%	7%	7%	93%	7%	7%	14
N Atoll	100%	77%	100%	100%	92%	0%	8%	8%	0%	100%	0%	15%	13
R Atoll	100%	80%	100%	100%	100%	7%	7%	7%	7%	100%	7%	13%	15
B Atoll	77%	31%	77%	54%	54%	8%	8%	8%	8%	77%	23%	8%	13
LH Atoll	100%	50%	100%	75%	75%	0%	25%	0%	25%	100%	0%	0%	4
K Atoll	78%	33%	78%	78%	78%	0%	0%	0%	0%	78%	33%	33%	9
AA Atoll	75%	38%	75%	75%	75%	13%	13%	0%	0%	75%	25%	25%	8
ADH Atoll	70%	70%	70%	70%	70%	0%	0%	0%	0%	70%	30%	10%	10
V Atoll	100%	80%	100%	100%	100%	0%	0%	0%	0%	100%	40%	20%	5
M Atoll	88%	50%	88%	88%	88%	0%	13%	0%	0%	88%	25%	25%	8
F Atoll	100%	40%	100%	100%	100%	0%	20%	20%	0%	100%	0%	0%	5
DH Atoll	100%	50%	100%	100%	83%	17%	17%	17%	0%	100%	17%	33%	6
TH Atoll	23%	23%	23%	23%	23%	8%	8%	8%	8%	23%	15%	15%	13
L Atoll	50%	20%	50%	10%	50%	10%	10%	10%	10%	50%	10%	10%	10
GA Atoll	100%	67%	100%	100%	100%	11%	11%	0%	0%	100%	0%	11%	9
GDH Atoll	67%	22%	67%	67%	56%	11%	11%	0%	11%	67%	11%	22%	9
GN Atoll	100%	100%	100%	100%	100%	0%	100%	0%	100%	100%	100%	100%	1
S Atoll	100%	100%	100%	100%	100%	25%	25%	25%	25%	100%	25%	25%	4
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	100%	100%	100%	67%	100%	100%	100%	100%	6
Hospital L2	100%	100%	100%	100%	100%	67%	100%	56%	67%	100%	56%	89%	9
Hospital L1	100%	71%	100%	100%	100%	0%	43%	14%	0%	100%	71%	57%	7
Health centre L1	82%	46%	82%	74%	75%	0%	0%	0%	0%	82%	5%	2%	57
Health centre L2	76%	49%	76%	73%	76%	2%	0%	0%	0%	76%	11%	9%	45
Health centre L3	88%	53%	88%	78%	82%	0%	0%	0%	0%	88%	6%	16%	49
Health centre L4	69%	54%	69%	69%	62%	0%	0%	0%	0%	69%	8%	0%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

Minor surgery services are available at the majority of the facilities (83%), with all atolls having facilities that provide these services. These include wound debridement provided by 54% of the facilities, with 83% providing suturing of laceration, 77% providing acute burn management, 79% providing incision and drainage of abscesses, and 83% providing removal of foreign body. A smaller proportion of facilities provides chest tube insertion (7%), male circumcision (10%), hydrocele reduction (6%), biopsy of lymph node or other mass (7%), closed repair of fracture (15%) and closed reduction of dislocated joint (17%). While all hospitals provide the majority of these services, hydrocele reduction services, biopsy of lymph nodes, chest tube insertions, closed reduction of fractures and dislocation services are provided at a smaller proportion of Level 1 and Level 2 hospitals.

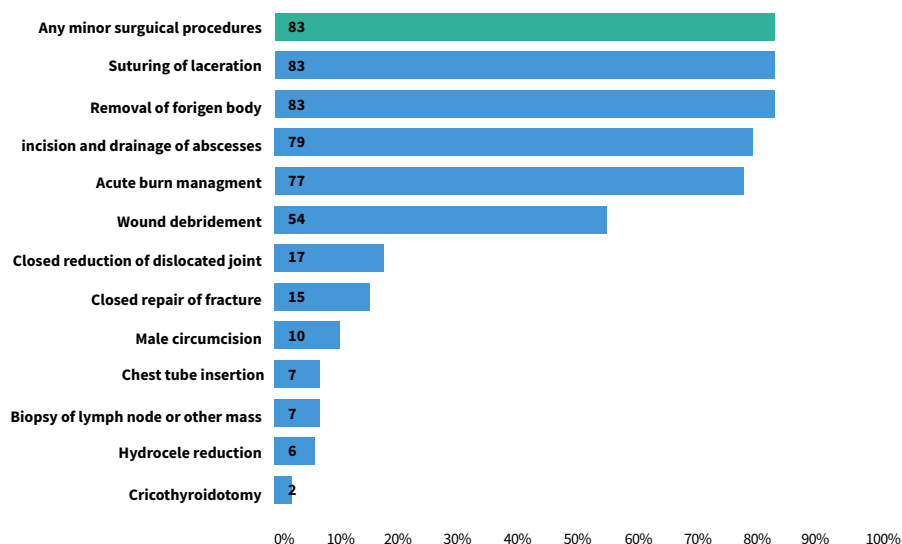


Fig. 102. Percentage of facilities offering minor surgery services

Percentage of facilities offering any minor surgical procedures by atoll

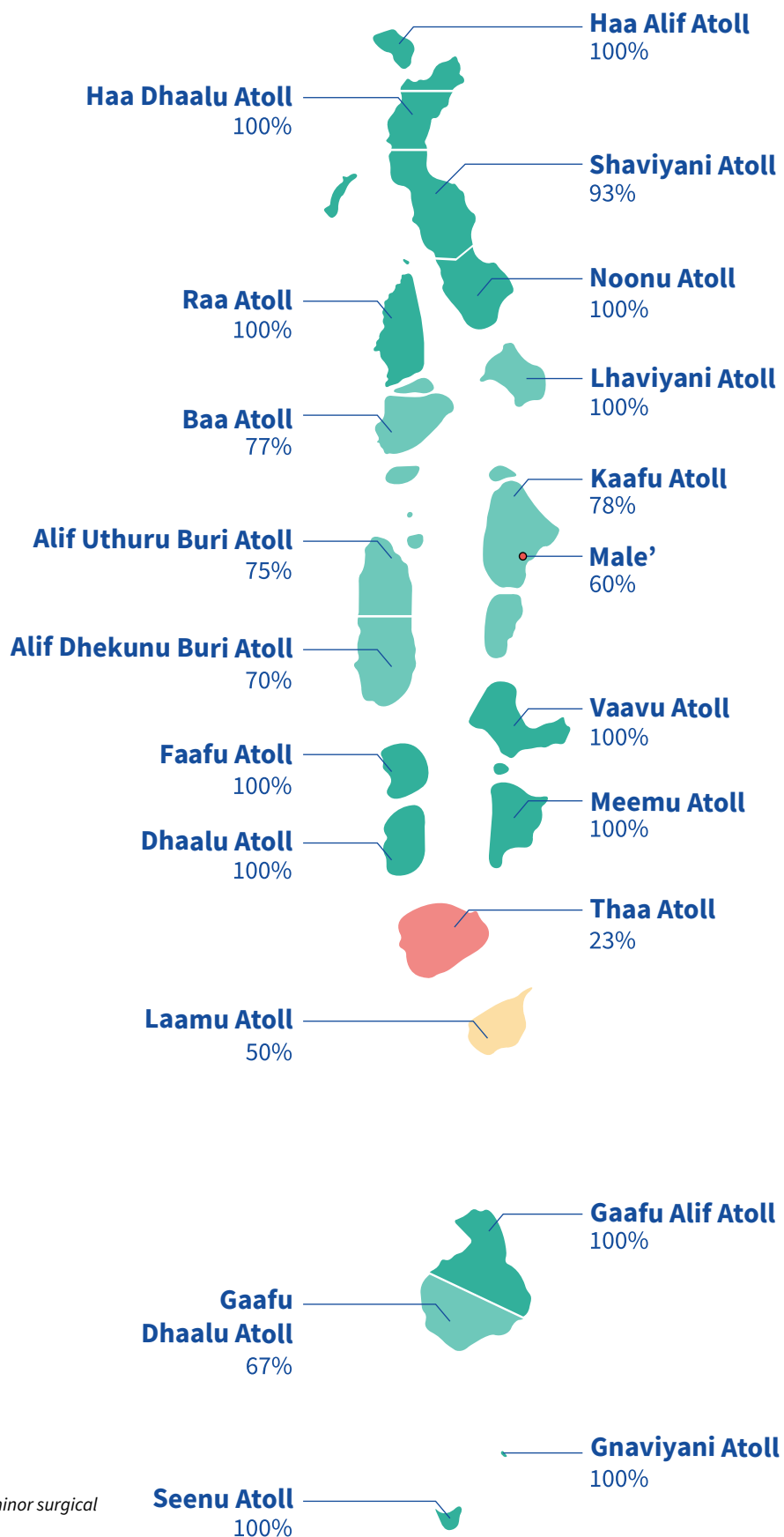
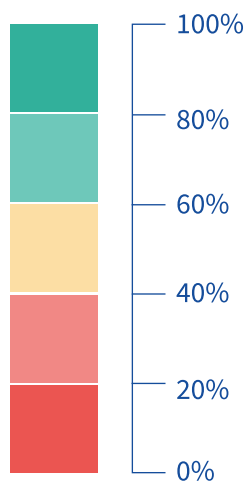


Fig. 103. Percentage of facilities offering any minor surgical procedures by atoll

3.4.1.2. Minor surgery service readiness

Table 95. (3.4.1.2) Percentage of facilities with minor surgery service readiness items by atoll and facility type

	Equipment						Medicines and commodities								
	Minor surgical kit	Cricothyroidotomy or tracheostomy set	Chest tube insertion set	Chest tubes	Latex gloves (sterile)	Mean proportion of equipment items at facilities	Skin disinfectant	Lidocaine 1% or 2% injection	Suture needles and thread	Materials for splinting extremities	Materials for casts	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	24%	2%	3%	5%	97%	26%	44%	69%	87%	42%	37%	56%	41%	1%	156
Atoll															
MLE	33%	0%	0%	0%	100%	27%	33%	100%	100%	67%	100%	80%	53%	0%	3
HA Atoll	14%	0%	7%	7%	100%	26%	14%	7%	71%	43%	7%	29%	27%	0%	14
HDH Atoll	8%	0%	0%	0%	100%	22%	38%	77%	100%	38%	15%	54%	38%	0%	13
SH Atoll	8%	8%	8%	8%	100%	26%	62%	38%	92%	46%	38%	55%	41%	8%	13
N Atoll	31%	0%	0%	0%	100%	26%	54%	77%	77%	31%	23%	52%	39%	0%	13
R Atoll	13%	0%	0%	0%	93%	21%	7%	93%	100%	47%	33%	56%	39%	0%	15
B Atoll	10%	0%	10%	10%	100%	26%	80%	70%	90%	40%	40%	64%	45%	0%	10
LH Atoll	25%	25%	25%	25%	50%	30%	25%	50%	50%	25%	25%	35%	33%	25%	4
K Atoll	29%	0%	0%	0%	100%	26%	71%	86%	100%	29%	14%	60%	43%	0%	7
AA Atoll	83%	0%	0%	0%	100%	37%	50%	100%	50%	33%	33%	53%	45%	0%	6
ADH Atoll	71%	0%	0%	14%	100%	37%	29%	100%	100%	71%	43%	69%	53%	0%	7
V Atoll	0%	0%	0%	0%	100%	20%	40%	100%	100%	40%	100%	76%	48%	0%	5
M Atoll	0%	0%	0%	0%	100%	20%	29%	100%	86%	14%	43%	54%	37%	0%	7
F Atoll	60%	20%	0%	0%	80%	32%	40%	60%	100%	20%	20%	48%	40%	0%	5
DH Atoll	67%	0%	0%	17%	100%	37%	0%	100%	100%	67%	83%	70%	53%	0%	6
TH Atoll	33%	0%	33%	33%	100%	40%	33%	100%	100%	33%	33%	60%	50%	0%	3
L Atoll	0%	0%	0%	0%	100%	20%	100%	40%	100%	20%	20%	56%	38%	0%	5
GA Atoll	11%	0%	0%	11%	100%	24%	67%	11%	67%	67%	56%	53%	39%	0%	9
GDH Atoll	33%	0%	0%	0%	100%	27%	100%	100%	100%	67%	50%	83%	55%	0%	6
GN Atoll	100%	0%	0%	0%	100%	40%	0%	100%	100%	0%	100%	60%	50%	0%	1
S Atoll	0%	0%	0%	0%	100%	20%	50%	75%	50%	25%	50%	50%	35%	0%	4
Facility type															
Referral hospital	0%	0%	0%	0%	100%	20%	100%	100%	100%	0%	100%	80%	50%	0%	1
Hospital L3	33%	0%	0%	0%	100%	27%	50%	83%	100%	83%	83%	80%	53%	0%	6
Hospital L2	89%	22%	56%	78%	100%	69%	56%	56%	100%	89%	100%	80%	74%	22%	9
Hospital L1	57%	14%	0%	0%	100%	34%	71%	100%	100%	100%	86%	91%	63%	0%	7
Health centre L1	15%	0%	0%	0%	98%	23%	34%	74%	85%	28%	21%	49%	36%	0%	47
Health centre L2	26%	0%	0%	3%	97%	25%	47%	62%	88%	41%	26%	53%	39%	0%	34
Health centre L3	12%	0%	0%	0%	98%	22%	47%	65%	81%	33%	33%	52%	37%	0%	43
Health centre L4	22%	0%	0%	0%	89%	22%	33%	67%	89%	44%	33%	53%	38%	0%	9

Readiness for minor surgery is low even at hospitals, with only 26% of the equipment for minor surgery being available at the facilities. This is observed because non-inclusion of any of the items for minor surgery in the kits is recorded as “non-available” in the assessment. This needs to be interpreted in the context of service delivery in the country as most of the hospitals prepare the kits as and when required. This practice, however, is expected to be time-consuming and therefore, brings down the readiness level. At the national referral hospital, the mean proportion of the equipment available is recorded at 20% while at the Level 3 hospitals, it stands at 27%. Level 2 and Level 1 hospitals have higher proportions, with equipment availability for minor surgery standing at 67% and 34% respectively. Health centres have about a quarter of the items for minor surgery. Readiness with medicines and commodities for minor surgery is better, with 80% of the items available at the national referral hospital, and Level 3 and Level 2 hospitals. Level 1 hospitals have 91% of the medicines and commodities while health centres have about 50% of the medicines and commodities. The mean proportion of all items at the facilities is 41% nationally and only 1% of the facilities have all items.

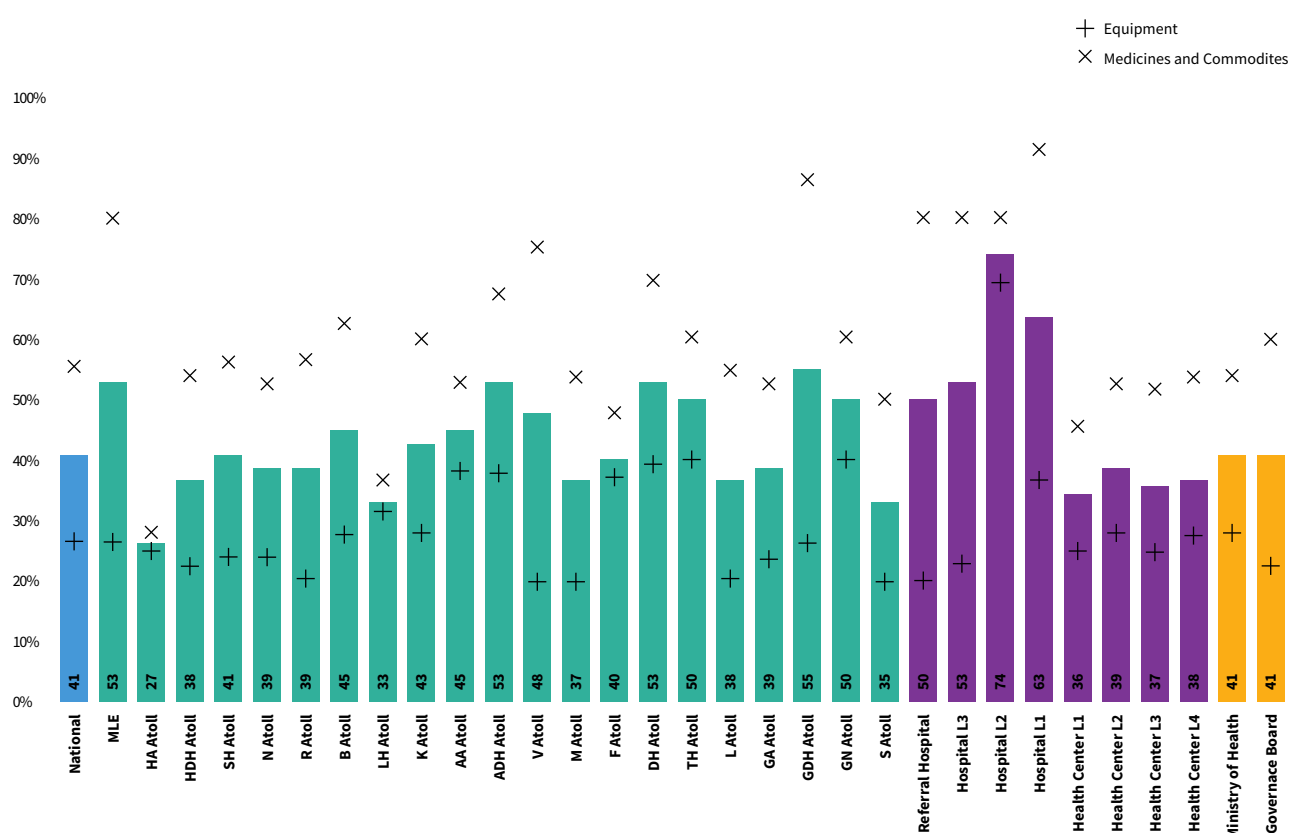


Fig. 104. Minor surgery service readiness: mean proportion of all items at facilities by atoll and facility type

3.4.2. Major surgery

3.4.2.1. General surgery availability

Table 96. (3.4.2.1) Percentage of facilities offering general surgery service by atoll and facility type

	Any major surgical procedures	Amputation	Appendectomy	Cataract surgery	Contracture release	Cystostomy	Drainage of osteomyelitis/septic arthritis	Hernia repair	Irrigation and debridement of open fractures	Laparotomy	Open reduction and fixation for fracture	Placement of external fixator	Skin grafting	Tracheostomy	Urethral stricture dilation	n
National	13%	4%	9%	2%	3%	5%	2%	7%	6%	6%	4%	3%	3%	5%	2%	188
Atoll																
MLE	60%	40%	40%	40%	40%	20%	20%	40%	40%	40%	40%	40%	40%	40%	20%	5
HA Atoll	7%	0%	7%	0%	0%	0%	0%	7%	0%	7%	0%	0%	0%	0%	0%	14
HDH Atoll	8%	8%	8%	0%	0%	0%	0%	8%	8%	8%	8%	8%	8%	8%	0%	13
SH Atoll	21%	7%	7%	0%	0%	7%	0%	7%	7%	0%	0%	0%	0%	7%	0%	14
N Atoll	8%	8%	8%	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	8%	0%	13
R Atoll	7%	7%	7%	0%	7%	0%	0%	7%	7%	7%	7%	0%	7%	7%	7%	15
B Atoll	15%	0%	8%	0%	0%	8%	8%	8%	0%	0%	0%	0%	0%	0%	0%	13
LH Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4
K Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9
AA Atoll	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8
ADH Atoll	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10
V Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5
M Atoll	13%	0%	13%	0%	0%	13%	0%	13%	13%	0%	0%	0%	0%	13%	0%	8
F Atoll	20%	0%	20%	0%	20%	0%	20%	0%	20%	20%	0%	0%	0%	0%	0%	5
DH Atoll	17%	0%	17%	0%	0%	17%	0%	17%	0%	0%	0%	0%	0%	0%	0%	6
TH Atoll	8%	0%	8%	0%	0%	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	13
L Atoll	10%	0%	10%	10%	10%	0%	0%	0%	10%	10%	10%	10%	0%	0%	0%	10
GA Atoll	11%	0%	11%	0%	0%	11%	0%	11%	0%	11%	0%	0%	0%	0%	0%	9
GDH Atoll	11%	11%	11%	11%	0%	11%	11%	11%	11%	11%	11%	11%	0%	11%	0%	9
GN Atoll	100%	0%	100%	0%	0%	100%	0%	100%	100%	0%	100%	0%	0%	0%	0%	1
S Atoll	25%	25%	25%	0%	25%	25%	0%	25%	25%	25%	25%	25%	25%	25%	25%	4
Facility type																
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	83%	100%	50%	67%	33%	17%	83%	100%	100%	100%	83%	67%	83%	33%	6
Hospital L2	89%	22%	89%	0%	0%	56%	11%	78%	22%	33%	11%	0%	0%	22%	0%	9
Hospital L1	57%	0%	29%	0%	14%	14%	14%	14%	29%	14%	0%	0%	0%	14%	0%	7
Health centre L1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57
Health centre L2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	45
Health centre L3	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	49
Health centre L4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

Of all health facilities, 13% provide major surgical services and all atolls, except for V, K and LH atolls, offer these services. In addition to the national referral hospital, all Level 3 hospitals, and the majority of the Level 1 and Level 2 hospitals provide one or more major surgical services.

3.4.2.2. Obstetric, gynaecological and family planning surgery availability

Table 97. (3.4.2.2) Percentage of facilities offering Obstetric, gynaecological and family planning surgery service by atoll and facility type

	Caesarean section	Dilatation and curettage or vacuum aspiration	Episiotomy, cervical and vaginal laceration repair	Obstetric fistula repair	Tubal ligation	Vasectomy	n
National	11%	10%	10%	9%	10%	5%	188
Atoll							
MLE	40%	40%	40%	40%	40%	40%	5
HA Atoll	7%	7%	7%	7%	14%	0%	14
HDH Atoll	8%	8%	8%	8%	8%	0%	13
SH Atoll	7%	7%	7%	7%	7%	7%	14
N Atoll	8%	8%	8%	8%	8%	0%	13
R Atoll	7%	7%	7%	7%	7%	7%	15
B Atoll	8%	8%	8%	8%	8%	8%	13
LH Atoll	25%	0%	0%	0%	0%	0%	4
K Atoll	0%	0%	0%	0%	0%	0%	9
AA Atoll	13%	0%	13%	0%	0%	0%	8
ADH Atoll	10%	10%	10%	0%	10%	0%	10
V Atoll	0%	0%	0%	0%	0%	0%	5
M Atoll	13%	13%	13%	13%	13%	13%	8
F Atoll	20%	20%	20%	0%	20%	0%	5
DH Atoll	17%	17%	17%	17%	17%	17%	6
TH Atoll	8%	8%	8%	8%	8%	8%	13
L Atoll	10%	10%	10%	10%	10%	0%	10
GA Atoll	11%	11%	11%	11%	11%	11%	9
GDH Atoll	22%	11%	11%	11%	11%	11%	9
GN Atoll	100%	100%	100%	100%	100%	0%	1
S Atoll	25%	25%	25%	25%	25%	0%	4
Facility type							
Referral hospital	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	100%	50%	6
Hospital L2	100%	89%	89%	89%	89%	56%	9
Hospital L1	57%	43%	43%	14%	43%	14%	7
Health centre L1	0%	0%	0%	0%	0%	0%	57
Health centre L2	0%	0%	2%	0%	0%	0%	45
Health centre L3	0%	0%	0%	0%	2%	0%	49
Health centre L4	8%	0%	0%	0%	0%	0%	13
Other	0%	0%	0%	0%	0%	0%	1

Except for K and V atolls, all atolls have a facility that provides caesarean section, including the national referral hospital, and Level 2 and Level 3 hospitals. However, fewer hospitals provide dilatation and curettage or vacuum aspiration (10%), episiotomy, cervical and vaginal laceration repair (10%), obstetric fistula repair (9%), tubal ligation (10%) and vasectomy (5%).

3.4.2.3. Paediatric surgery availability in the past three months

Table 98. (3.4.2.3) Percentage of facilities offering paediatric surgery service by atoll and facility type

	Any neonatal or paediatric surgical procedures	Cleft lip and palate repair	Club foot repair	Congenital hernia repair	Paediatric escharotomy/fasciotomy contracture release	Paediatric intussusception reduction	n
National	5%	1%	1%	1%	1%	1%	188
MLE	20%	20%	20%	20%	20%	20%	5
HA Atoll	7%	0%	0%	0%	0%	0%	14
HDH Atoll	0%	0%	0%	0%	0%	0%	13
SH Atoll	0%	0%	0%	0%	0%	0%	14
N Atoll	8%	0%	0%	0%	0%	0%	13
R Atoll	0%	0%	0%	7%	0%	0%	15
B Atoll	0%	0%	0%	0%	0%	0%	13
LH Atoll	0%	0%	0%	0%	0%	0%	4
K Atoll	0%	0%	0%	0%	0%	0%	9
AA Atoll	0%	0%	0%	0%	0%	0%	8
ADH Atoll	0%	0%	0%	0%	0%	0%	10
V Atoll	0%	0%	0%	0%	0%	0%	5
M Atoll	13%	0%	0%	0%	0%	0%	8
F Atoll	20%	0%	0%	0%	0%	0%	5
DH Atoll	0%	0%	0%	0%	0%	0%	6
TH Atoll	8%	0%	0%	0%	0%	0%	13
L Atoll	0%	0%	0%	0%	0%	0%	10
GA Atoll	11%	0%	0%	0%	0%	0%	9
GDH Atoll	11%	0%	0%	0%	0%	0%	9
GN Atoll	100%	0%	0%	0%	0%	0%	1
S Atoll	25%	0%	0%	0%	0%	0%	4
Referral hospital	100%	100%	100%	100%	100%	100%	1
Hospital L3	33%	0%	0%	17%	0%	0%	6
Hospital L2	56%	0%	0%	0%	0%	0%	9
Hospital L1	29%	0%	0%	0%	0%	0%	7
Health centre L1	0%	0%	0%	0%	0%	0%	57
Health centre L2	0%	0%	0%	0%	0%	0%	45
Health centre L3	0%	0%	0%	0%	0%	0%	49
Health centre L4	0%	0%	0%	0%	0%	0%	13
Other	0%	0%	0%	0%	0%	0%	1

Paediatric surgery is provided at fewer hospitals, with only the national referral hospital providing any surgical services for cleft lip and palate repair, club foot repair, congenital hernia repair, paediatric escharotomy/fasciotomy contracture release or paediatric intussusception reduction.

The essential services readiness indicators show that among the 24 facilities providing surgical services, 43% of the staff and guideline items are available at the facilities of which less than half (42%) have surgical safety checklists, 13% have trained staff in general surgery and 75% have staff trained in anaesthesia. While most of the facilities have equipment (over 70%) for most items, none of the facilities has paediatric intubation equipment or cricothyroidotomy sets, resulting in an average of 67% of the equipment being available at the facilities. Similarly, while most of the facilities have the medications for essential surgery, few items, such as epinephrine, are available only at 8% of the facilities, resulting in an average of 61% of the medicines and commodities being available at the facilities.

3.4.2.5. Essential surgery readiness

Table 99. (3.4.2.5) Percentage of facilities with essential surgery service readiness items by atoll and facility type

	Staff and guidelines				Equipment								
	WHO surgical safety checklist	Staff trained in general surgery	Staff trained in general anaesthesia	Mean proportion of staff and guideline items at facilities	Basic operating table	Overhead operating light	Examination light to aim at surgical site	Basic set of surgical instruments	Cricothyroidotomy set	Blood pressure apparatus	Stethoscope	Cardiac monitor and ECG electrodes	n
National	42%	13%	75%	43%	83%	83%	79%	71%	0%	96%	96%	75%	24
Atoll													
MLE	67%	0%	67%	44%	100%	100%	100%	100%	0%	100%	100%	67%	3
HA Atoll	100%	0%	100%	67%	100%	100%	100%	100%	0%	100%	100%	100%	1
HDH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	1
SH Atoll	0%	0%	33%	11%	33%	33%	33%	33%	0%	67%	67%	33%	3
N Atoll	100%	0%	100%	67%	100%	100%	100%	0%	0%	100%	100%	100%	1
R Atoll	0%	0%	100%	33%	100%	100%	100%	100%	0%	100%	100%	100%	1
B Atoll	0%	0%	50%	17%	100%	100%	100%	0%	0%	100%	100%	50%	2
AA Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	2
ADH Atoll	100%	0%	100%	67%	100%	100%	100%	100%	0%	100%	100%	100%	1
M Atoll	0%	0%	100%	33%	100%	100%	100%	100%	0%	100%	100%	100%	1
F Atoll	0%	100%	100%	67%	100%	100%	100%	100%	0%	100%	100%	100%	1
DH Atoll	100%	0%	100%	67%	100%	100%	100%	100%	0%	100%	100%	100%	1
TH Atoll	0%	0%	100%	33%	100%	100%	100%	100%	0%	100%	100%	100%	1
L Atoll	0%	100%	100%	67%	100%	100%	100%	100%	0%	100%	100%	100%	1
GA Atoll	0%	0%	100%	33%	100%	100%	100%	100%	0%	100%	100%	100%	1
GDH Atoll	100%	0%	100%	67%	100%	100%	100%	100%	0%	100%	100%	100%	1
GN Atoll	100%	0%	100%	67%	100%	100%	100%	100%	0%	100%	100%	100%	1
S Atoll	100%	0%	100%	67%	100%	100%	0%	100%	0%	100%	100%	100%	1
Facility type													
Referral hospital	100%	0%	100%	67%	100%	100%	100%	100%	0%	100%	100%	100%	1
Hospital L3	67%	33%	100%	67%	100%	100%	83%	100%	0%	100%	100%	100%	6
Hospital L2	50%	0%	100%	50%	100%	100%	88%	75%	0%	100%	100%	100%	8
Hospital L1	25%	25%	75%	42%	100%	100%	100%	100%	0%	100%	100%	75%	4
Health centre L1	0%	0%	0%	0%	50%	50%	100%	0%	0%	100%	100%	0%	2
Health centre L2	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	2
Health centre L3	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	1

3.4.2.5. Essential surgery readiness (continued)

Table 99. (3.4.2.5) Percentage of facilities with essential surgery service readiness items by atoll and facility type

Equipment													
	Defibrillator	Anaesthesia machine	Capnograph	Gasometre	Intubation equipment (adult)	Intubation equipment (paediatric)	Resuscitation bag and mask (adult, paediatric and neonatal)	Suction apparatus with catheter	Thermometer	Tourniquet	Spinal needle	Mean proportion of equipment items at facilities	n
National	75%	75%	29%	38%	63%	0%	63%	88%	96%	88%	75%	67%	24
Atoll													
MLE	100%	67%	67%	33%	67%	0%	67%	100%	100%	100%	67%	75%	3
HA Atoll	100%	100%	0%	0%	100%	0%	100%	100%	100%	100%	100%	79%	1
HDH Atoll	100%	100%	100%	0%	100%	0%	0%	100%	100%	100%	100%	79%	1
SH Atoll	33%	33%	33%	0%	33%	0%	33%	33%	67%	67%	33%	35%	3
N Atoll	100%	100%	0%	100%	0%	0%	100%	100%	100%	100%	100%	74%	1
R Atoll	100%	100%	100%	100%	0%	0%	100%	100%	100%	0%	100%	79%	1
B Atoll	50%	50%	0%	0%	50%	0%	0%	100%	100%	100%	50%	55%	2
AA Atoll	0%	0%	0%	0%	0%	0%	0%	50%	100%	100%	0%	24%	2
ADH Atoll	0%	100%	0%	0%	100%	0%	100%	100%	100%	100%	100%	74%	1
M Atoll	100%	100%	0%	100%	100%	0%	100%	100%	100%	100%	100%	84%	1
F Atoll	100%	100%	0%	0%	100%	0%	100%	100%	100%	100%	100%	79%	1
DH Atoll	100%	100%	0%	0%	100%	0%	100%	100%	100%	0%	100%	74%	1
TH Atoll	100%	100%	0%	0%	100%	0%	100%	100%	100%	100%	100%	79%	1
L Atoll	100%	100%	100%	100%	0%	0%	0%	100%	100%	100%	100%	79%	1
GA Atoll	100%	100%	0%	100%	100%	0%	100%	100%	100%	100%	100%	84%	1
GDH Atoll	100%	100%	0%	100%	100%	0%	100%	100%	100%	100%	100%	84%	1
GN Atoll	100%	100%	0%	100%	100%	0%	100%	100%	100%	100%	100%	84%	1
S Atoll	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	84%	1
Facility type													
Referral hospital	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	89%	1
Hospital L3	100%	100%	83%	67%	67%	0%	67%	100%	100%	83%	100%	82%	6
Hospital L2	100%	100%	13%	38%	88%	0%	88%	100%	100%	88%	100%	78%	8
Hospital L1	75%	75%	0%	25%	75%	0%	75%	100%	100%	100%	75%	72%	4
Health centre L1	0%	0%	0%	0%	0%	0%	0%	50%	100%	100%	0%	34%	2
Health centre L2	0%	0%	0%	0%	0%	0%	0%	0%	50%	50%	0%	11%	2
Health centre L3	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	26%	1

3.4.2.5. Essential surgery readiness (continued)

Table 99. (3.4.2.5) Percentage of facilities with essential surgery service readiness items by atoll and facility type

Medicines and commodities

	Sutures with needles (any)	Disposable latex gloves (non-sterile)	Skin disinfectant	Nasogastric tubes	Urinary catheters	Atropine (injectable)	Adrenaline/ epinephrine injection	Bupivacaine (injectable)	Diazepam (injectable)	Ephedrine	Halothane	Ketamine	n
National	88%	96%	33%	88%	96%	75%	75%	50%	92%	8%	29%	54%	24
Atoll													
MLE	100%	100%	0%	100%	100%	100%	100%	67%	100%	0%	0%	67%	3
HA Atoll	100%	100%	0%	100%	100%	0%	0%	0%	100%	0%	0%	0%	1
HDH Atoll	100%	100%	0%	100%	100%	100%	100%	100%	100%	0%	0%	100%	1
SH Atoll	100%	67%	0%	67%	67%	100%	100%	33%	67%	33%	33%	33%	3
N Atoll	100%	100%	0%	100%	100%	0%	0%	0%	100%	0%	0%	0%	1
R Atoll	100%	100%	0%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
B Atoll	100%	100%	100%	100%	100%	0%	0%	0%	100%	0%	0%	0%	2
AA Atoll	0%	100%	0%	50%	100%	100%	100%	0%	100%	0%	0%	0%	2
ADH Atoll	100%	100%	0%	100%	100%	100%	100%	100%	100%	0%	0%	100%	1
M Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
F Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
DH Atoll	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	1
TH Atoll	100%	100%	100%	100%	100%	100%	100%	0%	100%	0%	0%	100%	1
L Atoll	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1
GA Atoll	0%	100%	0%	100%	100%	0%	0%	0%	100%	0%	0%	0%	1
GDH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
GN Atoll	100%	100%	0%	100%	100%	100%	100%	100%	100%	0%	0%	100%	1
S Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Facility type													
Referral hospital	100%	100%	0%	100%	100%	100%	100%	100%	100%	0%	0%	100%	1
Hospital L3	100%	100%	50%	100%	100%	83%	83%	83%	83%	17%	50%	83%	6
Hospital L2	88%	100%	25%	88%	100%	50%	50%	38%	100%	13%	25%	50%	8
Hospital L1	100%	100%	50%	100%	100%	100%	100%	75%	100%	0%	50%	75%	4
Health centre L1	100%	100%	50%	100%	100%	50%	50%	0%	50%	0%	0%	0%	2
Health centre L2	50%	50%	0%	0%	50%	100%	100%	0%	100%	0%	0%	0%	2
Health centre L3	0%	100%	0%	100%	100%	100%	100%	0%	100%	0%	0%	0%	1

3.4.2.5. Essential surgery readiness (continued)

Table 99. (3.4.2.5) Percentage of facilities with essential surgery service readiness items by atoll and facility type

Medicines and commodities

	Lidocaine	Suxamethonium	Thiopental	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	75%	29%	25%	61%	63%	0%	24
Atoll							
MLE	67%	33%	67%	67%	69%	0%	3
HA Atoll	100%	0%	0%	40%	62%	0%	1
HDH Atoll	100%	100%	0%	73%	78%	0%	1
SH Atoll	33%	33%	0%	51%	40%	0%	3
N Atoll	100%	0%	0%	40%	59%	0%	1
R Atoll	100%	0%	100%	80%	76%	0%	1
B Atoll	50%	0%	0%	43%	47%	0%	2
AA Atoll	0%	0%	0%	37%	27%	0%	2
ADH Atoll	100%	100%	0%	73%	73%	0%	1
M Atoll	100%	100%	100%	93%	84%	0%	1
F Atoll	100%	0%	100%	87%	81%	0%	1
DH Atoll	100%	0%	0%	67%	70%	0%	1
TH Atoll	100%	100%	0%	73%	73%	0%	1
L Atoll	100%	0%	0%	40%	62%	0%	1
GA Atoll	100%	0%	0%	33%	59%	0%	1
GDH Atoll	100%	0%	0%	80%	81%	0%	1
GN Atoll	100%	100%	100%	80%	81%	0%	1
S Atoll	100%	0%	0%	87%	84%	0%	1
Facility type							
Referral hospital	100%	0%	100%	73%	81%	0%	1
Hospital L3	100%	33%	33%	73%	77%	0%	6
Hospital L2	100%	38%	13%	58%	68%	0%	8
Hospital L1	75%	50%	50%	75%	71%	0%	4
Health centre L1	0%	0%	0%	40%	34%	0%	2
Health centre L2	0%	0%	0%	30%	18%	0%	2
Health centre L3	0%	0%	0%	40%	30%	0%	1

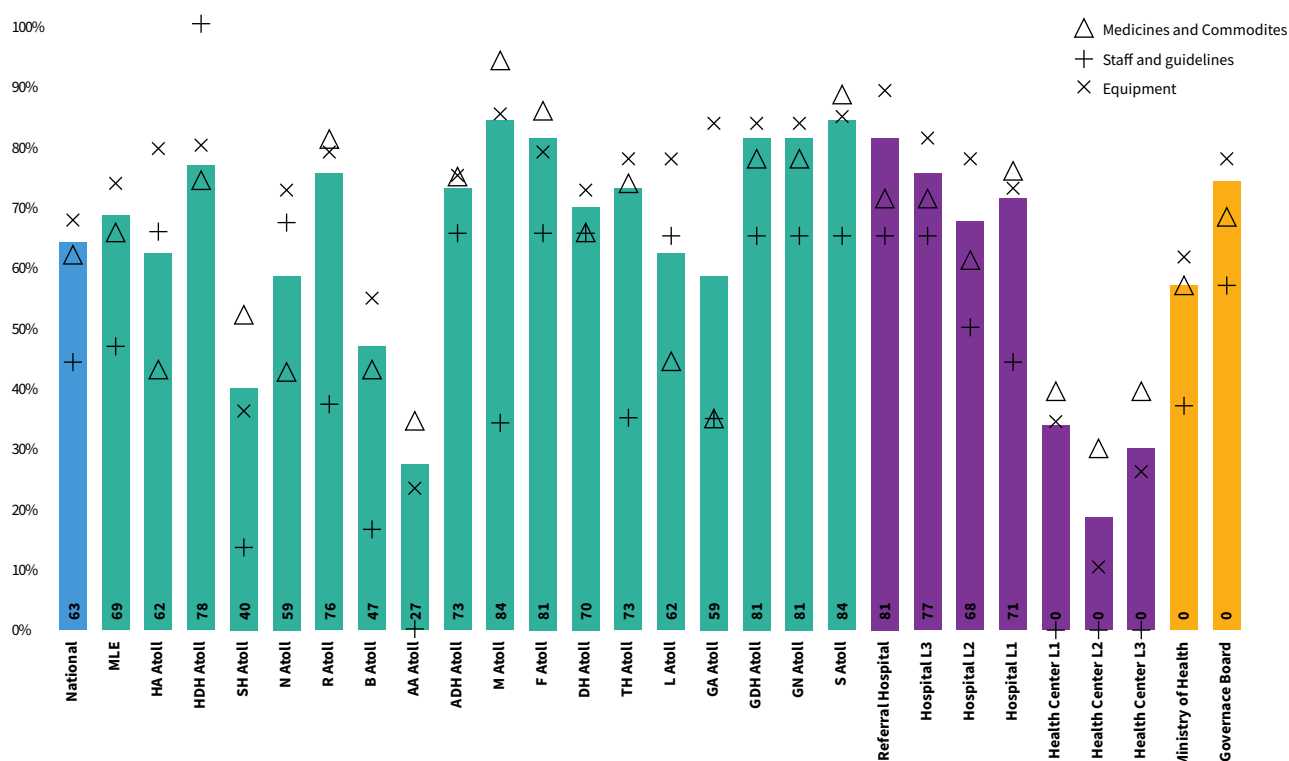


Fig. 105. Essential surgery readiness: mean proportion of all items at facilities by atoll and facility type

3.4.2.6. Essential surgery auxiliary indicators

Table 100. (3.4.2.6) Percentage of facilities offering major surgery with auxiliary items by atoll and facility type

	A marked point for surgical infection preventive practices	A defined closed space for storage of sterile items	A separate room for pre-operative care	A separate recovery room	24-hour (onsite or on-call) surgeon	24-hour (onsite or on-call) anaesthetist	Midazolam injection	Nitrous oxide (gas)	Isoflurane, desflurane or sevoflurane	Atracurium (injection)	n
National	67%	88%	54%	50%	38%	42%	63%	42%	46%	50%	24
Atoll											
MLE	67%	67%	67%	67%	33%	33%	100%	67%	67%	67%	3
HA Atoll	100%	100%	0%	100%	0%	100%	0%	0%	0%	0%	1
HDH Atoll	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	1
SH Atoll	33%	67%	0%	0%	33%	33%	33%	33%	33%	33%	3
N Atoll	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%	1
R Atoll	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	1
B Atoll	50%	100%	0%	0%	0%	0%	0%	0%	0%	0%	2
AA Atoll	50%	50%	50%	0%	0%	0%	0%	0%	0%	0%	2
ADH Atoll	100%	100%	0%	100%	0%	0%	100%	100%	0%	100%	1
M Atoll	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
F Atoll	0%	100%	100%	0%	100%	100%	100%	0%	100%	0%	1
DH Atoll	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	1
TH Atoll	100%	100%	100%	0%	100%	100%	100%	0%	0%	100%	1
L Atoll	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	1
GA Atoll	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	1
GDH Atoll	100%	100%	0%	0%	100%	100%	100%	0%	100%	100%	1
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	100%	100%	100%	100%	0%	0%	100%	100%	100%	100%	1
Facility type											
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	83%	100%	83%	83%	33%	33%	83%	67%	83%	83%	6
Hospital L2	100%	100%	50%	50%	63%	75%	63%	38%	38%	50%	8
Hospital L1	25%	100%	50%	50%	50%	50%	100%	50%	50%	50%	4
Health centre L1	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	2
Health centre L2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2
Health centre L3	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1

Surgical services auxiliary indicators show that 67% of the facilities follow a marked point for surgical infection prevention; these include the national referral hospital and 83% of the Level 3 and all Level 2 hospitals. The majority (88%) of the hospitals have separate storage areas for sterile items, 54% have separate rooms for pre-operative care and 50% have a separate room for recovery. Onsite or on-call, surgeons and anaesthetists are available only at the national referral hospital and select hospitals. At the time of the assessment, 63% of the facilities reported availability of midazolam injection, 42% reported availability of nitrous oxide (gas), 46% had isoflurane, desflurane or sevoflurane and 50% had atracurium (injection).

3.4.2.7. Essential surgery auxiliary indicators – infection prevention and control in surgical area

Table 101. (3.4.2.7) Percentage of facilities offering major surgery with auxiliary items for infection prevention and control in surgical area by atoll and facility type

	Hand hygiene items	Disposable latex gloves (non-sterile)	Disposable latex gloves (sterile)	Single-use standard disposable or auto-disable syringes	Environmental disinfectant	Appropriate storage of sharps waste	Appropriate storage of sharps waste and no non-protected sharps	Appropriate storage of non-sharp infectious waste	Appropriate storage of biological waste	Appropriate storage of infectious waste and no non-protected infectious waste	Surgical/respiratory masks	Particulate respirators/ N95 face masks	n
National	83%	96%	96%	96%	96%	96%	71%	88%	83%	79%	96%	83%	24
Atoll													
MLE	100%	100%	100%	100%	100%	100%	67%	100%	100%	100%	100%	100%	3
HA Atoll	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	100%	100%	1
HDH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
SH Atoll	67%	67%	67%	67%	67%	67%	67%	33%	33%	33%	67%	67%	3
N Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
R Atoll	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
B Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	2
AA Atoll	100%	100%	100%	100%	100%	100%	50%	100%	100%	50%	100%	100%	2
ADH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
M Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
F Atoll	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	1
DH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	1
TH Atoll	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	100%	0%	1
L Atoll	0%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	1
GA Atoll	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	1
GDH Atoll	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	50%	100%	100%	100%	100%	100%	100%	100%	83%	100%	100%	83%	6
Hospital L2	100%	100%	100%	100%	100%	100%	63%	88%	88%	75%	100%	75%	8
Hospital L1	100%	100%	100%	100%	100%	100%	50%	100%	100%	100%	100%	100%	4
Health centre L1	100%	100%	100%	100%	100%	100%	100%	50%	50%	50%	100%	100%	2
Health centre L2	50%	50%	50%	50%	50%	50%	0%	50%	50%	0%	50%	50%	2
Health centre L3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Managing authority													
Ministry of Health	94%	94%	94%	94%	94%	94%	63%	81%	81%	69%	94%	81%	16
Governance Board	63%	100%	100%	100%	100%	100%	88%	100%	88%	100%	100%	88%	8

3.4.2.7. Essential surgery auxiliary indicators – infection prevention and control in surgical area

Table 101. (3.4.2.7) Percentage of facilities offering major surgery with auxiliary items for infection prevention and control in surgical area by atoll and facility type

	Hand hygiene items	Disposable latex gloves (non-sterile)	Disposable latex gloves (sterile)	Single-use standard disposable or auto-disable syringes	Environmental disinfectant	Appropriate storage of sharps waste	Appropriate storage of sharps waste and no non-protected sharps	Appropriate storage of non-sharp infectious waste	Appropriate storage of biological waste	Appropriate storage of infectious waste and no non-protected infectious waste	Surgical/respiratory masks	Particulate respirators/ N95 face masks	n
National	83%	96%	96%	96%	96%	96%	71%	88%	83%	79%	96%	83%	24
Atoll													
MLE	100%	100%	100%	100%	100%	100%	67%	100%	100%	100%	100%	100%	3
HA Atoll	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	100%	100%	1
HDH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
SH Atoll	67%	67%	67%	67%	67%	67%	67%	33%	33%	33%	67%	67%	3
N Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
R Atoll	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
B Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	2
AA Atoll	100%	100%	100%	100%	100%	100%	50%	100%	100%	50%	100%	100%	2
ADH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
M Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
F Atoll	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	1
DH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	1
TH Atoll	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	100%	0%	1
L Atoll	0%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	1
GA Atoll	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	1
GDH Atoll	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	50%	100%	100%	100%	100%	100%	100%	100%	83%	100%	100%	83%	6
Hospital L2	100%	100%	100%	100%	100%	100%	63%	88%	88%	75%	100%	75%	8
Hospital L1	100%	100%	100%	100%	100%	100%	50%	100%	100%	100%	100%	100%	4
Health centre L1	100%	100%	100%	100%	100%	100%	100%	50%	50%	50%	100%	100%	2
Health centre L2	50%	50%	50%	50%	50%	50%	0%	50%	50%	0%	50%	50%	2
Health centre L3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Managing authority													
Ministry of Health	94%	94%	94%	94%	94%	94%	63%	81%	81%	69%	94%	81%	16
Governance Board	63%	100%	100%	100%	100%	100%	88%	100%	88%	100%	100%	88%	8

3.4.2.7. Essential surgery auxiliary indicators – infection prevention and control in surgical area (continued)

Table 101. (3.4.2.7) Percentage of facilities offering major surgery with auxiliary items for infection prevention and control in surgical area by atoll and facility type

	Eye protection	Hair covers	Aprons (impermeable)	Protective gowns (sterile)	Gumboots or clogs	Patient toilet areas functional with no obvious contaminated waste	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	79%	88%	92%	88%	83%	75%	87%	29%	24
Atoll									
MLE	100%	100%	100%	67%	100%	67%	94%	33%	3
HA Atoll	100%	100%	100%	100%	100%	100%	78%	0%	1
HDH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	1
SH Atoll	67%	67%	67%	67%	67%	67%	61%	33%	3
N Atoll	100%	100%	100%	100%	100%	100%	100%	100%	1
R Atoll	100%	100%	100%	100%	100%	100%	94%	0%	1
B Atoll	100%	50%	100%	100%	100%	0%	92%	0%	2
AA Atoll	100%	100%	100%	100%	100%	50%	92%	0%	2
ADH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	1
M Atoll	100%	100%	100%	100%	100%	100%	100%	100%	1
F Atoll	100%	100%	100%	100%	100%	0%	89%	0%	1
DH Atoll	0%	100%	100%	100%	100%	100%	89%	0%	1
TH Atoll	0%	0%	0%	0%	0%	100%	56%	0%	1
L Atoll	0%	100%	100%	100%	0%	100%	72%	0%	1
GA Atoll	0%	100%	100%	100%	100%	100%	89%	0%	1
GDH Atoll	100%	100%	100%	100%	100%	100%	94%	0%	1
GN Atoll	100%	100%	100%	100%	0%	100%	94%	0%	1
S Atoll	100%	100%	100%	100%	100%	100%	100%	100%	1
Facility type									
Referral hospital	100%	100%	100%	0%	100%	100%	94%	0%	1
Hospital L3	83%	100%	100%	100%	83%	100%	94%	50%	6
Hospital L2	63%	88%	88%	88%	75%	88%	88%	25%	8
Hospital L1	100%	100%	100%	100%	100%	50%	94%	50%	4
Health centre L1	100%	50%	100%	100%	100%	50%	86%	0%	2
Health centre L2	50%	50%	50%	50%	50%	50%	44%	0%	2
Health centre L3	100%	100%	100%	100%	100%	0%	94%	0%	1
Managing authority									
Ministry of Health	75%	81%	88%	88%	81%	69%	84%	25%	16
Governance Board	88%	100%	100%	88%	88%	88%	93%	38%	8

Infection prevention in surgical areas shows that 83% of the facilities have all hand hygiene items in the surgical areas and 96% have single-use standard disposable or auto-disable syringes, environmental disinfectants and appropriate storage for sharps. Furthermore, 71% of the facilities have appropriate storage for sharps waste and no non-protected sharps; 88% have appropriate storage for non-sharp infectious waste; 83% have appropriate storage for biological waste; and 79% have appropriate storage for infectious waste, and no non-protected infectious waste. Surgical/respiratory masks are available at 96% of the facility’s surgical areas and particulate respirators/N95 face masks are available at 83% of the facilities. The mean proportion of all items at the facilities is 87% and 24% of the facilities have all items for infection control in surgical areas.

3.4.3. Blood transfusion

3.4.3.1. Blood transfusion service availability

Table 102. (3.4.3.1) Percentage of facilities offering blood transfusion service by atoll and facility type

Blood transfusion services		
National	52%	188
Atoll		
MLE	80%	5
HA Atoll	50%	14
HDH Atoll	54%	13
SH Atoll	64%	14
N Atoll	69%	13
R Atoll	67%	15
B Atoll	38%	13
LH Atoll	75%	4
K Atoll	33%	9
AA Atoll	38%	8
ADH Atoll	20%	10
V Atoll	20%	5
M Atoll	50%	8
F Atoll	80%	5
DH Atoll	50%	6
TH Atoll	54%	13
L Atoll	50%	10
GA Atoll	44%	9
GDH Atoll	56%	9
GN Atoll	100%	1
S Atoll	25%	4
Facility type		
Referral hospital	100%	1
Hospital L3	100%	6
Hospital L2	100%	9
Hospital L1	100%	7
Health centre L1	16%	57
Health centre L2	38%	45
Health centre L3	80%	49
Health centre L4	62%	13
Other	100%	1

Blood transfusion services are available at about half (52%) of the facilities, including all hospitals and the majority of the health centres, and in all atolls. Readiness indicators show only 24% of the facilities have guidelines on appropriate use of blood and safe blood transfusion, and only 14% have had staff trained in appropriate use of blood and blood safety in the past two years, resulting in 20% of the guidelines and staff being available at the facilities. At the facilities, 50% of the diagnostic items and 70% of the medicines and commodities are available.

Percentage of facilities offering blood transfusion services by atoll

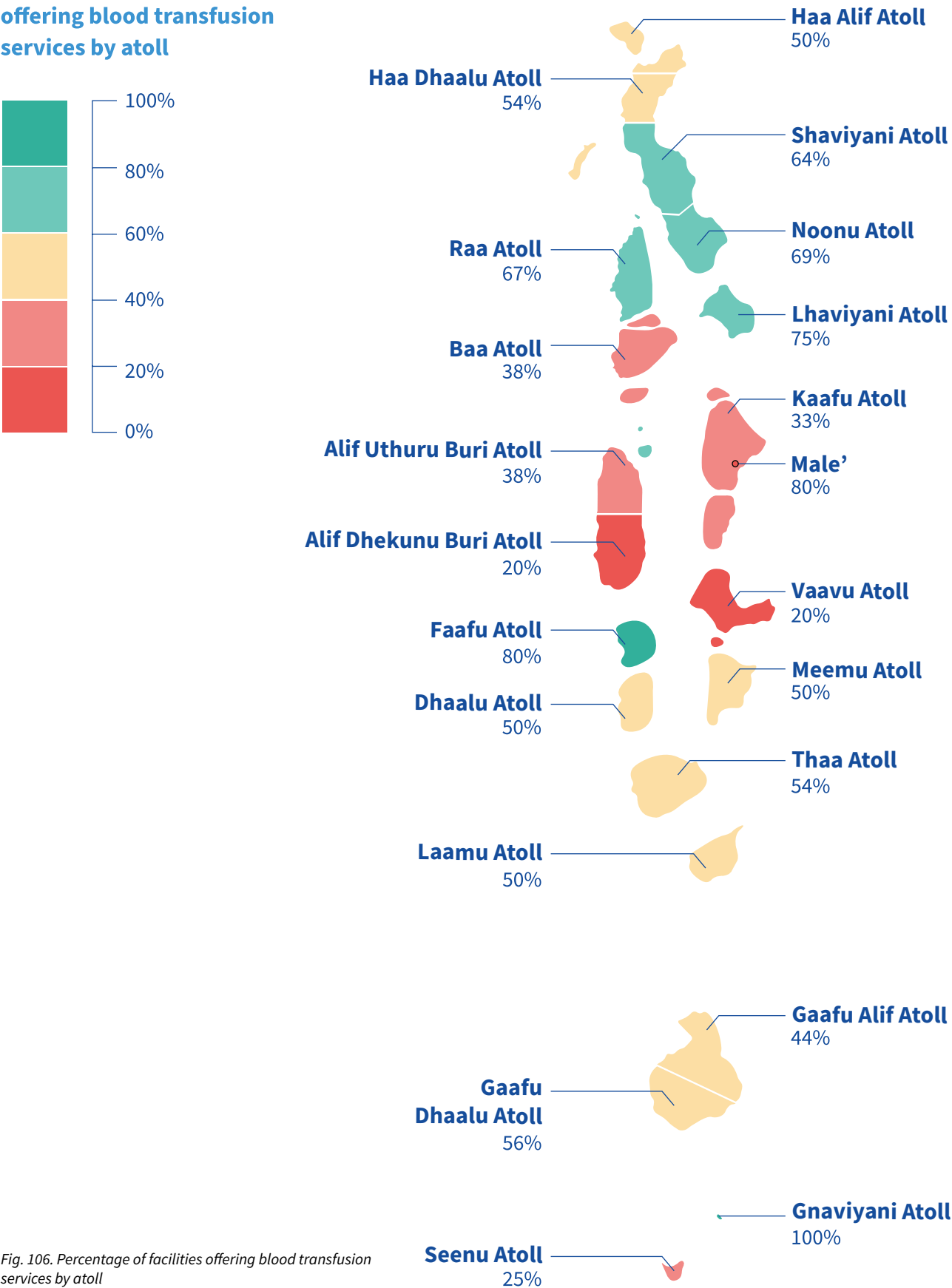


Fig. 106. Percentage of facilities offering blood transfusion services by atoll

3.4.3.2. Blood transfusion service readiness

Table 103. (3.4.3.2) Percentage of facilities with blood transfusion service readiness items by atoll and facility type

	Staff and guidelines		Equipment		Diagnostics		Medicines and commodities						
	Guidelines on appropriate use of blood and safe blood transfusion	Staff trained in appropriate use of blood and safe blood transfusion	Mean proportion of staff and guideline items at facilities	Blood storage refrigerator functioning and temperature in the required range for the last 30 days	Blood typing capacity	Cross-match testing capacity	Mean proportion of diagnostic items at facilities	Blood supply sufficiency	Blood supply safety	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	26%	14%	20%	0%	53%	47%	50%	91%	49%	70%	40%	0%	97
Atoll													
MLE	100%	0%	50%	0%	75%	50%	63%	100%	75%	88%	57%	0%	4
HA Atoll	14%	14%	14%	0%	86%	86%	86%	100%	71%	86%	53%	0%	7
HDH Atoll	14%	57%	36%	0%	100%	71%	86%	71%	14%	43%	47%	0%	7
SH Atoll	22%	0%	11%	0%	67%	44%	56%	100%	56%	78%	41%	0%	9
N Atoll	11%	33%	22%	0%	22%	33%	28%	89%	44%	67%	33%	0%	9
R Atoll	10%	0%	5%	0%	80%	60%	70%	100%	50%	75%	43%	0%	10
B Atoll	20%	20%	20%	0%	80%	60%	70%	100%	20%	60%	43%	0%	5
LH Atoll	0%	0%	0%	0%	33%	67%	50%	100%	100%	100%	43%	0%	3
K Atoll	0%	0%	0%	0%	33%	33%	33%	33%	67%	50%	24%	0%	3
AA Atoll	67%	0%	33%	0%	33%	67%	50%	100%	67%	83%	48%	0%	3
ADH Atoll	0%	50%	25%	0%	50%	50%	50%	100%	50%	75%	43%	0%	2
V Atoll	0%	0%	0%	0%	0%	0%	0%	100%	0%	50%	14%	0%	1
M Atoll	25%	0%	13%	0%	50%	25%	38%	100%	100%	100%	43%	0%	4
F Atoll	25%	0%	13%	0%	0%	25%	13%	100%	0%	50%	21%	0%	4
DH Atoll	100%	33%	67%	0%	67%	67%	67%	100%	33%	67%	57%	0%	3
TH Atoll	29%	14%	21%	0%	14%	14%	14%	86%	29%	57%	27%	0%	7
L Atoll	20%	0%	10%	0%	0%	20%	10%	80%	40%	60%	23%	0%	5
GA Atoll	25%	0%	13%	0%	50%	50%	50%	100%	0%	50%	32%	0%	4
GDH Atoll	40%	0%	20%	0%	40%	20%	30%	60%	100%	80%	37%	0%	5
GN Atoll	0%	100%	50%	0%	100%	100%	100%	100%	100%	100%	71%	0%	1
S Atoll	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	86%	0%	1
Facility type													
Referral hospital	100%	0%	50%	0%	100%	100%	100%	100%	0%	50%	57%	0%	1
Hospital L3	100%	33%	67%	0%	67%	100%	83%	100%	83%	92%	69%	0%	6
Hospital L2	22%	22%	22%	0%	89%	100%	94%	100%	56%	78%	56%	0%	9
Hospital L1	43%	0%	21%	0%	29%	57%	43%	100%	71%	86%	43%	0%	7
Health centre L1	11%	0%	6%	0%	22%	22%	22%	89%	44%	67%	27%	0%	9
Health centre L2	12%	18%	15%	0%	41%	29%	35%	88%	41%	65%	33%	0%	17
Health centre L3	21%	15%	18%	0%	51%	36%	44%	90%	38%	64%	36%	0%	39
Health centre L4	13%	13%	13%	0%	75%	63%	69%	75%	75%	75%	45%	0%	8
Other	100%	0%	50%	0%	100%	0%	50%	100%	100%	100%	57%	0%	1

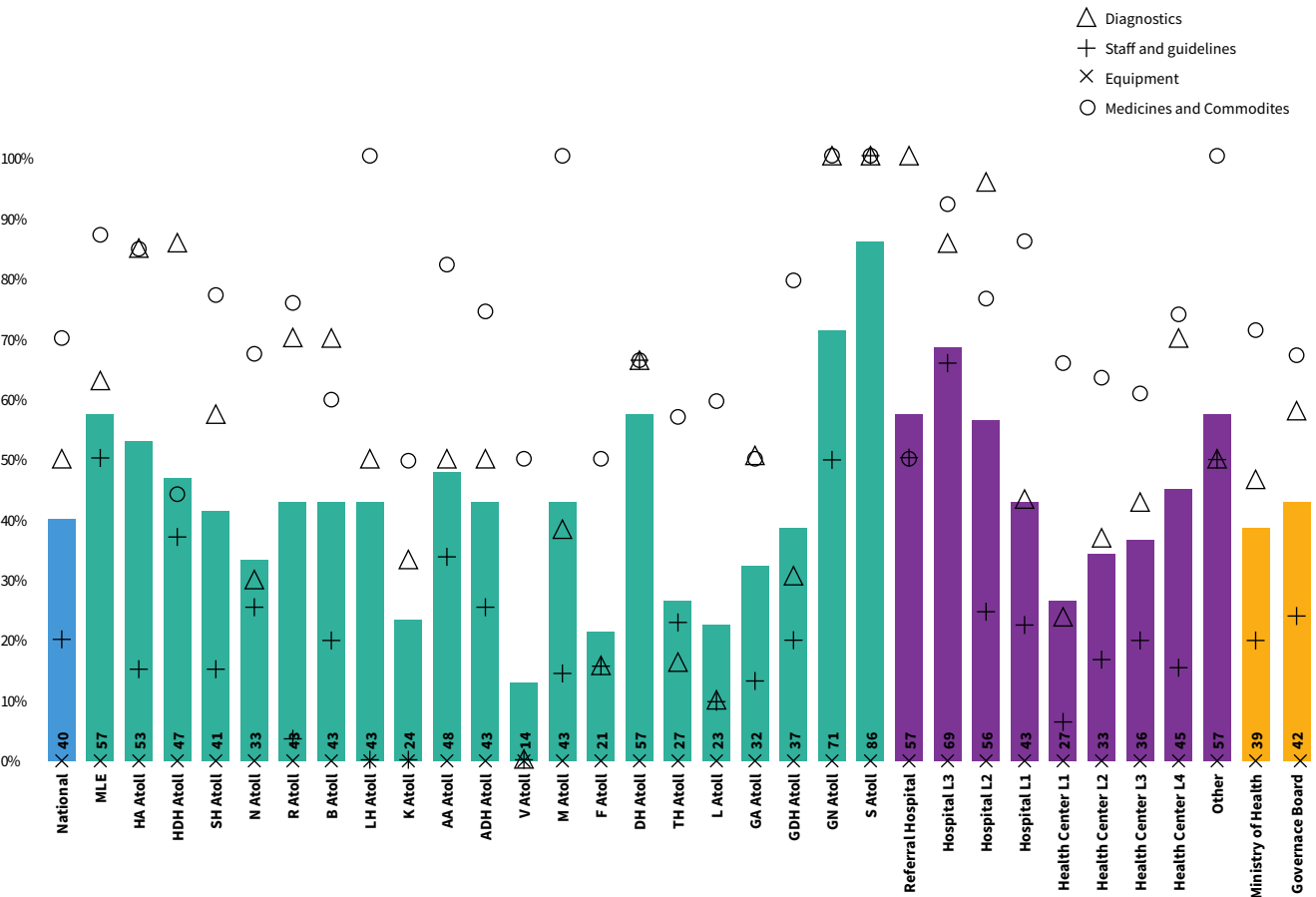


Fig. 107. Blood transfusion service readiness: mean proportion of all items at facilities by atoll and facility type

3.4.4. Oxygen services

3.4.4.1. Oxygen availability (in the surgical service site)

Table 104. (3.4.4.1) Percentage of facilities offering oxygen services in the surgical service site by atoll and facility type

Ever provide oxygen in the surgery service area		
National	13%	157
Atoll		
MLE	67%	3
HA Atoll	7%	14
HDH Atoll	8%	13
SH Atoll	15%	13
N Atoll	8%	13
R Atoll	7%	15
B Atoll	20%	10
LH Atoll	0%	4
K Atoll	0%	7
AA Atoll	14%	7
ADH Atoll	14%	7
V Atoll	0%	5
M Atoll	14%	7
F Atoll	0%	5
DH Atoll	17%	6
TH Atoll	33%	3
L Atoll	20%	5
GA Atoll	11%	9
GDH Atoll	17%	6
GN Atoll	100%	1
S Atoll	25%	4
Facility type		
Referral hospital	100%	1
Hospital L3	100%	6
Hospital L2	89%	9
Hospital L1	29%	7
Health centre L1	4%	47
Health centre L2	3%	35
Health centre L3	0%	43
Health centre L4	0%	9

Oxygen services in surgical areas are available at 13% of the facilities, consistent with the facilities providing major surgical services; 90% of all items for oxygen service readiness (reliable oxygen supply) are available at the facilities.

3.4.4.2. Oxygen readiness (in surgical service site)

Table 105. (3.4.4.2) Percentage of facilities with oxygen services in the surgical service site readiness items by atoll and facility type

	Reliable oxygen services	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	90%	90%	90%	20
Atoll				
MLE	50%	50%	50%	2
HA Atoll	100%	100%	100%	1
HDH Atoll	100%	100%	100%	1
SH Atoll	100%	100%	100%	2
N Atoll	100%	100%	100%	1
R Atoll	0%	0%	0%	1
B Atoll	100%	100%	100%	2
AA Atoll	100%	100%	100%	1
ADH Atoll	100%	100%	100%	1
M Atoll	100%	100%	100%	1
DH Atoll	100%	100%	100%	1
TH Atoll	100%	100%	100%	1
L Atoll	100%	100%	100%	1
GA Atoll	100%	100%	100%	1
GDH Atoll	100%	100%	100%	1
GN Atoll	100%	100%	100%	1
S Atoll	100%	100%	100%	1
Facility type				
Referral hospital	100%	100%	100%	1
Hospital L3	67%	67%	67%	6
Hospital L2	100%	100%	100%	8
Hospital L1	100%	100%	100%	2
Health centre L1	100%	100%	100%	2
Health centre L2	100%	100%	100%	1
Managing authority				
Ministry of Health	100%	100%	100%	13
Governance Board	71%	71%	71%	7

3.5. Emergency services

3.5.1. General emergency services

3.5.1.1. Emergency service availability

Table 106. (3.5.1.1) Percentage of facilities offering emergency service by atoll and facility type

	Any emergency services as first entry to the facility	A 24-hour dedicated emergency unit	24-hour medical and nursing staff onsite in emergency unit	24-hour availability of medicines in or near emergency unit	24-hour surgical services that include surgeon and anaesthetist onsite 24 hours	24-hour rapid access to emergency transport for referral out	24-hour pharmacy services	24-hour radiological services	24-hour laboratory services	Doctor or nurse to accompany emergency patients during referral transport	Sea ambulance or other vessel for emergency transportation for clients	Staff available 24 hours for emergency services: Medical Officer	n
National	89%	11%	11%	36%	1%	31%	63%	12%	41%	38%	65%	79%	188
Atoll													
MLE	60%	60%	40%	0%	0%	60%	60%	60%	60%	20%	20%	60%	5
HA Atoll	100%	0%	0%	93%	0%	21%	57%	7%	29%	29%	93%	86%	14
HDH Atoll	100%	0%	0%	62%	8%	23%	77%	8%	54%	23%	100%	100%	13
SH Atoll	93%	14%	7%	57%	0%	14%	29%	7%	50%	64%	79%	86%	14
N Atoll	100%	0%	23%	0%	0%	38%	92%	8%	31%	54%	54%	100%	13
R Atoll	100%	7%	0%	93%	0%	100%	100%	7%	67%	0%	100%	100%	15
B Atoll	100%	8%	15%	23%	0%	62%	85%	8%	46%	8%	77%	92%	13
LH Atoll	100%	25%	25%	50%	0%	0%	50%	25%	75%	100%	100%	75%	4
K Atoll	78%	0%	0%	22%	0%	56%	78%	22%	33%	0%	33%	67%	9
AA Atoll	100%	13%	50%	0%	0%	13%	88%	13%	38%	63%	63%	63%	8
ADH Atoll	90%	10%	0%	0%	0%	0%	30%	10%	10%	40%	80%	70%	10
V Atoll	100%	20%	0%	20%	0%	0%	60%	20%	20%	60%	60%	100%	5
M Atoll	100%	0%	0%	88%	0%	63%	100%	13%	50%	50%	75%	100%	8
F Atoll	100%	0%	0%	60%	0%	0%	40%	0%	20%	100%	60%	100%	5
DH Atoll	100%	0%	0%	0%	0%	50%	100%	17%	50%	83%	33%	83%	6
TH Atoll	62%	23%	23%	8%	0%	0%	46%	8%	23%	0%	62%	46%	13
L Atoll	10%	0%	20%	0%	10%	10%	10%	10%	20%	0%	10%	20%	10
GA Atoll	100%	22%	0%	11%	0%	11%	33%	11%	44%	100%	22%	56%	9
GDH Atoll	100%	22%	11%	11%	0%	11%	67%	11%	67%	67%	44%	89%	9
GN Atoll	100%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	1
S Atoll	100%	75%	50%	75%	0%	75%	25%	25%	50%	0%	50%	50%	4
Facility type													
Referral hospital	100%	100%	100%	0%	0%	100%	100%	100%	100%	0%	0%	100%	1
Hospital L3	100%	67%	50%	50%	33%	67%	100%	100%	100%	33%	83%	100%	6
Hospital L2	100%	33%	56%	22%	0%	22%	67%	100%	100%	56%	100%	100%	9
Hospital L1	100%	43%	43%	14%	0%	43%	100%	71%	100%	57%	86%	100%	7
Health centre L1	88%	0%	4%	37%	0%	28%	65%	0%	7%	28%	60%	77%	57
Health centre L2	91%	0%	2%	40%	0%	27%	60%	2%	27%	40%	64%	78%	45
Health centre L3	90%	16%	12%	35%	0%	39%	63%	0%	67%	41%	65%	78%	49
Health centre L4	77%	15%	0%	38%	0%	15%	31%	8%	46%	46%	54%	62%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1

The majority of the facilities (98%) provide some form of emergency services at first entry and 79% have a Medical Officer available 24 hours for emergency services. However, only 11% of the facilities have a dedicated emergency unit, including onsite nursing staff, and 12% have 24-hour radiological services. Not all Level 3 hospitals have dedicated emergency units with onsite nursing staff and less than half of the Level 1 and Level 2 hospitals have dedicated emergency units. Only two Level 3 hospitals accounting for 1% of the health facilities had a surgeon and anaesthetist onsite. Medicines in or near the emergency units are found at 36% of the facilities while 31% have 24-hour rapid access to emergency transport for referral out and a doctor or a nurse to accompany emergency patients during referral transport. Furthermore, 24-hour pharmacy services are available at 63% of the facilities and 41% have 24-hour laboratory services.

Percentage of facilities offering any emergency services as first entry to the facilities by atoll

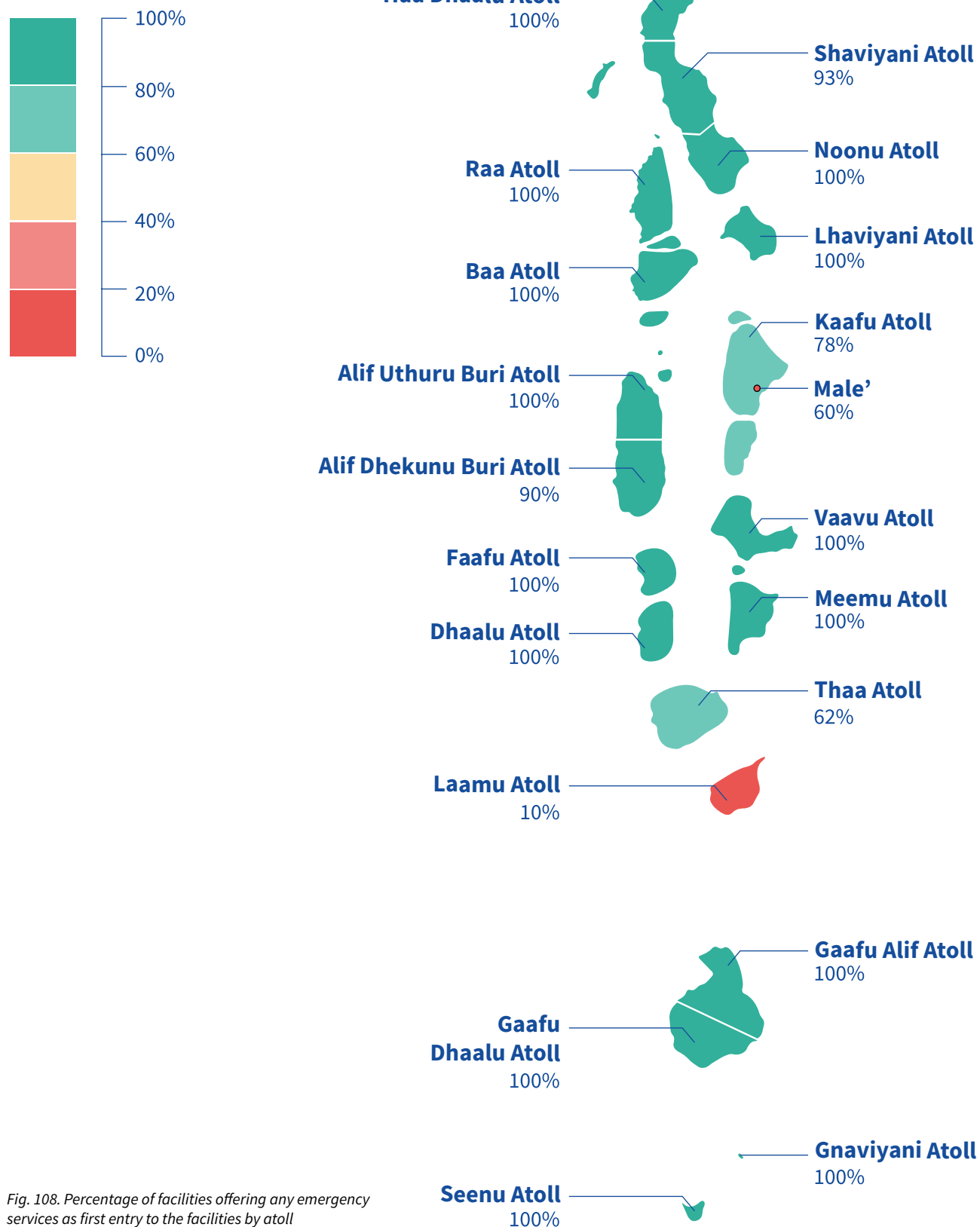


Fig. 108. Percentage of facilities offering any emergency services as first entry to the facilities by atoll

3.5.1.2. Emergency unit general readiness

Table 107. (3.5.1.2) Percentage of facilities with emergency unit general readiness items by atoll and facility

	Staff and guidelines					Equipment							n
	Protocol for initial approach to ABCs	Trauma care checklist	Core non-rotating staff assigned to emergency unit	Staff trained in emergency services	Mean proportion of staff and guideline items at facilities	Thermometer	Blood pressure apparatus	Stethoscope	Adult weighing scale	Child weighing scale	Infant weighing scale	Examination light	
National	14%	2%	10%	23%	12%	92%	94%	94%	79%	23%	23%	84%	168
Atoll													
MLE	67%	33%	100%	67%	67%	67%	100%	100%	100%	67%	67%	67%	3
HA Atoll	7%	0%	0%	7%	4%	100%	100%	100%	79%	21%	21%	71%	14
HDH Atoll	8%	0%	8%	77%	23%	100%	100%	100%	100%	23%	23%	100%	13
SH Atoll	0%	0%	8%	8%	4%	92%	92%	92%	77%	54%	54%	85%	13
N Atoll	0%	0%	0%	15%	4%	100%	100%	100%	92%	15%	15%	92%	13
R Atoll	20%	0%	7%	60%	22%	100%	100%	100%	100%	7%	7%	100%	15
B Atoll	0%	0%	8%	8%	4%	85%	85%	85%	85%	23%	23%	77%	13
LH Atoll	50%	0%	25%	0%	19%	100%	100%	100%	75%	25%	25%	75%	4
K Atoll	0%	0%	14%	0%	4%	86%	86%	86%	71%	14%	14%	86%	7
AA Atoll	13%	0%	25%	0%	9%	88%	88%	88%	88%	38%	38%	75%	8
ADH Atoll	44%	0%	11%	44%	25%	100%	100%	89%	67%	11%	11%	78%	9
V Atoll	0%	0%	0%	0%	0%	100%	100%	100%	80%	40%	40%	80%	5
M Atoll	13%	0%	0%	25%	9%	100%	100%	100%	100%	13%	13%	100%	8
F Atoll	0%	0%	20%	20%	10%	80%	100%	100%	100%	40%	40%	80%	5
DH Atoll	67%	0%	17%	0%	21%	100%	100%	100%	83%	0%	0%	100%	6
TH Atoll	13%	13%	0%	38%	16%	88%	88%	88%	38%	25%	25%	50%	8
L Atoll	0%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	1
GA Atoll	11%	0%	0%	11%	6%	67%	67%	78%	56%	22%	22%	67%	9
GDH Atoll	11%	11%	11%	0%	8%	78%	89%	89%	44%	22%	22%	89%	9
GN Atoll	100%	0%	0%	0%	25%	100%	100%	100%	100%	0%	0%	100%	1
S Atoll	0%	0%	25%	50%	19%	100%	100%	100%	25%	0%	0%	100%	4
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	50%	17%	67%	67%	50%	100%	100%	100%	100%	33%	33%	83%	6
Hospital L2	44%	11%	22%	22%	25%	100%	100%	100%	89%	44%	44%	89%	9
Hospital L1	43%	0%	29%	14%	21%	71%	100%	100%	71%	43%	43%	86%	7
Health centre L1	4%	0%	8%	14%	7%	96%	96%	94%	94%	16%	16%	88%	50
Health centre L2	15%	0%	2%	20%	9%	98%	98%	98%	73%	20%	20%	80%	41
Health centre L3	7%	0%	2%	32%	10%	82%	86%	86%	66%	20%	20%	86%	44
Health centre L4	10%	0%	10%	20%	10%	100%	90%	100%	70%	30%	30%	60%	10

3.5.1.2. Emergency unit general readiness (continued)

Table 107. (3.5.1.2) Percentage of facilities with emergency unit general readiness items by atoll and facility

	Equipment							Diagnostics					
	Otoscope	Ophthalmoscope	Oro- and nasopharyngeal airways (adult)	Oro- and nasopharyngeal airways (paediatric)	Intubation set (adult)	Intubation set (paediatric)	Minor surgical kit	Mean proportion of equipment items at facilities	Urine dipstick for glucose/protein/ketones	Urine pregnancy test	Blood glucose test	Malaria RDT	n
National	71%	38%	27%	22%	35%	23%	20%	52%	26%	27%	82%	5%	168
Atoll													
MLE	100%	100%	67%	67%	100%	100%	67%	83%	100%	33%	100%	0%	3
HA Atoll	50%	43%	14%	14%	43%	14%	21%	49%	0%	7%	79%	0%	14
HDH Atoll	100%	46%	8%	8%	23%	8%	23%	54%	0%	0%	100%	0%	13
SH Atoll	69%	38%	8%	8%	15%	15%	8%	51%	23%	15%	92%	0%	13
N Atoll	77%	31%	15%	8%	23%	15%	0%	49%	15%	23%	85%	0%	13
R Atoll	100%	47%	7%	7%	7%	7%	20%	50%	7%	13%	67%	7%	15
B Atoll	77%	54%	54%	54%	23%	8%	0%	52%	38%	31%	92%	15%	13
LH Atoll	25%	0%	25%	0%	50%	25%	25%	46%	25%	25%	75%	0%	4
K Atoll	71%	43%	0%	0%	57%	29%	0%	46%	29%	29%	100%	0%	7
AA Atoll	88%	25%	13%	13%	50%	25%	13%	52%	25%	38%	88%	0%	8
ADH Atoll	89%	44%	67%	56%	78%	78%	44%	65%	78%	67%	89%	11%	9
V Atoll	100%	40%	40%	40%	20%	20%	20%	59%	40%	80%	100%	20%	5
M Atoll	63%	25%	13%	13%	13%	13%	25%	49%	0%	0%	50%	0%	8
F Atoll	80%	20%	60%	20%	40%	20%	20%	57%	20%	40%	80%	0%	5
DH Atoll	67%	33%	67%	67%	33%	17%	0%	55%	17%	17%	100%	0%	6
TH Atoll	25%	25%	38%	13%	13%	13%	25%	39%	63%	75%	63%	13%	8
L Atoll	0%	0%	100%	0%	100%	100%	0%	57%	100%	100%	100%	0%	1
GA Atoll	33%	11%	33%	33%	44%	44%	44%	44%	11%	11%	67%	11%	9
GDH Atoll	78%	44%	11%	11%	44%	22%	11%	47%	56%	56%	78%	11%	9
GN Atoll	100%	100%	0%	0%	100%	0%	100%	64%	0%	0%	0%	0%	1
S Atoll	25%	25%	100%	75%	75%	75%	75%	63%	50%	0%	75%	0%	4
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	0%	1
Hospital L3	83%	67%	83%	67%	100%	83%	50%	77%	33%	17%	83%	0%	6
Hospital L2	56%	33%	44%	44%	100%	89%	44%	70%	22%	22%	78%	22%	9
Hospital L1	71%	43%	86%	86%	100%	86%	57%	74%	57%	57%	100%	29%	7
Health centre L1	84%	42%	20%	16%	24%	14%	12%	51%	14%	14%	82%	2%	50
Health centre L2	76%	44%	24%	20%	24%	17%	15%	50%	29%	39%	83%	2%	41
Health centre L3	55%	23%	20%	11%	20%	7%	16%	43%	27%	23%	84%	2%	44
Health centre L4	70%	30%	10%	10%	40%	20%	20%	49%	40%	50%	60%	10%	10

3.5.1.2. Emergency unit general readiness (continued)

Table 107. (3.5.1.2) Percentage of facilities with emergency unit general readiness items by atoll and facility

	Equipment										Diagnostics					
	HIV rapid test	Mean proportion of diagnostic items at facilities	Adrenaline/ epinephrine injection	Atropine injection	Calcium gluconate injection	Glucose 50% injection	Sodium bicarbonate injection	Infusion set	Dextrose 5% IV solution	Volume replacement IV solution	Oxygen with tubing, flowmeter and humidifier	Lidocaine 1% or 2%	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	20%	32%	65%	67%	44%	11%	48%	73%	70%	73%	78%	49%	58%	46%	0%	168
Atoll																
MLE	33%	53%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	80%	76%	0%	3
HA Atoll	0%	17%	64%	71%	43%	0%	71%	57%	50%	50%	86%	93%	59%	42%	0%	14
HDH Atoll	0%	20%	38%	46%	15%	0%	15%	46%	46%	46%	100%	100%	45%	43%	0%	13
SH Atoll	15%	29%	46%	38%	38%	8%	23%	54%	54%	54%	100%	62%	48%	41%	0%	13
N Atoll	31%	31%	46%	46%	31%	0%	31%	46%	46%	46%	69%	0%	36%	37%	0%	13
R Atoll	13%	21%	73%	87%	40%	0%	60%	93%	100%	100%	100%	100%	75%	50%	0%	15
B Atoll	31%	42%	69%	77%	54%	23%	46%	92%	85%	92%	23%	23%	58%	47%	0%	13
LH Atoll	25%	30%	100%	100%	50%	50%	50%	100%	100%	100%	100%	75%	83%	52%	0%	4
K Atoll	29%	37%	71%	86%	43%	14%	43%	86%	86%	86%	100%	43%	66%	45%	0%	7
AA Atoll	25%	35%	88%	75%	50%	13%	63%	88%	88%	88%	38%	13%	60%	47%	0%	8
ADH Atoll	56%	60%	89%	56%	33%	11%	56%	89%	89%	89%	67%	0%	58%	57%	0%	9
V Atoll	20%	52%	40%	40%	40%	20%	40%	40%	40%	40%	80%	20%	40%	45%	0%	5
M Atoll	0%	10%	25%	38%	38%	13%	50%	50%	50%	50%	100%	88%	50%	39%	0%	8
F Atoll	40%	36%	80%	80%	80%	80%	40%	100%	80%	100%	0%	60%	70%	52%	0%	5
DH Atoll	0%	27%	83%	83%	83%	0%	67%	83%	83%	83%	100%	0%	67%	50%	0%	6
TH Atoll	50%	53%	50%	75%	75%	38%	75%	75%	75%	75%	38%	13%	59%	44%	0%	8
L Atoll	100%	80%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	80%	61%	0%	1
GA Atoll	0%	20%	67%	56%	33%	0%	44%	67%	33%	67%	100%	11%	48%	37%	0%	9
GDH Atoll	33%	47%	89%	89%	22%	11%	33%	78%	78%	78%	78%	67%	62%	47%	0%	9
GN Atoll	0%	0%	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	80%	55%	0%	1
S Atoll	0%	25%	100%	75%	50%	0%	75%	100%	100%	100%	100%	100%	80%	57%	0%	4
Facility type																
Referral hospital	0%	40%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	80%	85%	0%	1
Hospital L3	17%	30%	100%	100%	100%	0%	100%	100%	100%	100%	100%	50%	85%	69%	0%	6
Hospital L2	33%	36%	100%	100%	89%	33%	89%	100%	100%	100%	89%	33%	83%	63%	0%	9
Hospital L1	57%	60%	100%	100%	86%	57%	86%	100%	100%	100%	86%	14%	83%	68%	0%	7
Health centre L1	4%	23%	54%	58%	32%	6%	34%	64%	56%	62%	72%	50%	49%	41%	0%	50
Health centre L2	27%	36%	56%	51%	29%	7%	39%	63%	63%	63%	73%	51%	50%	43%	0%	41
Health centre L3	20%	31%	68%	73%	41%	9%	48%	77%	75%	80%	82%	52%	60%	42%	0%	44
Health centre L4	40%	40%	70%	70%	70%	20%	60%	70%	70%	70%	80%	70%	65%	48%	0%	10

Emergency unit readiness indicators show that only 14% have protocols for initial approach to airway, breathing and circulation(ABC); 2% have trauma care checklists; 10% have core non-rotating staff assigned to emergency units; and 23% have had staff trained in emergency services in the past two years. On average, 52% have equipment for emergency units with only 20%–35% having oro- and nasopharyngeal airways (paediatric and adult) and intubation sets (adult and paediatric). A little more than half of the medicines (58%) are available while on average, a third (32%) of the diagnostic items are available at the emergency units. The national referral hospital has 85% of all items for emergency service readiness while hospitals at Levels 1, 2 and 3 have 63%–69% of the items; the health centres have 41%–48% of the items for emergency services. None of the facilities has all items for emergency unit readiness.

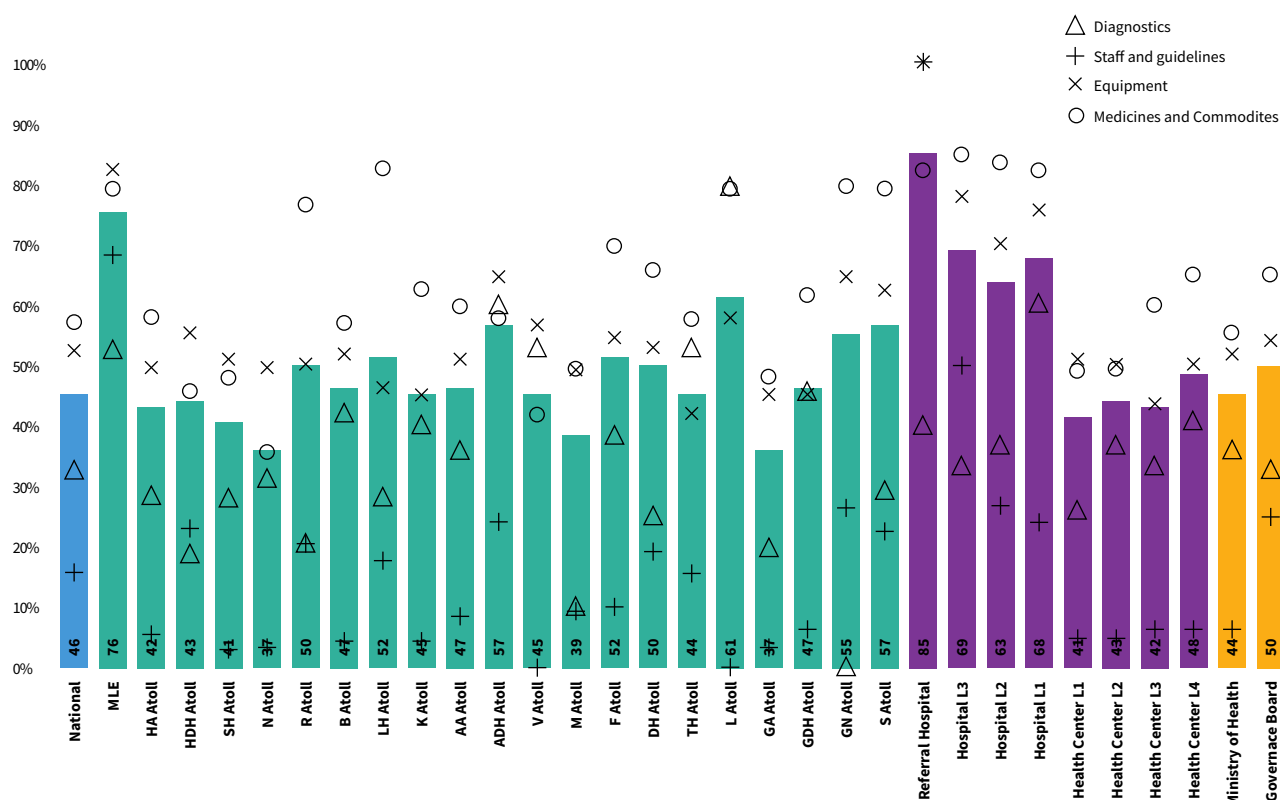


Fig. 109. Emergency unit general readiness: mean proportion of all items at facilities by atoll and facility type

Emergency unit general readiness: Mean proportion of all items at facilities by atoll

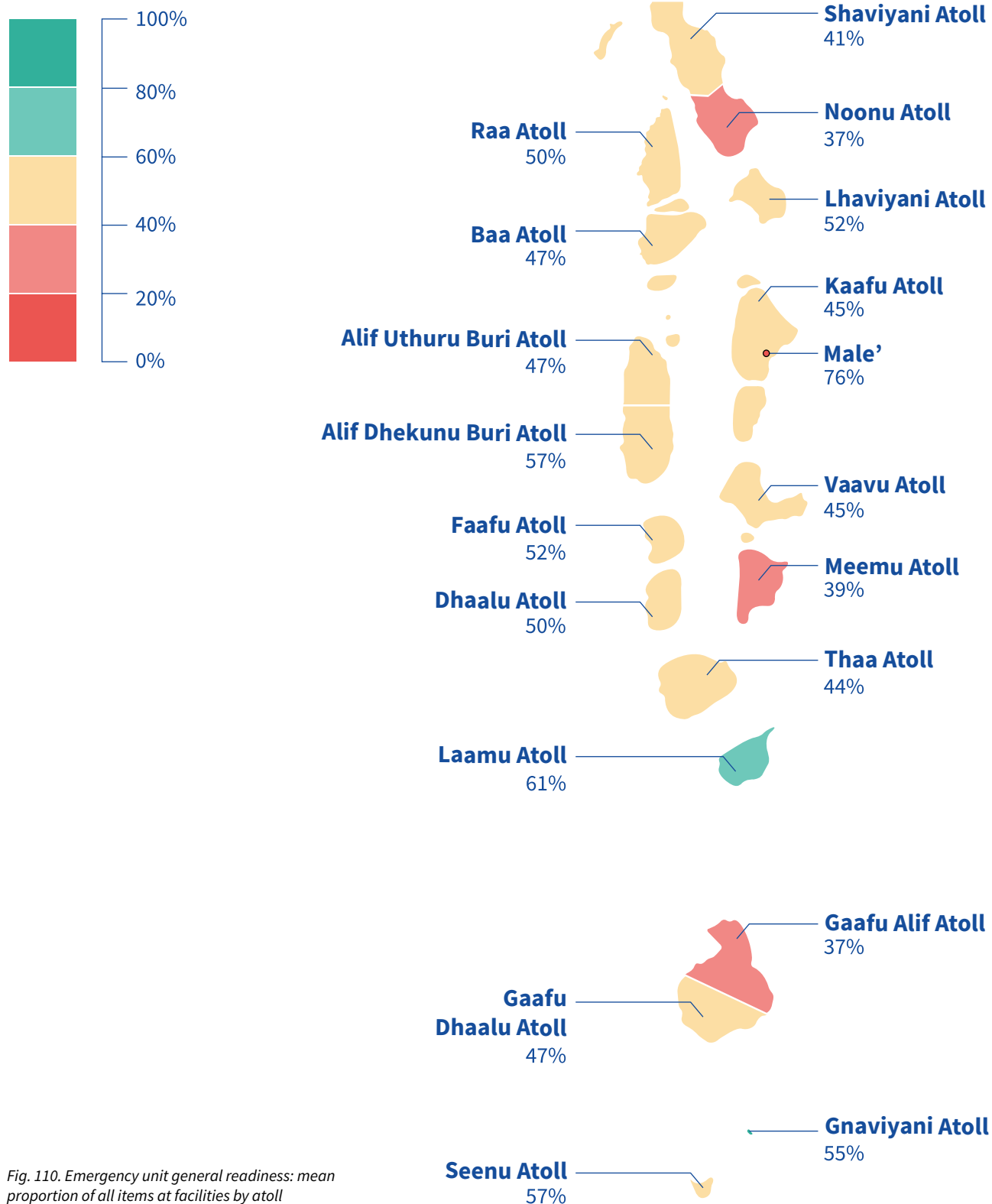


Fig. 110. Emergency unit general readiness: mean proportion of all items at facilities by atoll

3.5.1.3. Emergency unit auxiliary indicators – infrastructure

Table 108. (3.5.1.3) Percentage of facilities offering emergency unit infrastructure items by atoll and facility type

	Designated waiting area	Designated triage area	Designated resuscitation area	Isolation room for infectious diseases	Functional telephone or radio	Functional electricity	Back-up source for electricity	Toilet for emergency unit patients/visitors with handwashing	Toilet for emergency unit staff with handwashing	n
National	19%	1%	7%	1%	56%	99%	17%	54%	30%	168
Atoll										
MLE	67%	67%	100%	33%	100%	100%	67%	100%	67%	3
HA Atoll	7%	0%	0%	0%	7%	100%	14%	86%	29%	14
HDH Atoll	0%	0%	8%	0%	62%	100%	23%	31%	8%	13
SH Atoll	15%	0%	0%	0%	15%	100%	8%	69%	23%	13
N Atoll	15%	0%	0%	0%	54%	92%	0%	92%	62%	13
R Atoll	0%	0%	0%	0%	100%	100%	7%	7%	7%	15
B Atoll	23%	0%	0%	0%	38%	100%	23%	85%	77%	13
LH Atoll	25%	0%	0%	0%	75%	100%	0%	75%	25%	4
K Atoll	14%	0%	0%	0%	71%	100%	14%	43%	14%	7
AA Atoll	25%	0%	13%	0%	75%	88%	13%	88%	63%	8
ADH Atoll	11%	0%	0%	0%	78%	100%	11%	33%	11%	9
V Atoll	0%	0%	0%	0%	0%	100%	0%	60%	0%	5
M Atoll	25%	0%	0%	0%	88%	100%	13%	13%	13%	8
F Atoll	60%	0%	20%	0%	40%	100%	40%	40%	20%	5
DH Atoll	33%	0%	0%	0%	100%	100%	0%	17%	17%	6
TH Atoll	13%	0%	13%	0%	38%	100%	50%	38%	13%	8
L Atoll	100%	0%	0%	0%	100%	100%	100%	100%	100%	1
GA Atoll	22%	0%	22%	0%	56%	100%	11%	22%	22%	9
GDH Atoll	56%	0%	11%	0%	56%	100%	22%	78%	56%	9
GN Atoll	0%	0%	0%	0%	100%	100%	100%	100%	100%	1
S Atoll	25%	0%	25%	0%	50%	100%	25%	50%	25%	4
Facility type										
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	33%	17%	33%	0%	100%	100%	100%	83%	67%	6
Hospital L2	11%	0%	11%	0%	67%	100%	67%	78%	44%	9
Hospital L1	43%	0%	43%	0%	71%	100%	57%	86%	71%	7
Health centre L1	12%	0%	0%	0%	46%	100%	0%	58%	34%	50
Health centre L2	20%	0%	0%	0%	44%	98%	5%	49%	24%	41
Health centre L3	20%	0%	7%	0%	64%	98%	16%	41%	16%	44
Health centre L4	20%	0%	10%	0%	70%	100%	20%	50%	30%	10

3.5.1.4. Emergency unit auxiliary indicators – triage

Table 109. (3.5.1.4) Percentage of facilities offering emergency unit triage items by atoll and facility type

	A formal triage system	Structured triage tool used 24/7	Guidelines for paediatric triage	Staff trained in using triage tool	Guidelines for triage of pregnant women	Measurement of vital signs in triage area	n
National	5%	4%	4%	2%	2%	24%	168
MLE	67%	33%	33%	33%	33%	67%	3
HA Atoll	0%	0%	0%	7%	0%	21%	14
HDH Atoll	0%	0%	0%	0%	0%	0%	13
SH Atoll	8%	8%	8%	0%	8%	15%	13
N Atoll	0%	0%	0%	0%	0%	54%	13
R Atoll	0%	0%	0%	0%	0%	0%	15
B Atoll	15%	15%	15%	0%	0%	23%	13
LH Atoll	0%	0%	0%	0%	0%	75%	4
K Atoll	0%	0%	0%	0%	0%	0%	7
AA Atoll	13%	0%	0%	0%	0%	50%	8
ADH Atoll	0%	0%	0%	0%	0%	56%	9
V Atoll	0%	0%	0%	0%	0%	0%	5
M Atoll	13%	13%	13%	0%	0%	13%	8
F Atoll	0%	0%	0%	0%	0%	40%	5
DH Atoll	0%	0%	0%	0%	17%	0%	6
TH Atoll	0%	0%	0%	0%	0%	50%	8
L Atoll	0%	0%	0%	0%	0%	0%	1
GA Atoll	0%	0%	0%	0%	0%	33%	9
GDH Atoll	0%	0%	0%	11%	0%	0%	9
GN Atoll	0%	0%	0%	0%	0%	0%	1
S Atoll	25%	25%	25%	25%	0%	50%	4
Referral hospital	100%	100%	100%	100%	100%	100%	1
Hospital L3	33%	17%	17%	33%	0%	33%	6
Hospital L2	22%	22%	22%	0%	22%	44%	9
Hospital L1	14%	14%	14%	0%	0%	43%	7
Health centre L1	0%	0%	0%	0%	0%	16%	50
Health centre L2	2%	2%	2%	2%	0%	22%	41
Health centre L3	2%	0%	0%	0%	0%	27%	44
Health centre L4	0%	0%	0%	0%	0%	20%	10

3.5.1.5. Emergency unit auxiliary indicators – infection prevention and control (IPC)

Table 110. (3.5.1.5) Percentage of facilities offering emergency unit infection prevention and control items by atoll and facility type

	Hand hygiene items	Latex gloves	Single-use standard disposable or auto-disable syringes	Environmental disinfectant	Appropriate storage of sharps waste	Appropriate storage of non-sharp infectious waste	Appropriate storage of biological waste	Surgical/respiratory masks	Particulate respirators/ N95 face masks	Eye protection	Hair covers	Aprons (impermeable)	Protective gowns	Gumboots or clogs	n
National	65%	99%	98%	90%	96%	73%	70%	96%	85%	88%	80%	89%	85%	73%	168
Atoll															
MLE	100%	100%	100%	100%	100%	100%	100%	100%	100%	67%	100%	100%	100%	100%	3
HA Atoll	57%	100%	100%	100%	100%	29%	29%	100%	79%	79%	79%	100%	79%	86%	14
HDH Atoll	77%	100%	100%	100%	100%	77%	77%	100%	62%	92%	69%	85%	77%	31%	13
SH Atoll	85%	100%	100%	100%	100%	62%	54%	92%	92%	92%	92%	92%	92%	92%	13
N Atoll	23%	100%	100%	69%	100%	77%	77%	100%	92%	100%	69%	100%	100%	77%	13
R Atoll	53%	100%	100%	100%	100%	73%	67%	100%	93%	100%	87%	93%	93%	93%	15
B Atoll	85%	85%	85%	77%	85%	92%	85%	85%	85%	85%	77%	85%	85%	77%	13
LH Atoll	50%	100%	100%	100%	100%	75%	75%	100%	100%	50%	50%	50%	50%	50%	4
K Atoll	29%	100%	100%	100%	100%	71%	71%	100%	100%	100%	100%	100%	86%	86%	7
AA Atoll	88%	100%	100%	88%	88%	100%	100%	88%	88%	88%	88%	88%	88%	88%	8
ADH Atoll	67%	100%	100%	78%	100%	78%	67%	100%	100%	100%	100%	100%	100%	78%	9
V Atoll	60%	100%	100%	100%	80%	0%	0%	100%	100%	100%	100%	80%	100%	80%	5
M Atoll	38%	100%	100%	100%	100%	63%	88%	100%	100%	100%	100%	100%	100%	100%	8
F Atoll	60%	100%	100%	100%	100%	80%	80%	100%	80%	80%	80%	60%	80%	60%	5
DH Atoll	100%	100%	100%	83%	100%	100%	100%	100%	83%	100%	100%	100%	100%	83%	6
TH Atoll	50%	100%	88%	50%	88%	75%	75%	88%	75%	88%	88%	88%	88%	88%	8
L Atoll	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	100%	0%	0%	1
GA Atoll	67%	100%	89%	89%	78%	89%	78%	78%	56%	44%	44%	44%	44%	44%	9
GDH Atoll	78%	100%	100%	100%	100%	67%	67%	100%	89%	89%	44%	89%	67%	33%	9
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	1
S Atoll	100%	100%	100%	100%	100%	100%	75%	100%	75%	75%	100%	100%	100%	25%	4
Facility type															
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	100%	100%	100%	100%	67%	67%	50%	100%	67%	33%	6
Hospital L2	100%	100%	100%	89%	100%	89%	89%	89%	67%	78%	67%	89%	78%	56%	9
Hospital L1	100%	100%	100%	100%	100%	86%	86%	100%	100%	100%	100%	100%	100%	100%	7
Health centre L1	56%	98%	96%	86%	92%	60%	62%	96%	92%	90%	78%	88%	88%	74%	50
Health centre L2	61%	100%	100%	95%	100%	71%	66%	100%	88%	98%	90%	90%	88%	85%	41
Health centre L3	61%	98%	95%	89%	93%	80%	77%	91%	77%	80%	77%	84%	82%	68%	44
Health centre L4	60%	100%	100%	90%	100%	70%	50%	100%	90%	80%	80%	90%	80%	50%	10

A total of 168 facilities reported providing any emergency services. Infrastructure indicators at the emergency units show that 99% have electricity (but only 17% have backup electricity); 56% have functional telephones; 54% have toilets with handwashing for patients and visitors; and 30% have toilets with handwashing facilities for staff. Designated waiting areas are available at 19% of the facilities' emergency areas; only 7% have designated resuscitation areas; 1% have a designated triage area; and 1% have isolation rooms.

The triage system is poor at the majority of the facilities, with only 5% of the facilities implementing a formal triage system, 4% of the facilities using a structured triage tool 24/7 and 4% of the facilities having staff trained in using triage tool. Guidelines for paediatric triage and triage of pregnant women are available at only 2% of the facilities. Vital signs are measured in triage areas at 24% of the facilities. While the national referral hospital has all indicators, 14%–33% of the other hospitals have a triage system.

Infection control indicators at emergency units show that all hand hygiene items are available at 65% of the facilities, including all hospitals. About half of the health centres have all hand hygiene items in the emergency areas. Almost all facilities (98%) have single-use standard disposable or autodisable syringes; 90% have environmental disinfectants; 96% have appropriate storage of sharps waste; 73% have appropriate storage of non-sharp infectious waste; and 70% have appropriate storage of biological waste in the emergency areas. These include items that are available at 86%–100% of the hospitals.

3.5.2. Emergency unit signal interventions

3.5.2.1. Vital signs measurement availability

Table 111. (3.5.2.1) Percentage of facilities offering emergency services with vital signs measurement by atoll and facility type

	Vital signs measurement in emergency unit	n
National	89%	168
Atoll		
MLE	100%	3
HA Atoll	100%	14
HDH Atoll	100%	13
SH Atoll	85%	13
N Atoll	92%	13
R Atoll	93%	15
B Atoll	85%	13
LH Atoll	75%	4
K Atoll	100%	7
AA Atoll	75%	8
ADH Atoll	89%	9
V Atoll	80%	5
M Atoll	100%	8
F Atoll	80%	5
DH Atoll	100%	6
TH Atoll	75%	8
L Atoll	100%	1
GA Atoll	67%	9
GDH Atoll	78%	9
GN Atoll	100%	1
S Atoll	100%	4
Facility type		
Referral hospital	100%	1
Hospital L3	100%	6
Hospital L2	100%	9
Hospital L1	100%	7
Health centre L1	86%	50
Health centre L2	88%	41
Health centre L3	91%	44
Health centre L4	70%	10

The majority of the health facilities (89%) measure vital signs as part of emergency services; these include all hospitals and the majority of the health centres. On average, 93% of the equipment for monitoring vital signs are available at the facilities, including all hospitals at Levels 2 and 3, and the majority of the Level 1 hospitals and health centres.

Percentage of facilities offering emergency services with measurement of vital signs in emergency units by atoll

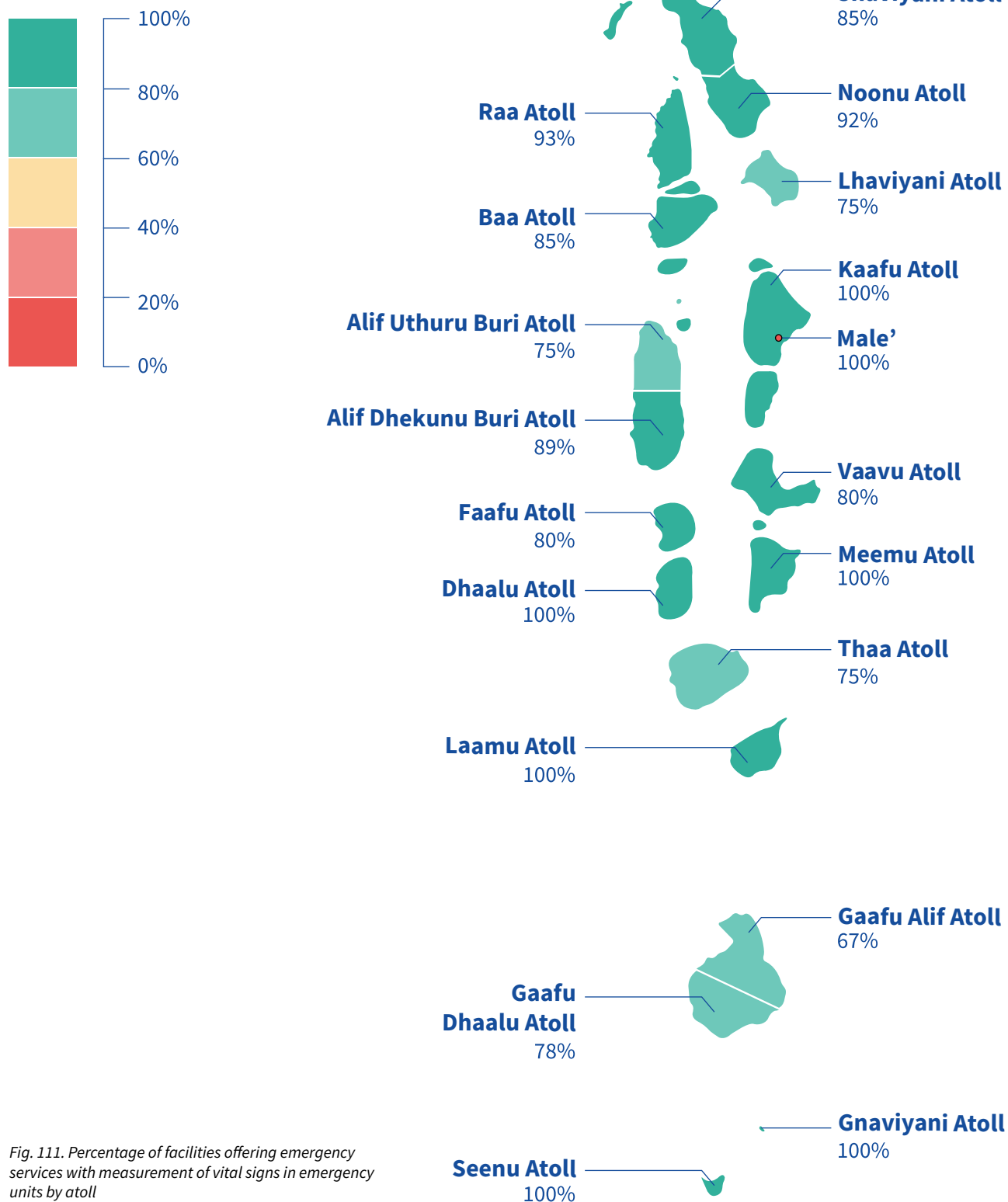


Fig. 111. Percentage of facilities offering emergency services with measurement of vital signs in emergency units by atoll

3.5.2.2. Vital signs measurement readiness

Table 112. (3.5.2.2) Percentage of facilities offering emergency services with vital signs measurement readiness items by atoll and facility type

Equipment							
	Stethoscope	Blood pressure apparatus	Thermometer	Mean proportion of equipment items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	94%	94%	92%	93%	2%	91%	168
Atoll							
MLE	100%	100%	67%	89%	89%	67%	3
HA Atoll	100%	100%	100%	100%	100%	100%	14
HDH Atoll	100%	100%	100%	100%	100%	100%	13
SH Atoll	92%	92%	92%	92%	92%	92%	13
N Atoll	100%	100%	100%	100%	100%	100%	13
R Atoll	100%	100%	100%	100%	100%	100%	15
B Atoll	85%	85%	85%	85%	85%	85%	13
LH Atoll	100%	100%	100%	100%	100%	100%	4
K Atoll	86%	86%	86%	86%	86%	86%	7
AA Atoll	88%	88%	88%	88%	88%	88%	8
ADH Atoll	89%	100%	100%	96%	96%	89%	9
V Atoll	100%	100%	100%	100%	100%	100%	5
M Atoll	100%	100%	100%	100%	100%	100%	8
F Atoll	100%	100%	80%	93%	93%	80%	5
DH Atoll	100%	100%	100%	100%	100%	100%	6
TH Atoll	88%	88%	88%	88%	88%	88%	8
L Atoll	100%	100%	100%	100%	100%	100%	1
GA Atoll	78%	67%	67%	70%	70%	56%	9
GDH Atoll	89%	89%	78%	85%	85%	78%	9
GN Atoll	100%	100%	100%	100%	100%	100%	1
S Atoll	100%	100%	100%	100%	100%	100%	4
Facility type							
Referral hospital	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	100%	100%	100%	6
Hospital L2	100%	100%	100%	100%	100%	100%	9
Hospital L1	100%	100%	71%	90%	90%	71%	7
Health centre L1	94%	96%	96%	95%	95%	94%	50
Health centre L2	98%	98%	98%	98%	98%	98%	41
Health centre L3	86%	86%	82%	85%	85%	82%	44
Health centre L4	100%	90%	100%	97%	97%	90%	10

The majority of the facilities (91%) have readiness with all items for measuring vital signs. Most of the items (93%, on average) are available at the facilities for measurement of vital signs. All Level 2 and Level 3 hospitals, and the national referral hospital have all items, but only 71% of the Level 1 hospitals have all items. Most of the health centres also have 85%–97% of the items and 82%–98% of the health centres have all items for measurement of vital signs.

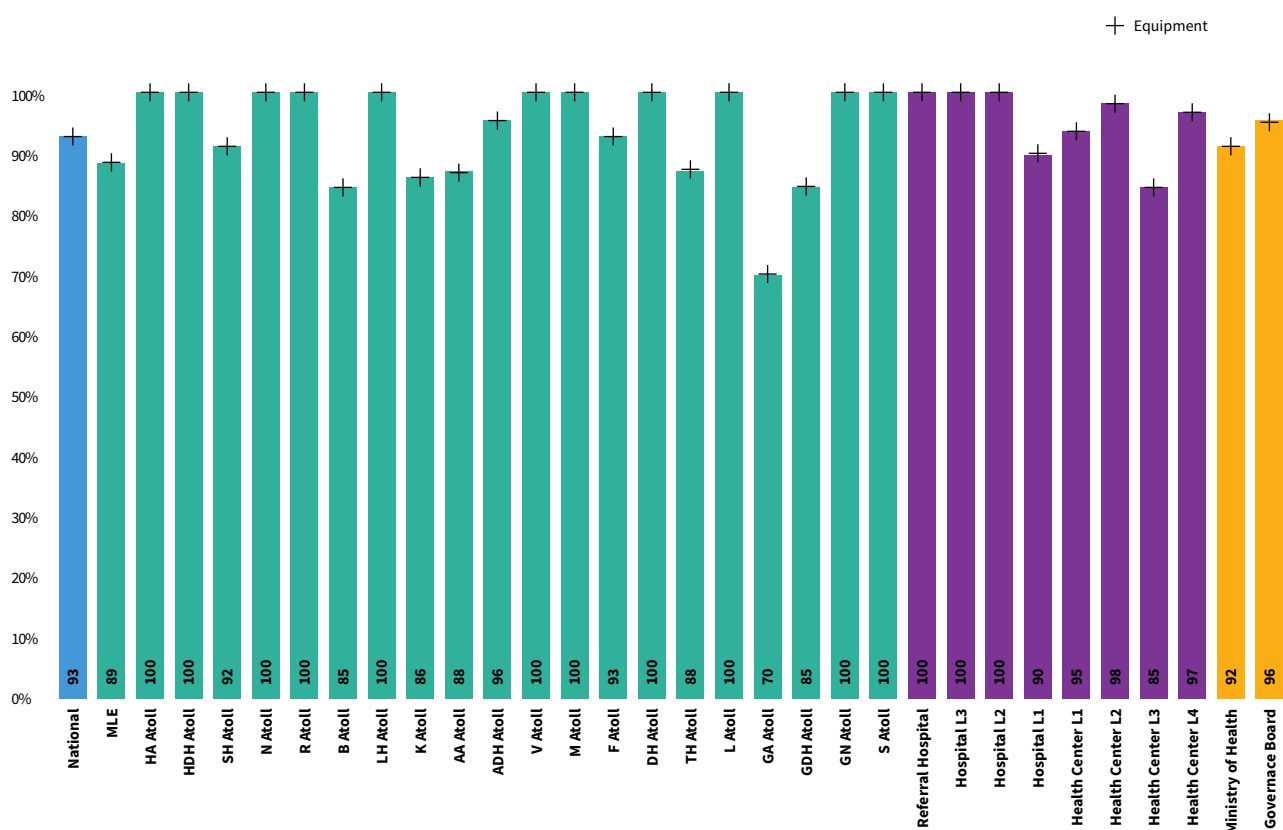


Fig. 112. Vital sign measurement readiness: mean proportion of all items at facilities by atoll and facility type

3.5.2.3. Airway intervention availability

Table 113. (3.5.2.3) Percentage of facilities offering emergency services with airway intervention by atoll and facility type

	Use of manual manoeuvres	Use of suction	Placement of oro- or nasopharyngeal airway	Placement of supraglottic device	Endotracheal intubation	Creation of surgical airway	n
National	54%	88%	66%	28%	48%	5%	168
Atoll							
MLE	100%	100%	100%	67%	100%	33%	3
HA Atoll	93%	93%	93%	7%	50%	0%	14
HDH Atoll	92%	100%	85%	23%	46%	0%	13
SH Atoll	62%	100%	77%	8%	54%	0%	13
N Atoll	31%	100%	62%	8%	23%	0%	13
R Atoll	27%	53%	27%	0%	7%	7%	15
B Atoll	62%	85%	38%	54%	31%	8%	13
LH Atoll	75%	100%	100%	100%	50%	0%	4
K Atoll	0%	86%	71%	14%	71%	0%	7
AA Atoll	38%	100%	50%	25%	50%	0%	8
ADH Atoll	89%	100%	89%	78%	89%	0%	9
V Atoll	20%	60%	40%	0%	20%	0%	5
M Atoll	13%	50%	25%	13%	13%	0%	8
F Atoll	40%	100%	60%	40%	60%	20%	5
DH Atoll	50%	100%	83%	50%	83%	0%	6
TH Atoll	38%	88%	63%	25%	63%	13%	8
L Atoll	100%	100%	100%	0%	100%	0%	1
GA Atoll	33%	100%	78%	44%	56%	11%	9
GDH Atoll	67%	78%	67%	11%	67%	22%	9
GN Atoll	100%	100%	100%	100%	100%	0%	1
S Atoll	100%	100%	100%	100%	75%	25%	4
Facility type							
Referral hospital	100%	100%	100%	100%	100%	100%	1
Hospital L3	83%	100%	100%	67%	100%	50%	6
Hospital L2	89%	100%	78%	78%	100%	33%	9
Hospital L1	71%	100%	100%	71%	100%	14%	7
Health centre L1	46%	78%	52%	20%	28%	0%	50
Health centre L2	46%	88%	61%	20%	56%	2%	41
Health centre L3	52%	93%	70%	16%	36%	0%	44
Health centre L4	70%	90%	80%	50%	50%	0%	10

Airway intervention availability indicators vary across the type of facilities. About half (54%) of the facilities provide manual manoeuvres and endotracheal intubation (48%). The majority (88%) provide suction; 66% provide placement of oro- or nasopharyngeal airway; 28% provide placement of supraglottic device; and only 5% provide creation of surgical airway. While all these services are provided at the national referral hospital, all services are not provided at all hospitals. The majority of the health centres also provide airway interventions except for creation of surgical airways, but wide variations are observed among the levels of health centres as well. Readiness indicators show that about a third (35%) of the equipment items are available at the facilities and none of the facilities has all items for readiness of airway interventions. The lowest availability is observed with regard to tracheostomy sets and intubation sets (both adult and paediatric).

3.5.2.4. Airway intervention readiness

Table 114. (3.5.2.4) Percentage of facilities offering emergency services with airway intervention readiness items by atoll and facility type

Equipment												
	Suction apparatus with suction catheter	Cricothyroidotomy or tracheostomy set	Oropharyngeal airway (adult)	Oropharyngeal airway (paediatric)	Laryngeal mask or other supra-glottic airway (adult)	Laryngeal mask or other supraglottic airway (paediatric)	Intubation set with connecting tubes (adult)	Intubation set with connecting tubes (paediatric)	Mean proportion of equipment items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	92%	1%	82%	67%	20%	15%	6%	0%	35%	35%	0%	168
Atoll												
MLE	100%	33%	100%	100%	33%	67%	33%	0%	58%	58%	0%	3
HA Atoll	93%	0%	86%	64%	0%	0%	0%	0%	30%	30%	0%	14
HDH Atoll	92%	0%	92%	54%	8%	8%	8%	0%	33%	33%	0%	13
SH Atoll	92%	0%	85%	92%	0%	8%	0%	0%	35%	35%	0%	13
N Atoll	100%	0%	62%	69%	0%	15%	0%	0%	31%	31%	0%	13
R Atoll	100%	0%	93%	93%	7%	0%	0%	0%	37%	37%	0%	15
B Atoll	69%	0%	62%	54%	15%	15%	8%	0%	28%	28%	0%	13
LH Atoll	100%	0%	50%	50%	0%	0%	0%	0%	25%	25%	0%	4
K Atoll	100%	14%	86%	71%	14%	0%	0%	0%	36%	36%	0%	7
AA Atoll	100%	0%	100%	50%	25%	0%	0%	0%	34%	34%	0%	8
ADH Atoll	100%	0%	100%	78%	56%	56%	11%	0%	50%	50%	0%	9
V Atoll	80%	0%	80%	80%	0%	0%	0%	0%	30%	30%	0%	5
M Atoll	100%	0%	63%	38%	13%	13%	13%	0%	30%	30%	0%	8
F Atoll	60%	0%	80%	20%	60%	20%	20%	0%	33%	33%	0%	5
DH Atoll	83%	0%	67%	67%	17%	0%	0%	0%	29%	29%	0%	6
TH Atoll	100%	0%	75%	50%	50%	25%	13%	0%	39%	39%	0%	8
L Atoll	100%	0%	100%	0%	0%	0%	0%	0%	25%	25%	0%	1
GA Atoll	100%	0%	89%	89%	56%	44%	11%	0%	49%	49%	0%	9
GDH Atoll	89%	0%	89%	44%	44%	22%	0%	0%	36%	36%	0%	9
GN Atoll	100%	0%	100%	100%	100%	0%	100%	0%	63%	63%	0%	1
S Atoll	75%	0%	100%	100%	50%	50%	25%	0%	50%	50%	0%	4
Facility type												
Referral hospital	100%	100%	100%	100%	100%	100%	100%	0%	88%	88%	0%	1
Hospital L3	67%	0%	100%	83%	50%	67%	33%	0%	50%	50%	0%	6
Hospital L2	100%	0%	100%	100%	56%	44%	33%	0%	54%	54%	0%	9
Hospital L1	100%	0%	100%	100%	57%	43%	43%	0%	55%	55%	0%	7
Health centre L1	88%	0%	66%	54%	10%	10%	0%	0%	28%	28%	0%	50
Health centre L2	93%	0%	88%	68%	20%	10%	0%	0%	35%	35%	0%	41
Health centre L3	95%	2%	84%	66%	11%	7%	2%	0%	34%	34%	0%	44
Health centre L4	100%	0%	90%	60%	30%	10%	0%	0%	36%	36%	0%	10

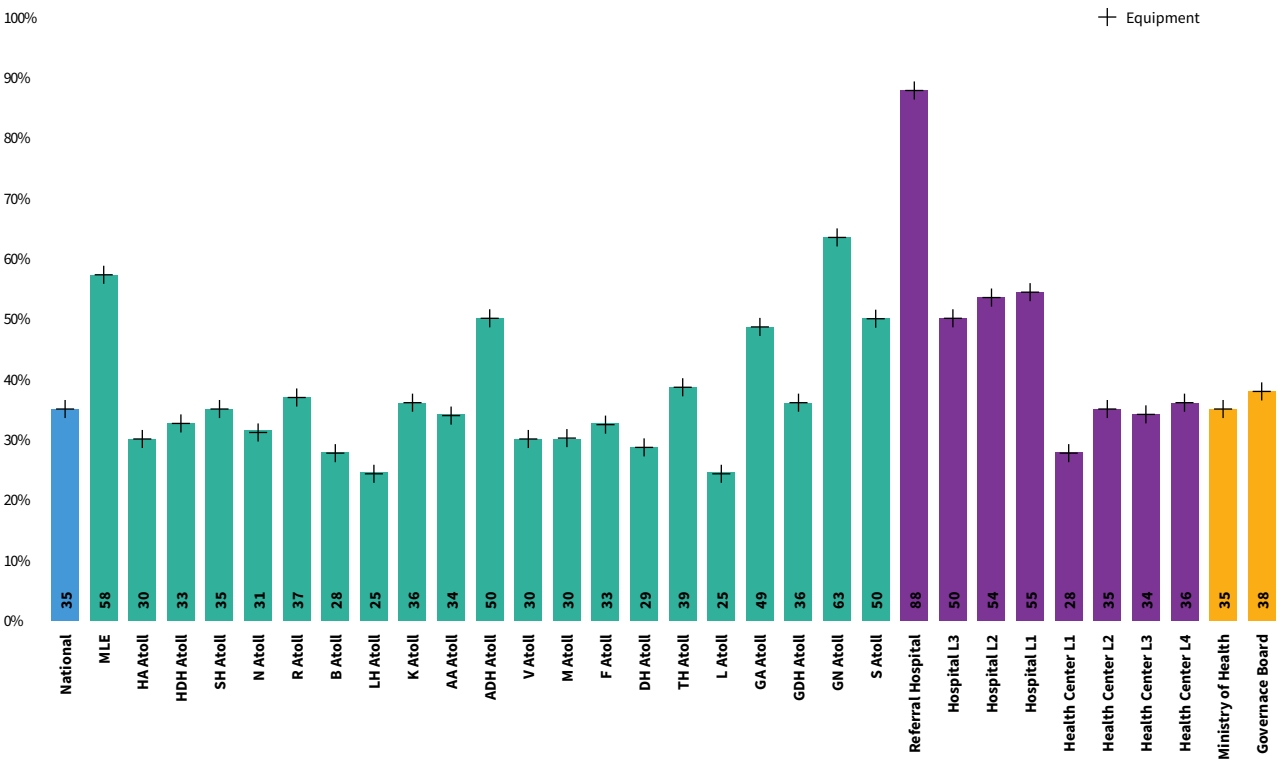


Fig. 113. Airway intervention readiness: mean proportion of all items at facilities by atoll and facility type

Airway intervention readiness:
Mean proportion of all items at
facilities by atoll

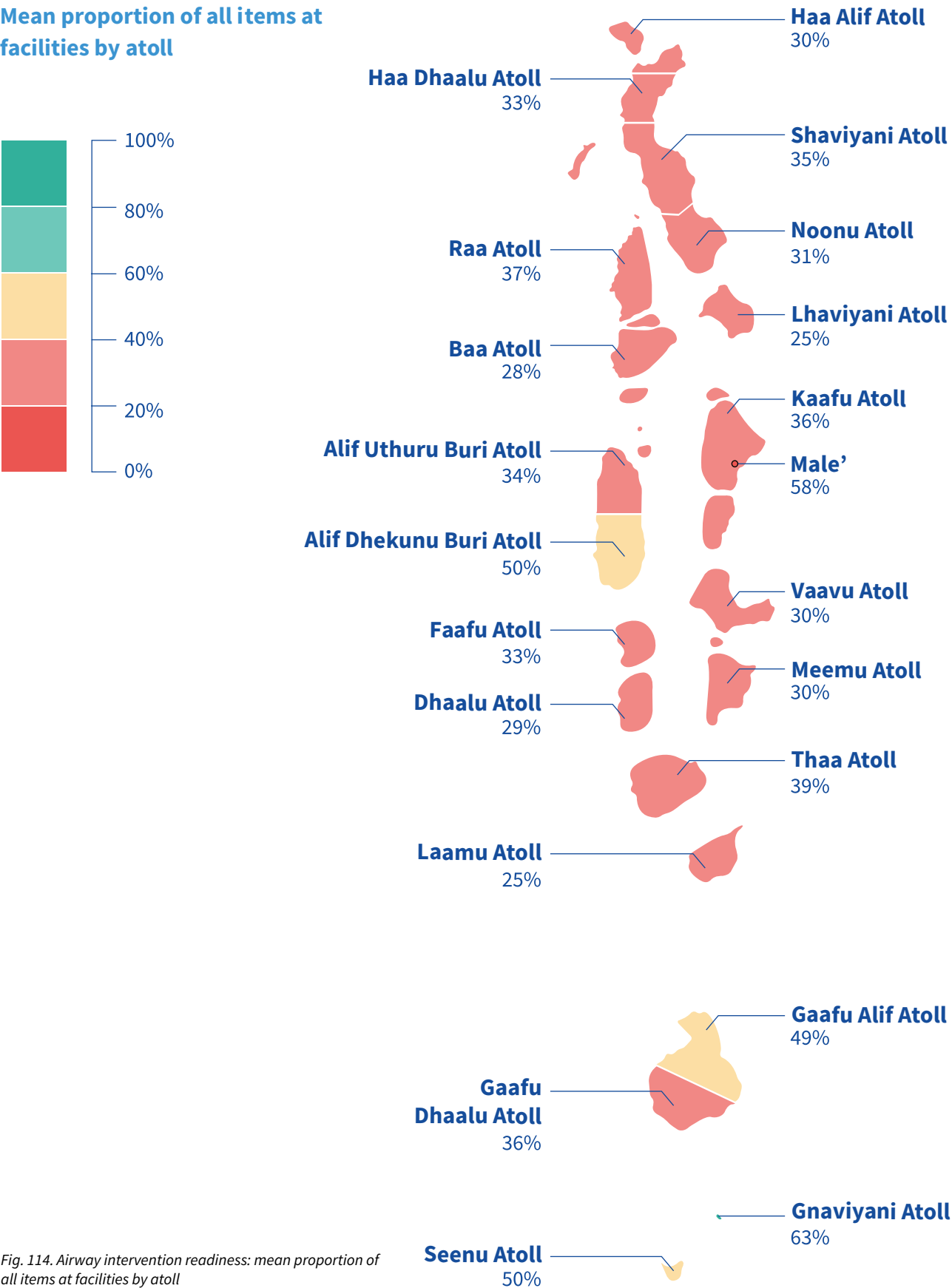


Fig. 114. Airway intervention readiness: mean proportion of all items at facilities by atoll

3.5.2.5. Breathing intervention availability

Table 115. (3.5.2.5) Percentage of facilities offering emergency services with breathing intervention by atoll and facility type

	Pulse oximetry at triage	Pulse oximetry in emergency unit treatment area	Administration of bronchodilators	Administration of oxygen	Bag-valve-mask ventilation	Non-invasive mechanical ventilation (BiPAP/CPAP)	Invasive mechanical ventilation	Needle decompression of tension pneumothorax	Placement of chest tube	n
National	37%	94%	71%	100%	63%	13%	11%	5%	7%	168
Atoll										
MLE	67%	100%	100%	100%	100%	67%	67%	67%	67%	3
HA Atoll	29%	100%	93%	100%	79%	7%	14%	7%	7%	14
HDH Atoll	8%	100%	85%	100%	92%	8%	8%	8%	8%	13
SH Atoll	8%	92%	92%	100%	46%	0%	0%	0%	8%	13
N Atoll	92%	92%	69%	100%	46%	8%	8%	0%	0%	13
R Atoll	0%	100%	53%	100%	27%	13%	7%	7%	7%	15
B Atoll	38%	92%	54%	100%	77%	8%	15%	8%	8%	13
LH Atoll	75%	75%	100%	100%	75%	50%	0%	0%	0%	4
K Atoll	0%	100%	43%	100%	71%	29%	0%	0%	0%	7
AA Atoll	63%	100%	75%	100%	13%	13%	0%	0%	13%	8
ADH Atoll	67%	100%	67%	100%	56%	0%	11%	0%	0%	9
V Atoll	0%	100%	60%	100%	80%	0%	0%	0%	0%	5
M Atoll	25%	88%	63%	100%	25%	25%	25%	0%	0%	8
F Atoll	60%	80%	40%	100%	40%	20%	20%	0%	0%	5
DH Atoll	17%	100%	33%	100%	100%	17%	0%	0%	0%	6
TH Atoll	75%	75%	63%	100%	88%	13%	13%	0%	13%	8
L Atoll	100%	100%	100%	100%	100%	0%	100%	0%	0%	1
GA Atoll	89%	89%	78%	100%	78%	11%	11%	11%	11%	9
GDH Atoll	0%	89%	78%	100%	67%	0%	11%	11%	0%	9
GN Atoll	0%	100%	100%	100%	100%	100%	100%	0%	0%	1
S Atoll	50%	100%	100%	100%	100%	25%	25%	25%	25%	4
Facility type										
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	50%	100%	83%	100%	83%	67%	83%	83%	67%	6
Hospital L2	67%	100%	89%	100%	100%	67%	44%	33%	56%	9
Hospital L1	57%	100%	100%	100%	100%	43%	57%	0%	0%	7
Health centre L1	26%	92%	60%	100%	56%	2%	0%	0%	0%	50
Health centre L2	34%	90%	63%	100%	61%	2%	2%	0%	0%	41
Health centre L3	39%	98%	80%	100%	61%	9%	9%	0%	0%	44
Health centre L4	40%	90%	70%	100%	40%	10%	0%	0%	0%	10

Availability of breathing interventions varies widely. While all facilities (100%) administer oxygen and the majority (94%) have pulse oximetry in emergency unit treatment areas, only 37% of the facilities have pulse oximetry at triage; these include the national referral hospital, the majority of the hospitals at Levels 3, 2 and 1, and a third of the health centres. The majority (71%) of the facilities provide bronchodilators and bag-valve-mask ventilation (63%). Non-invasive mechanical ventilation (BiPAP/CPAP) and invasive mechanical ventilation are provided in about a tenth of the facilities. Less than 10% of the facilities provide needle decompression of tension pneumothorax (5%) and placement of chest tube (7%), also provided at Level 2 and Level 3 hospitals, and the national referral hospital. On average, more than half (58%) of the facilities have equipment items and 78% of the medicines and commodities for breathing interventions.

3.5.2.6. Breathing intervention readiness

Table 116. (3.5.2.6) Percentage of facilities offering emergency services with breathing intervention readiness items by atoll and facility type

	Equipment						Medicines and commodities				
	Pulse oximeter	Micronebulizer	Resuscitation bag and mask (adult)	Resuscitation bag and mask (paediatric)	CPAP equipment	Chest tubes with insertion set	Mean proportion of equipment items at facilities	Oxygen with tubing, flowmeter and humidifier	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	97%	83%	82%	74%	7%	8%	58%	78%	61%	4%	168
Atoll											
MLE	100%	100%	100%	100%	67%	67%	89%	100%	90%	67%	3
HA Atoll	100%	100%	86%	86%	0%	7%	63%	86%	66%	0%	14
HDH Atoll	100%	92%	100%	85%	8%	8%	65%	100%	70%	8%	13
SH Atoll	92%	92%	100%	100%	0%	0%	64%	100%	69%	0%	13
N Atoll	100%	85%	100%	85%	0%	8%	63%	69%	64%	0%	13
R Atoll	100%	93%	93%	87%	7%	7%	64%	100%	70%	0%	15
B Atoll	92%	69%	46%	62%	8%	8%	47%	23%	44%	8%	13
LH Atoll	100%	100%	75%	50%	0%	0%	54%	100%	61%	0%	4
K Atoll	100%	86%	100%	86%	0%	0%	62%	100%	67%	0%	7
AA Atoll	88%	50%	50%	38%	25%	25%	46%	38%	45%	13%	8
ADH Atoll	100%	78%	89%	56%	0%	0%	54%	67%	56%	0%	9
V Atoll	100%	80%	60%	60%	0%	0%	50%	80%	54%	0%	5
M Atoll	100%	88%	63%	75%	25%	0%	58%	100%	64%	0%	8
F Atoll	100%	60%	80%	20%	20%	20%	50%	0%	43%	0%	5
DH Atoll	100%	83%	83%	83%	0%	0%	58%	100%	64%	0%	6
TH Atoll	88%	75%	88%	63%	0%	13%	54%	38%	52%	0%	8
L Atoll	100%	100%	100%	100%	0%	0%	67%	100%	71%	0%	1
GA Atoll	89%	56%	56%	67%	0%	11%	46%	100%	54%	0%	9
GDH Atoll	100%	78%	67%	56%	11%	0%	52%	78%	56%	0%	9
GN Atoll	100%	100%	100%	100%	0%	0%	67%	100%	71%	0%	1
S Atoll	100%	100%	100%	100%	25%	25%	75%	100%	79%	25%	4
Facility type											
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	83%	83%	100%	67%	67%	83%	100%	86%	50%	6
Hospital L2	100%	89%	100%	89%	11%	44%	72%	89%	75%	11%	9
Hospital L1	100%	86%	100%	100%	43%	29%	76%	86%	78%	14%	7
Health centre L1	100%	86%	70%	64%	2%	4%	54%	72%	57%	0%	50
Health centre L2	95%	88%	80%	63%	0%	0%	54%	73%	57%	0%	41
Health centre L3	93%	73%	84%	80%	5%	0%	56%	82%	59%	0%	44
Health centre L4	100%	80%	100%	90%	0%	0%	62%	80%	64%	0%	10

Readiness indicators show that on average, 58% of the items are available for breathing interventions, with CPAP available only at 7% of the facilities' emergency areas and chest tubes with insertion set in 8% of the facilities' emergency areas. Oxygen with tubing, flowmeter and humidifier is available at 78% of the facilities. The mean proportion of all items at the facilities stands at 61%. Only 4% of the facilities have all items for breathing interventions in emergency areas, including the national referral hospital and 50% of the Level 3 hospitals.

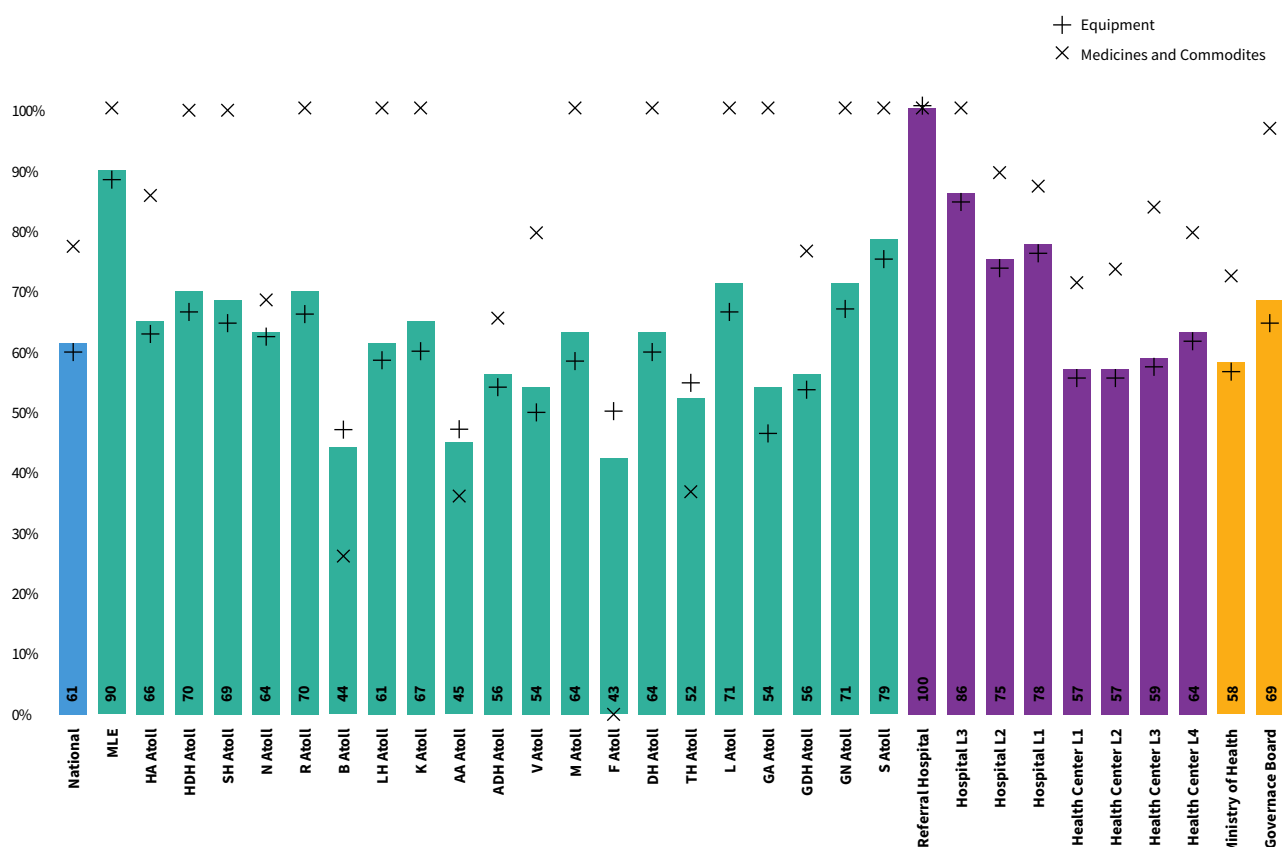


Fig. 115. Breathing intervention readiness: mean proportion of all items at facilities by atoll and facility type

Breathing intervention readiness:
Mean proportion of all items
at facilities by atoll

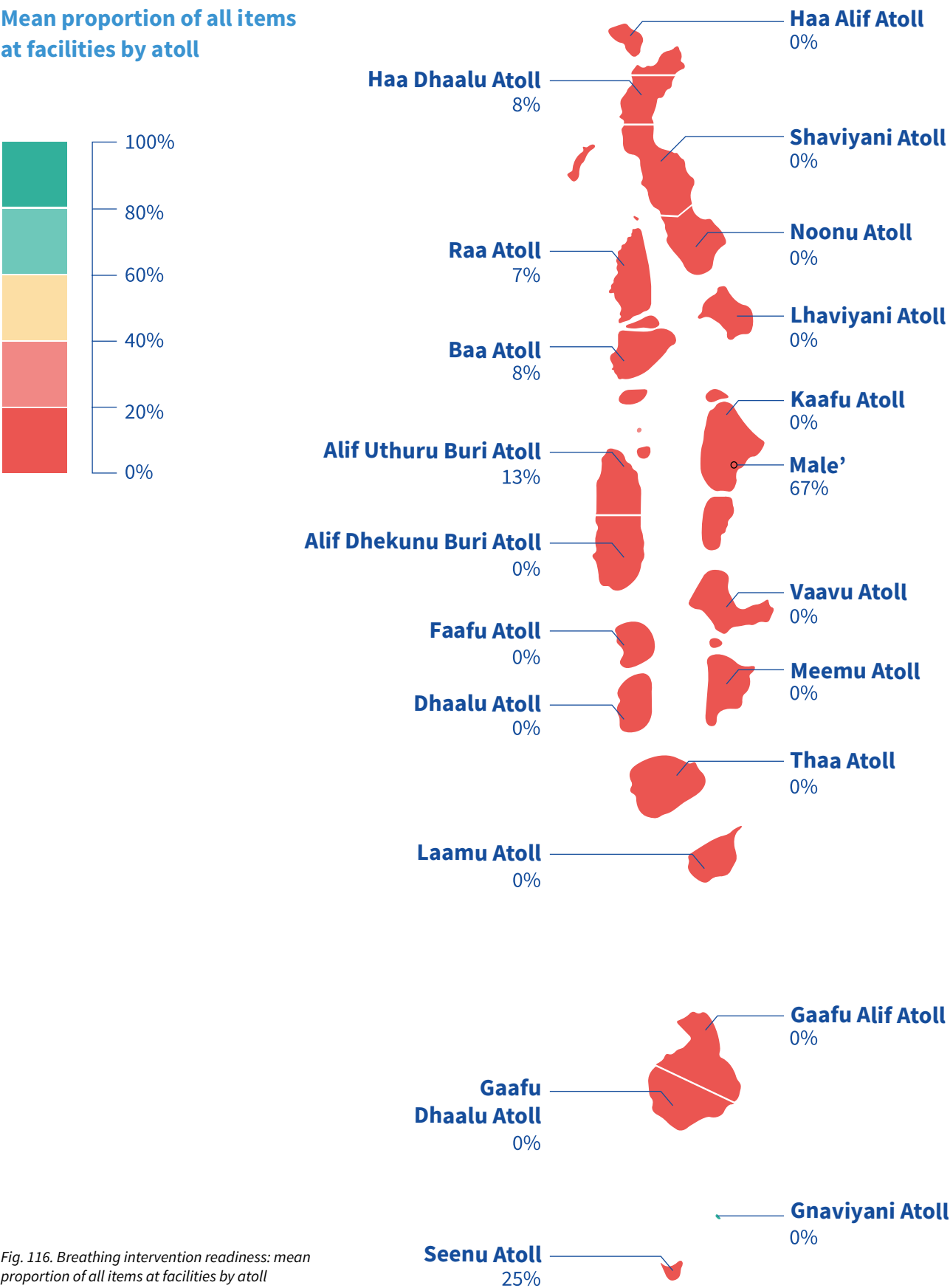


Fig. 116. Breathing intervention readiness: mean proportion of all items at facilities by atoll

3.5.2.7. Circulation intervention availability

Table 117. (3.5.2.7) Percentage of facilities offering emergency services with circulation intervention by atoll and facility type

	Administration of oral rehydration	Placement of peripheral IV access	Establishment of intravenous access	Performance of venous cutdown	Establishment of central venous access	Administration of IV fluids	Adjustment of fluid resuscitation for malnutrition or severe anaemia	Placement of urinary catheter	External control of haemorrhage	Bleeding control through packing and/or suture	Application of arterial tourniquet	Pelvic binding or sheeting	Safe blood transfusion (including massive transfusion)	Point of care ultrasound and interpretation	n
National	91%	88%	26%	4%	9%	99%	42%	95%	76%	93%	43%	10%	52%	13%	168
Atoll															
MLE	100%	100%	100%	0%	67%	100%	67%	100%	100%	100%	67%	33%	100%	100%	3
HA Atoll	93%	100%	71%	0%	7%	100%	64%	100%	100%	100%	43%	0%	64%	14%	14
HDH Atoll	100%	100%	23%	0%	8%	100%	46%	100%	92%	100%	15%	0%	54%	8%	13
SH Atoll	100%	100%	54%	8%	8%	100%	23%	100%	100%	100%	8%	0%	62%	15%	13
N Atoll	100%	100%	8%	0%	0%	100%	23%	92%	69%	92%	23%	0%	62%	8%	13
R Atoll	100%	73%	0%	7%	7%	100%	13%	87%	27%	80%	13%	13%	67%	7%	15
B Atoll	62%	85%	54%	8%	8%	100%	54%	100%	46%	77%	46%	8%	38%	8%	13
LH Atoll	100%	100%	0%	0%	0%	100%	75%	100%	50%	100%	75%	25%	50%	25%	4
K Atoll	100%	57%	0%	0%	0%	100%	29%	100%	86%	100%	14%	0%	29%	0%	7
AA Atoll	100%	100%	38%	0%	13%	100%	38%	100%	50%	88%	100%	0%	25%	13%	8
ADH Atoll	89%	89%	0%	0%	0%	100%	56%	100%	78%	100%	100%	56%	22%	0%	9
V Atoll	80%	80%	0%	0%	20%	100%	60%	100%	100%	100%	40%	40%	20%	20%	5
M Atoll	75%	50%	13%	13%	0%	100%	13%	63%	50%	88%	13%	0%	50%	13%	8
F Atoll	100%	100%	80%	40%	40%	100%	60%	100%	100%	100%	100%	20%	80%	20%	5
DH Atoll	83%	67%	0%	0%	0%	100%	33%	100%	100%	100%	17%	0%	50%	17%	6
TH Atoll	88%	100%	0%	0%	13%	100%	75%	100%	88%	100%	50%	25%	63%	13%	8
L Atoll	100%	100%	0%	0%	0%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
GA Atoll	78%	67%	22%	0%	11%	100%	44%	89%	56%	89%	22%	0%	44%	0%	9
GDH Atoll	89%	89%	0%	0%	11%	89%	33%	89%	100%	89%	89%	11%	56%	11%	9
GN Atoll	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	0%	100%	100%	1
S Atoll	100%	100%	50%	25%	25%	100%	50%	100%	100%	100%	100%	25%	50%	25%	4
Facility type															
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	33%	33%	83%	100%	100%	100%	100%	100%	83%	50%	100%	83%	6
Hospital L2	100%	100%	56%	22%	44%	100%	89%	100%	100%	100%	78%	33%	100%	89%	9
Hospital L1	100%	100%	43%	29%	43%	100%	86%	100%	100%	100%	100%	29%	86%	71%	7
Health centre L1	88%	88%	18%	0%	2%	100%	28%	90%	62%	90%	34%	2%	12%	0%	50
Health centre L2	88%	93%	27%	0%	0%	98%	37%	95%	76%	93%	39%	10%	44%	0%	41
Health centre L3	93%	80%	27%	2%	2%	100%	39%	100%	82%	98%	30%	5%	84%	0%	44
Health centre L4	90%	70%	10%	0%	0%	100%	40%	90%	60%	80%	60%	10%	50%	30%	10

Circulation interventions show similar variations to the airway and breathing service availability. The majority of the facilities provide administration of oral rehydration (91%) and placement of peripheral IV access (88%); administration of IV fluids (99%); placement of urinary catheter (95%); bleeding control through packing and/or suture (93%); and external control of haemorrhage (76%). About half (52%) provide safe blood (including massive blood) transfusion services. Very few facilities (4%) perform venous cutdown and 9% provide establishment of central venous access, and those include the national referral hospital and less than half of the Level 1, Level 2 and Level 3 hospitals. Circulation intervention readiness indicators show that 60% of the equipment items and 32% of the medicines and commodities are available at the facilities, resulting in half (50%) readiness with all items.

3.5.2.8. Circulation intervention readiness

Table 118. (3.5.2.8) Percentage of facilities offering emergency services with circulation intervention readiness items by atoll and facility type

	Equipment				Medicines and commodities						n
	Urinary catheter	Tournique	Pelvic binder	Doppler	Mean proportion of equipment items at facilities	IV volume replacement solution, infusion set and large bore IV catheter	Safe blood transfusion (including massive blood transfusion)	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	
National	95%	73%	1%	70%	60%	51%	14%	32%	50%	1%	168
Atoll											
MLE	100%	67%	0%	100%	67%	100%	0%	50%	61%	0%	3
HA Atoll	100%	79%	0%	43%	55%	50%	29%	39%	50%	0%	14
HDH Atoll	92%	62%	0%	69%	56%	23%	8%	15%	42%	0%	13
SH Atoll	100%	77%	0%	38%	54%	46%	31%	38%	49%	0%	13
N Atoll	100%	62%	0%	100%	65%	15%	0%	8%	46%	0%	13
R Atoll	100%	67%	0%	87%	63%	53%	27%	40%	56%	0%	15
B Atoll	69%	69%	8%	77%	56%	69%	8%	38%	50%	8%	13
LH Atoll	75%	100%	25%	75%	69%	75%	25%	50%	63%	0%	4
K Atoll	100%	29%	0%	71%	50%	43%	0%	21%	40%	0%	7
AA Atoll	100%	100%	0%	88%	72%	88%	13%	50%	65%	0%	8
ADH Atoll	89%	100%	0%	11%	50%	56%	0%	28%	43%	0%	9
V Atoll	100%	60%	0%	60%	55%	20%	0%	10%	40%	0%	5
M Atoll	100%	75%	0%	75%	63%	25%	13%	19%	48%	0%	8
F Atoll	100%	80%	0%	60%	60%	60%	0%	30%	50%	0%	5
DH Atoll	100%	67%	0%	83%	63%	67%	17%	42%	56%	0%	6
TH Atoll	88%	38%	0%	88%	53%	63%	13%	38%	48%	0%	8
L Atoll	100%	100%	0%	100%	75%	100%	0%	50%	67%	0%	1
GA Atoll	100%	89%	0%	89%	69%	22%	0%	11%	50%	0%	9
GDH Atoll	100%	78%	0%	67%	61%	78%	22%	50%	57%	0%	9
GN Atoll	100%	100%	0%	100%	75%	100%	100%	100%	83%	0%	1
S Atoll	75%	100%	0%	50%	56%	75%	25%	50%	54%	0%	4
Facility type											
Referral hospital	100%	100%	0%	100%	75%	100%	0%	50%	67%	0%	1
Hospital L3	83%	83%	0%	67%	58%	100%	50%	75%	64%	0%	6
Hospital L2	89%	89%	22%	89%	72%	89%	56%	72%	72%	11%	9
Hospital L1	86%	100%	0%	86%	68%	71%	14%	43%	60%	0%	7
Health centre L1	96%	68%	0%	68%	58%	40%	0%	20%	45%	0%	50
Health centre L2	98%	63%	0%	71%	58%	51%	7%	29%	48%	0%	41
Health centre L3	93%	73%	0%	70%	59%	39%	16%	27%	48%	0%	44
Health centre L4	100%	90%	0%	40%	57%	70%	40%	55%	57%	0%	10

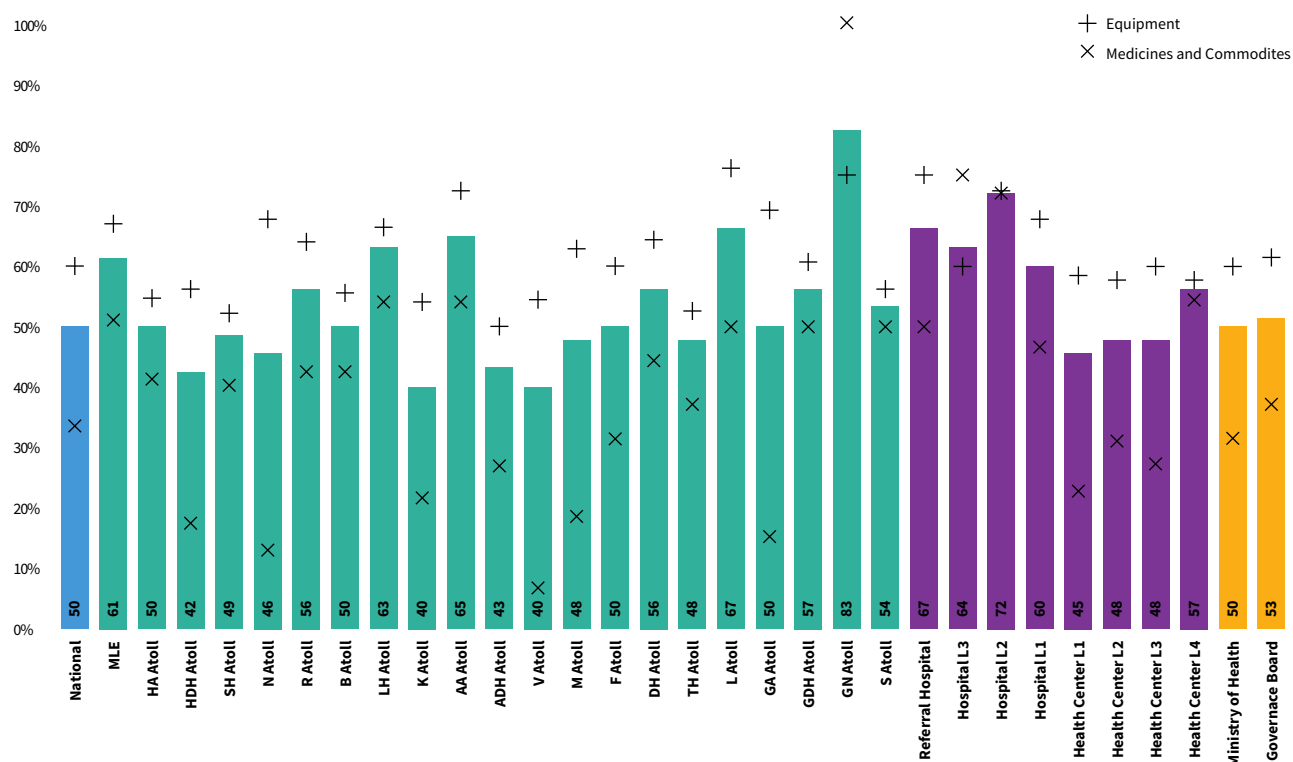


Fig. 117. Circulation intervention readiness: mean proportion of all items at facilities by atoll and facility type

Circulation intervention
readiness: Mean proportion
of all items at facilities by atoll

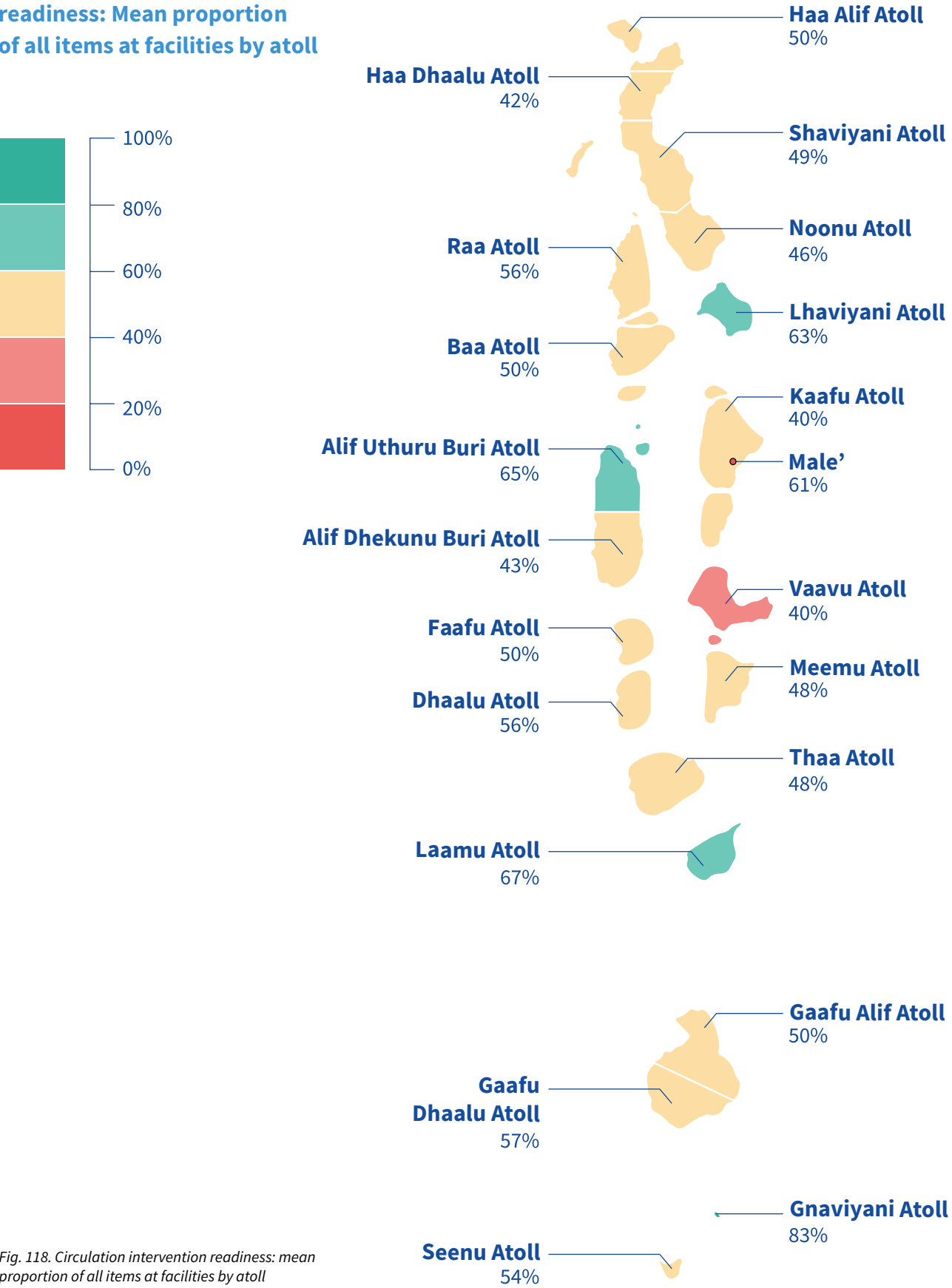


Fig. 118. Circulation intervention readiness: mean proportion of all items at facilities by atoll

3.5.2.9. Cardiac intervention availability

Table 119. (3.5.2.9) Percentage of facilities offering emergency services with cardiac intervention by atoll and facility type

	ECG with interpretation	External defibrillation and/or cardioversion	External cardiac pacing	Pericardiocentesis	Administration of adrenaline	Administration of aspirin for ischemia	Administration of thrombolytics for myocardial infarction	n
National	98%	21%	7%	2%	90%	79%	29%	168
Atoll								
MLE	100%	67%	33%	33%	100%	100%	100%	3
HA Atoll	100%	21%	7%	0%	100%	100%	21%	14
HDH Atoll	100%	15%	8%	0%	100%	85%	15%	13
SH Atoll	85%	8%	0%	0%	100%	85%	15%	13
N Atoll	100%	15%	0%	0%	85%	69%	15%	13
R Atoll	100%	7%	0%	0%	100%	47%	7%	15
B Atoll	100%	15%	8%	8%	69%	62%	23%	13
LH Atoll	100%	0%	0%	0%	75%	100%	50%	4
K Atoll	100%	14%	14%	0%	100%	100%	43%	7
AA Atoll	100%	13%	0%	0%	100%	63%	38%	8
ADH Atoll	100%	56%	0%	0%	89%	67%	44%	9
V Atoll	100%	20%	20%	0%	100%	80%	40%	5
M Atoll	88%	13%	13%	0%	63%	13%	25%	8
F Atoll	100%	20%	0%	0%	40%	100%	20%	5
DH Atoll	100%	33%	0%	0%	100%	83%	67%	6
TH Atoll	100%	63%	25%	0%	75%	100%	50%	8
L Atoll	100%	100%	0%	0%	100%	100%	100%	1
GA Atoll	100%	22%	0%	11%	100%	100%	11%	9
GDH Atoll	100%	11%	0%	11%	89%	100%	22%	9
GN Atoll	100%	100%	0%	0%	100%	100%	100%	1
S Atoll	100%	25%	50%	0%	100%	100%	75%	4
Facility type								
Referral hospital	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	100%	17%	17%	100%	100%	100%	6
Hospital L2	100%	78%	22%	22%	100%	100%	100%	9
Hospital L1	100%	71%	29%	0%	100%	86%	86%	7
Health centre L1	98%	4%	0%	0%	86%	62%	26%	50
Health centre L2	95%	20%	5%	0%	85%	80%	17%	41
Health centre L3	100%	14%	7%	0%	93%	86%	14%	44
Health centre L4	100%	10%	10%	0%	90%	80%	10%	10

Almost all (98%) facilities have services for ECG with interpretation and administration of adrenaline (90%) and administration of aspirin for ischemia (79%); less than a third (29%) provide administration of thrombolytics for myocardial infarction. External defibrillation is available only at 21% of the facilities that include the national referral hospital and all Level 3 hospitals, the majority of the Level 1 and Level 2 hospitals, about 10%–20% of the health centres at Levels 2, 3 and 4, and only 4% of the Level 1 health centres. External cardiac pacing is available only at a few facilities (7%) and pericardiocentesis is provided only at 2% of the facilities. Readiness indicators show 78% of the facilities have 24-hour availability of staff to read ECG, but only 39% of the equipment items and 56% of the medicines and commodities are available at the facilities, resulting in 50% readiness at the facilities. A few hospitals (4%) have all items for readiness.

3.5.2.10. Cardiac intervention readiness

Table 120. (3.5.2.10) Percentage of facilities offering emergency services with cardiac intervention readiness items by atoll and facility type

	Staff and guidelines			Equipment		Medicines and commodities							
	24-hour availability of staff to read ECG	ECG machine with leads	Cardiac monitor with electrodes	Defibrillator	External cardiac pacer pads	Mean proportion of equipment items at facilities	Adrenaline/ epinephrine injection	Aspirin	Streptokinase	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	78%	88%	37%	22%	11%	39%	77%	82%	8%	56%	50%	4%	168
Atoll													
MLE	100%	100%	100%	100%	33%	83%	100%	100%	67%	89%	88%	33%	3
HA Atoll	79%	100%	29%	14%	7%	38%	79%	86%	0%	55%	49%	0%	14
HDH Atoll	100%	100%	15%	15%	8%	35%	69%	77%	8%	51%	49%	8%	13
SH Atoll	62%	85%	31%	15%	8%	35%	85%	62%	0%	49%	43%	0%	13
N Atoll	92%	92%	54%	15%	0%	40%	46%	92%	0%	46%	49%	0%	13
R Atoll	93%	100%	13%	7%	0%	30%	93%	80%	7%	60%	49%	0%	15
B Atoll	85%	85%	31%	15%	0%	33%	69%	62%	0%	44%	43%	0%	13
LH Atoll	75%	75%	50%	25%	25%	44%	100%	75%	25%	67%	56%	0%	4
K Atoll	57%	57%	57%	29%	14%	39%	71%	100%	0%	57%	48%	0%	7
AA Atoll	88%	88%	25%	13%	13%	34%	100%	100%	13%	71%	55%	0%	8
ADH Atoll	56%	78%	11%	56%	22%	42%	89%	67%	11%	56%	49%	11%	9
V Atoll	100%	100%	40%	20%	0%	40%	60%	80%	20%	53%	53%	0%	5
M Atoll	75%	88%	38%	25%	13%	41%	50%	100%	13%	54%	50%	0%	8
F Atoll	40%	80%	40%	20%	20%	40%	80%	100%	20%	67%	50%	20%	5
DH Atoll	67%	67%	33%	33%	0%	33%	83%	83%	17%	61%	48%	0%	6
TH Atoll	88%	88%	38%	50%	25%	50%	50%	75%	0%	42%	52%	0%	8
L Atoll	100%	100%	100%	0%	100%	75%	100%	0%	0%	33%	63%	0%	1
GA Atoll	44%	89%	67%	11%	0%	42%	78%	67%	0%	48%	44%	0%	9
GDH Atoll	67%	78%	44%	11%	11%	36%	100%	100%	22%	74%	54%	11%	9
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	0%	67%	88%	0%	1
S Atoll	100%	100%	75%	25%	50%	63%	100%	100%	25%	75%	72%	25%	4
Facility type													
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	83%	100%	83%	83%	67%	83%	100%	83%	83%	89%	85%	50%	6
Hospital L2	89%	100%	89%	100%	33%	81%	100%	78%	22%	67%	76%	0%	9
Hospital L1	100%	100%	71%	100%	57%	82%	100%	100%	57%	86%	86%	29%	7
Health centre L1	84%	90%	16%	4%	0%	28%	64%	78%	2%	48%	42%	0%	50
Health centre L2	71%	80%	7%	22%	7%	29%	78%	78%	2%	53%	43%	0%	41
Health centre L3	75%	89%	61%	7%	5%	40%	80%	84%	0%	55%	50%	0%	44
Health centre L4	60%	80%	50%	10%	10%	38%	80%	90%	0%	57%	48%	0%	10

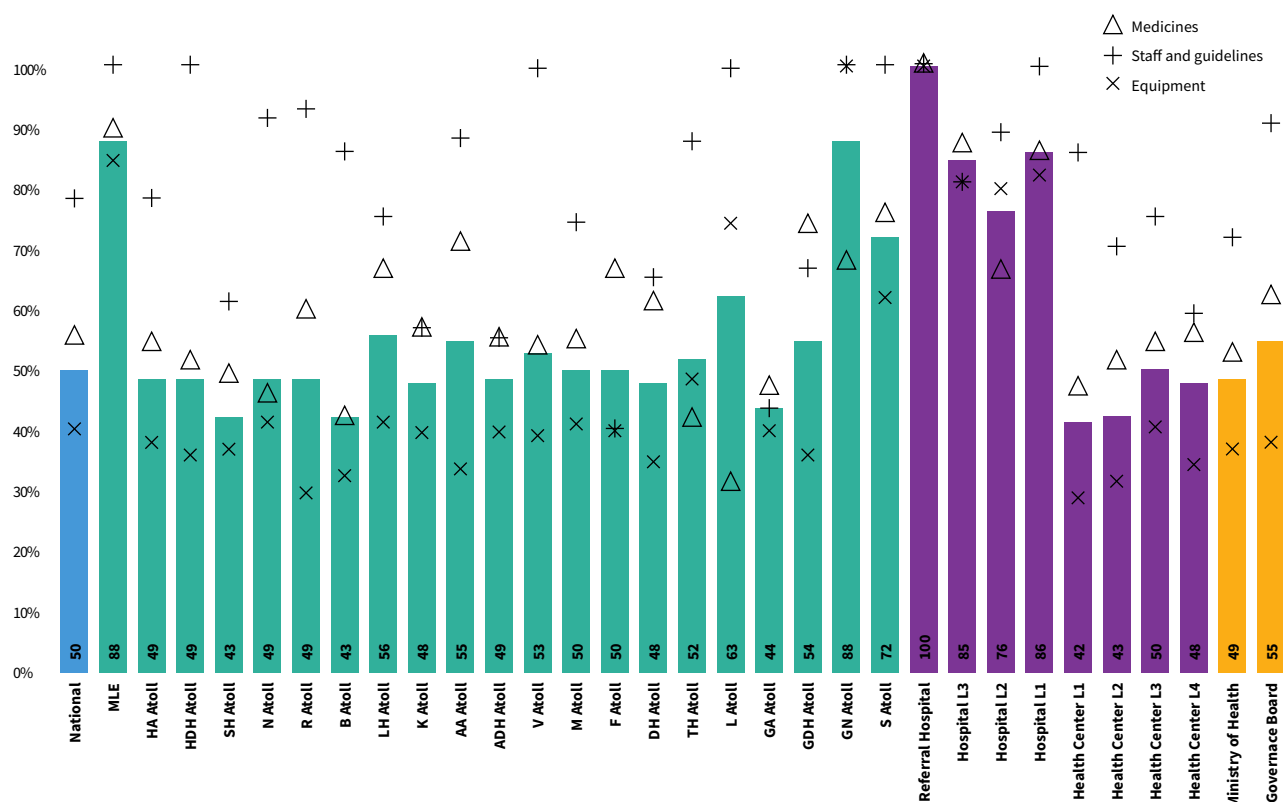


Fig. 119. Cardiac intervention readiness: mean proportion of all items at facilities by atoll and facility type

Cardiac intervention readiness:
Mean proportion of all items
at facilities by atoll

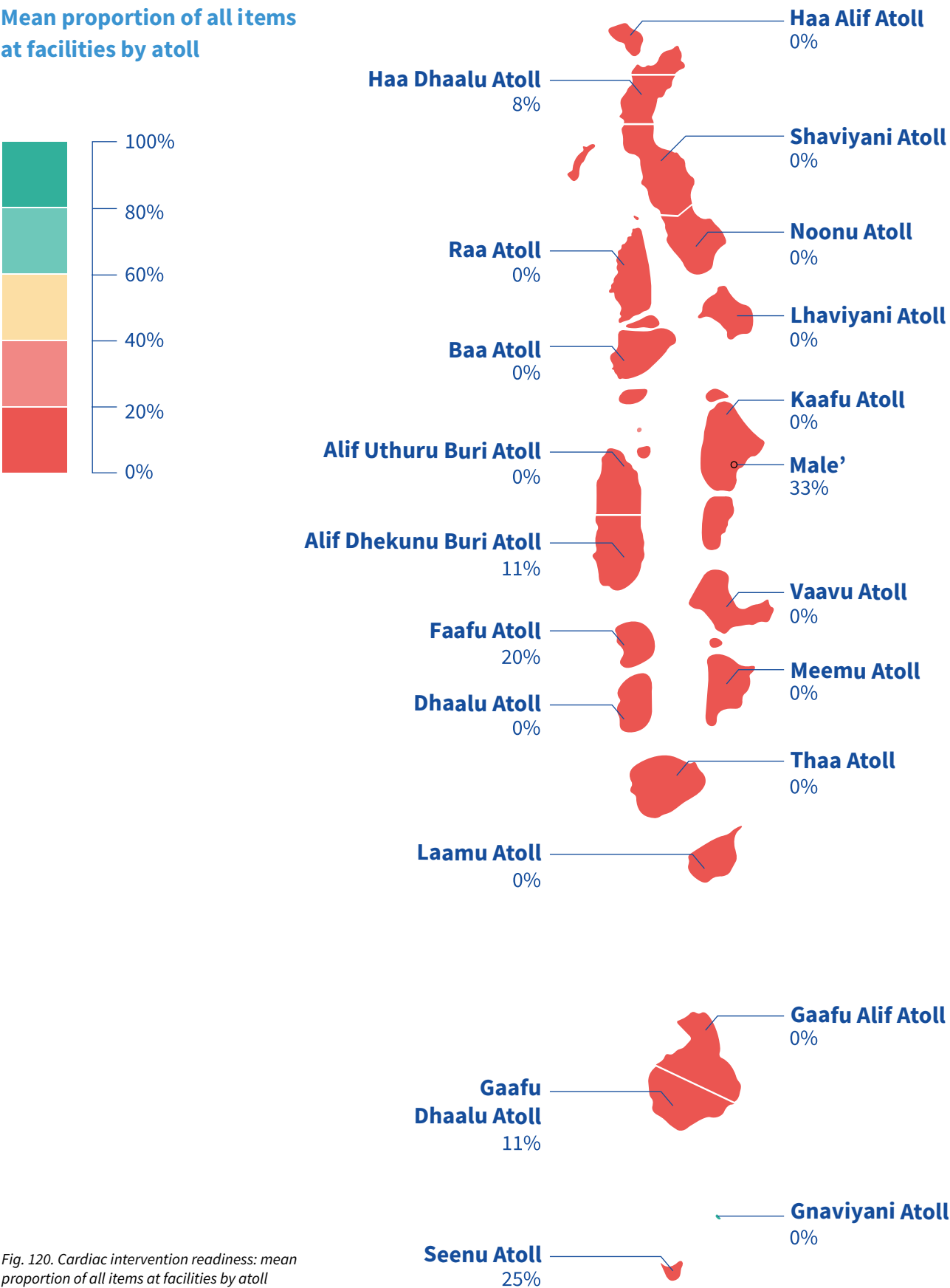


Fig. 120. Cardiac intervention readiness: mean proportion of all items at facilities by atoll

3.5.2.11. Unconscious patient intervention availability

Table 121. (3.5.2.11) Percentage of facilities offering emergency services with unconscious patient intervention by atoll and facility type

	Glucose level check	Administration of glucose for hypoglycaemia	Administration of insulin for hyperglycaemia	Lumbar puncture	n
National	85%	81%	75%	4%	188
Atoll					
MLE	60%	60%	60%	20%	5
HA Atoll	93%	100%	100%	0%	14
HDH Atoll	100%	100%	100%	8%	13
SH Atoll	86%	93%	79%	7%	14
N Atoll	85%	100%	62%	0%	13
R Atoll	100%	47%	60%	7%	15
B Atoll	92%	85%	85%	15%	13
LH Atoll	100%	100%	100%	0%	4
K Atoll	78%	78%	78%	0%	9
AA Atoll	88%	88%	88%	0%	8
ADH Atoll	90%	90%	90%	0%	10
V Atoll	100%	100%	80%	0%	5
M Atoll	88%	63%	25%	0%	8
F Atoll	100%	100%	100%	20%	5
DH Atoll	100%	100%	100%	0%	6
TH Atoll	62%	62%	62%	0%	13
L Atoll	10%	10%	10%	0%	10
GA Atoll	100%	100%	78%	0%	9
GDH Atoll	78%	89%	78%	0%	9
GN Atoll	100%	100%	100%	0%	1
S Atoll	100%	100%	100%	25%	4
Facility type					
Referral hospital	100%	100%	100%	100%	1
Hospital L3	100%	100%	100%	50%	6
Hospital L2	100%	100%	100%	22%	9
Hospital L1	100%	100%	100%	14%	7
Health centre L1	82%	75%	63%	0%	57
Health centre L2	84%	80%	78%	0%	45
Health centre L3	86%	86%	78%	0%	49
Health centre L4	69%	69%	69%	0%	13
Other	0%	0%	0%	0%	1

The majority of the facilities across the atolls provide services for unconscious patients, with 85% providing glucose level check, 81% providing administration of glucose for hypoglycaemia and 75% providing administration of insulin for hyperglycaemia. Lumbar puncture is, however, provided only at some hospitals, including the national referral hospital, half of the Level 3 hospitals and less than a quarter of the Level 1 and Level 2 hospitals. Readiness indicators on services for unconscious patients show that about a third of the medicines and commodities are available at the facilities, resulting in 44% of all items for readiness. A few (2%) facilities have all items for readiness.

3.5.2.12. Unconscious patient intervention readiness

Table 122. (3.5.2.12) Percentage of facilities offering emergency services with unconscious patient intervention readiness items by atoll and facility type

	Diagnostics				Medicines and commodities			
	Blood glucose test	Glucose 50% injection	Insulin	Lumbar puncture kit	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	82%	12%	77%	6%	32%	44%	2%	168
Atoll								
MLE	100%	0%	100%	0%	33%	50%	0%	3
HA Atoll	79%	0%	57%	0%	19%	34%	0%	14
HDH Atoll	100%	0%	62%	8%	23%	42%	0%	13
SH Atoll	92%	8%	54%	8%	23%	40%	0%	13
N Atoll	85%	0%	85%	0%	28%	42%	0%	13
R Atoll	67%	0%	100%	7%	36%	43%	0%	15
B Atoll	92%	23%	62%	8%	31%	46%	8%	13
LH Atoll	75%	75%	75%	0%	50%	56%	0%	4
K Atoll	100%	14%	86%	0%	33%	50%	0%	7
AA Atoll	88%	13%	88%	25%	42%	53%	0%	8
ADH Atoll	89%	11%	67%	0%	26%	42%	0%	9
V Atoll	100%	20%	80%	0%	33%	50%	0%	5
M Atoll	50%	13%	75%	0%	29%	34%	0%	8
F Atoll	80%	80%	100%	60%	80%	80%	40%	5
DH Atoll	100%	0%	100%	0%	33%	50%	0%	6
TH Atoll	63%	38%	75%	0%	38%	44%	0%	8
L Atoll	100%	0%	100%	0%	33%	50%	0%	1
GA Atoll	67%	0%	89%	11%	33%	42%	0%	9
GDH Atoll	78%	11%	78%	0%	30%	42%	0%	9
GN Atoll	0%	0%	100%	0%	33%	25%	0%	1
S Atoll	75%	0%	100%	0%	33%	44%	0%	4
Facility type								
Referral hospital	100%	0%	100%	0%	33%	50%	0%	1
Hospital L3	83%	0%	100%	33%	44%	54%	0%	6
Hospital L2	78%	33%	100%	33%	56%	61%	11%	9
Hospital L1	100%	57%	100%	14%	57%	68%	14%	7
Health centre L1	82%	6%	68%	2%	25%	40%	0%	50
Health centre L2	83%	7%	68%	5%	27%	41%	0%	41
Health centre L3	84%	9%	86%	2%	33%	45%	2%	44
Health centre L4	60%	30%	70%	0%	33%	40%	0%	10

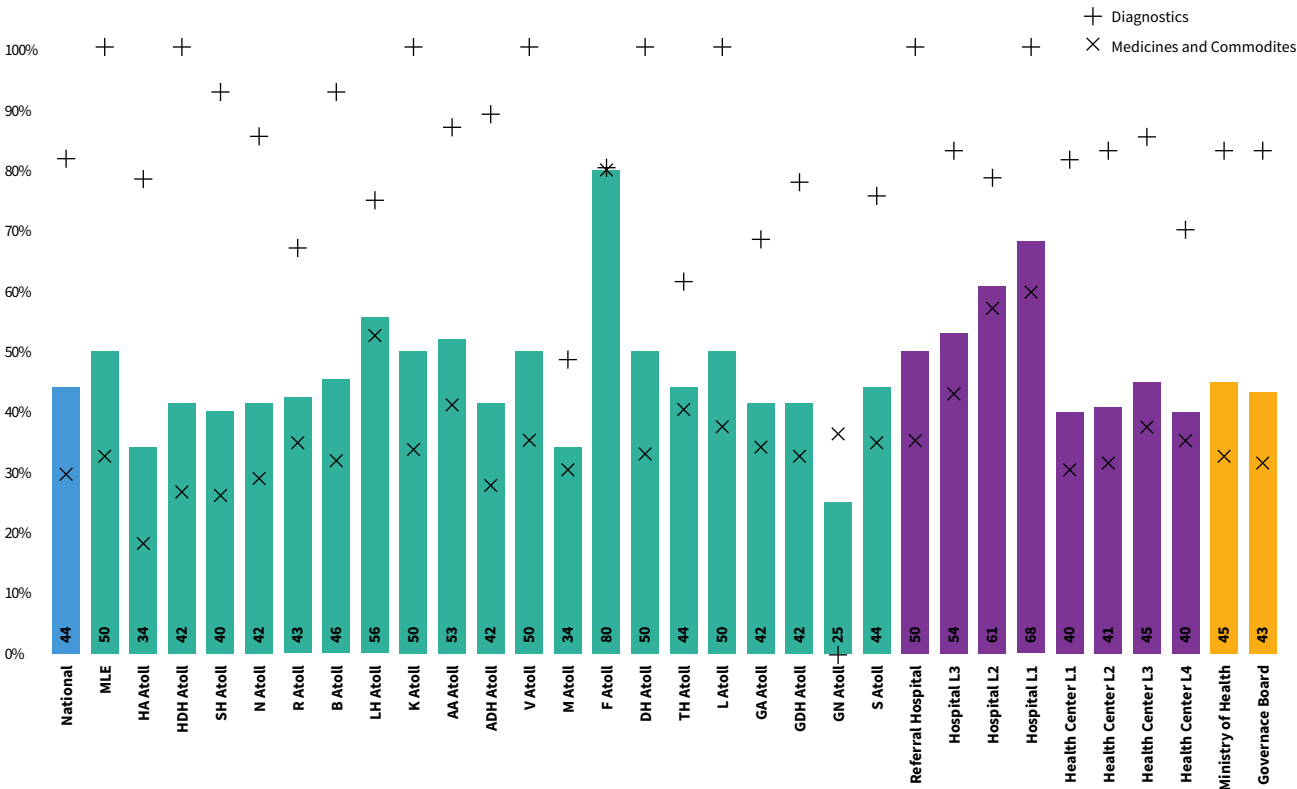


Fig. 121. Unconscious patient intervention readiness: mean proportion of all items at facilities by atoll and facility type

3.5.2.13. Seizure intervention availability

Table 123. (3.5.2.13) Percentage of facilities offering emergency services with seizure intervention by atoll and facility type

	Protection from secondary injury	Administration of benzodiazepine	Administration of IV magnesium for pregnant patient	Administration of antidote for narcotic overdose	n
National	80%	56%	18%	8%	168
Atoll					
MLE	100%	100%	100%	100%	3
HA Atoll	93%	36%	14%	0%	14
HDH Atoll	92%	77%	8%	8%	13
SH Atoll	92%	31%	8%	0%	13
N Atoll	54%	62%	8%	0%	13
R Atoll	67%	7%	7%	7%	15
B Atoll	54%	46%	23%	0%	13
LH Atoll	75%	75%	25%	25%	4
K Atoll	100%	57%	14%	0%	7
AA Atoll	88%	63%	25%	0%	8
ADH Atoll	100%	67%	11%	0%	9
V Atoll	80%	20%	20%	0%	5
M Atoll	63%	50%	13%	13%	8
F Atoll	40%	60%	20%	20%	5
DH Atoll	100%	50%	33%	0%	6
TH Atoll	88%	75%	25%	13%	8
L Atoll	100%	100%	100%	0%	1
GA Atoll	67%	89%	11%	22%	9
GDH Atoll	89%	89%	33%	0%	9
GN Atoll	100%	100%	100%	100%	1
S Atoll	100%	100%	25%	25%	4
Facility type					
Referral hospital	100%	100%	100%	100%	1
Hospital L3	100%	83%	100%	67%	6
Hospital L2	100%	89%	100%	44%	9
Hospital L1	100%	86%	86%	43%	7
Health centre L1	64%	38%	8%	0%	50
Health centre L2	71%	46%	2%	0%	41
Health centre L3	93%	66%	7%	0%	44
Health centre L4	90%	70%	10%	10%	10

The majority of the facilities, including health centres across the atolls, provide seizure interventions, with 80% providing protection from secondary injury and 56% providing administration of benzodiazepine. Fewer facilities (18%) provide administration of IV magnesium for pregnant patients (mainly at the hospitals) and only 8% provide administration of antidote for narcotic overdose, which is also provided at some hospitals and Level 4 health centres. Readiness for seizure interventions is low, with only 12% of the items being available at the facilities and 4% of the facilities having all items.

3.5.2.14. Seizure intervention readiness

Table 124. (3.5.2.14) Percentage of facilities offering emergency services with seizure intervention readiness items by atoll and facility type

Medicines and commodities

	Benzodiazepine injection	Magnesium sulfate injection	Naloxone injection	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	21%	11%	4%	12%	12%	4%	168
Atoll							
MLE	0%	0%	0%	0%	0%	0%	3
HA Atoll	21%	14%	7%	14%	14%	7%	14
HDH Atoll	69%	15%	8%	31%	31%	8%	13
SH Atoll	31%	8%	0%	13%	13%	0%	13
N Atoll	0%	0%	0%	0%	0%	0%	13
R Atoll	0%	13%	7%	7%	7%	0%	15
B Atoll	15%	0%	0%	5%	5%	0%	13
LH Atoll	75%	25%	25%	42%	42%	25%	4
K Atoll	43%	14%	0%	19%	19%	0%	7
AA Atoll	0%	0%	0%	0%	0%	0%	8
ADH Atoll	0%	0%	0%	0%	0%	0%	9
V Atoll	0%	0%	0%	0%	0%	0%	5
M Atoll	13%	13%	13%	13%	13%	13%	8
F Atoll	40%	20%	0%	20%	20%	0%	5
DH Atoll	0%	0%	0%	0%	0%	0%	6
TH Atoll	0%	0%	0%	0%	0%	0%	8
L Atoll	0%	0%	0%	0%	0%	0%	1
GA Atoll	0%	0%	0%	0%	0%	0%	9
GDH Atoll	56%	33%	0%	30%	30%	0%	9
GN Atoll	100%	100%	100%	100%	100%	100%	1
S Atoll	50%	75%	25%	50%	50%	25%	4
Facility type							
Referral hospital	0%	0%	0%	0%	0%	0%	1
Hospital L3	33%	50%	50%	44%	44%	33%	6
Hospital L2	33%	33%	33%	33%	33%	33%	9
Hospital L1	14%	14%	14%	14%	14%	14%	7
Health centre L1	16%	4%	0%	7%	7%	0%	50
Health centre L2	24%	5%	0%	10%	10%	0%	41
Health centre L3	14%	9%	0%	8%	8%	0%	44
Health centre L4	50%	30%	0%	27%	27%	0%	10

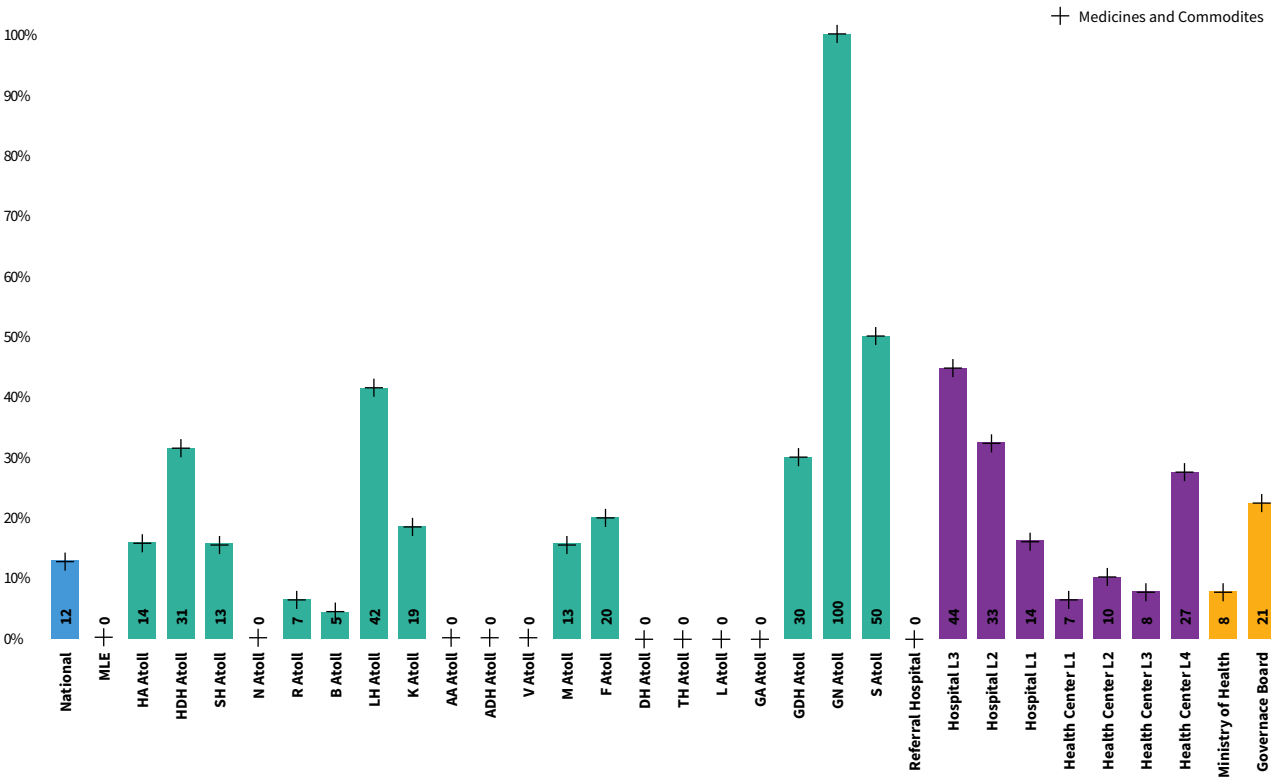


Fig. 122. Seizure intervention readiness: mean proportion of all items at facilities by atoll and facility type

Seizure intervention readiness:
Mean proportion of all items at
facilities by atoll

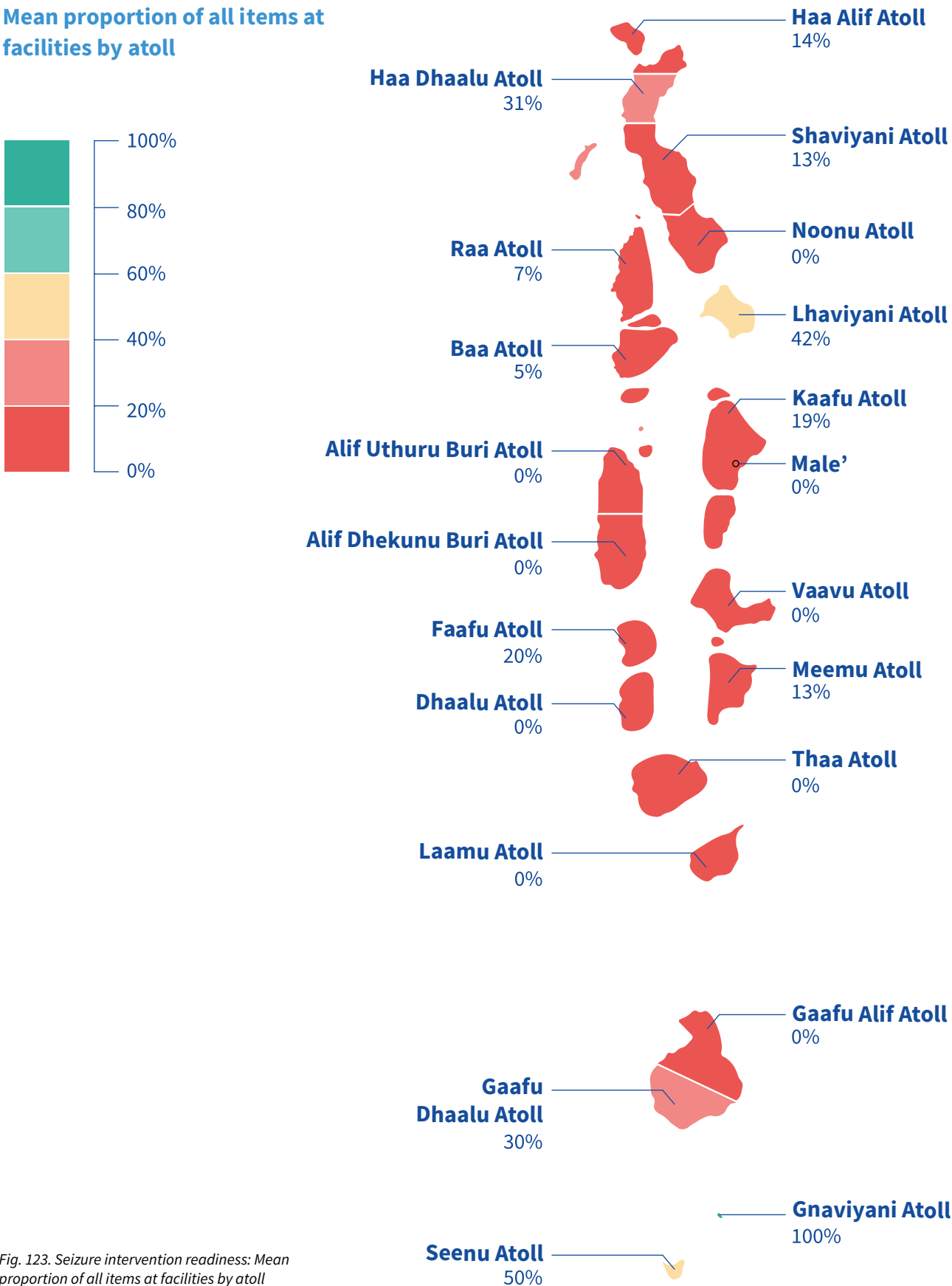


Fig. 123. Seizure intervention readiness: Mean proportion of all items at facilities by atoll

3.5.2.15. Sepsis intervention availability

Table 125. (3.5.2.15) Percentage of facilities offering emergency services with sepsis intervention by atoll and facility type

	Administration of IV antibiotics	Administration of IV vasopressors	Diagnostic paracentesis	Minor surgical techniques for infection source control	n
National	89%	23%	5%	80%	168
Atoll					
MLE	67%	100%	33%	100%	3
HA Atoll	100%	14%	0%	93%	14
HDH Atoll	92%	15%	8%	100%	13
SH Atoll	100%	15%	0%	92%	13
N Atoll	69%	15%	0%	54%	13
R Atoll	67%	7%	0%	93%	15
B Atoll	100%	31%	8%	77%	13
LH Atoll	100%	50%	0%	75%	4
K Atoll	86%	0%	0%	86%	7
AA Atoll	100%	25%	25%	50%	8
ADH Atoll	89%	22%	0%	78%	9
V Atoll	80%	0%	0%	100%	5
M Atoll	63%	13%	13%	38%	8
F Atoll	100%	20%	20%	100%	5
DH Atoll	100%	17%	0%	100%	6
TH Atoll	100%	50%	0%	100%	8
L Atoll	100%	0%	0%	100%	1
GA Atoll	89%	33%	0%	78%	9
GDH Atoll	89%	33%	11%	33%	9
GN Atoll	100%	100%	0%	100%	1
S Atoll	100%	75%	25%	100%	4
Facility type					
Referral hospital	100%	100%	100%	100%	1
Hospital L3	100%	83%	50%	83%	6
Hospital L2	100%	78%	11%	89%	9
Hospital L1	86%	71%	43%	100%	7
Health centre L1	82%	10%	0%	76%	50
Health centre L2	88%	12%	0%	80%	41
Health centre L3	98%	20%	0%	82%	44
Health centre L4	70%	20%	0%	70%	10

The sepsis intervention results show that the majority (89%) provide administration of IV antibiotics and 80% of the facilities perform minor surgical techniques for infection source control; however, only 23% provide administration of IV vasopressors. Only 5% of the facilities provide diagnostic paracentesis that includes the national referral hospital, 50% of the Level 3 hospitals, 43% of the Level 1 hospitals and 11% of the Level 2 hospitals. Readiness indicators show that about half (51%) of the medicines and commodities are available, and 20% of the facilities have the minor surgical kits, resulting in less than half (40%) of the items being available at the facilities; 7% of the facilities have all items for readiness to provide sepsis interventions.

3.5.2.16. Sepsis intervention readiness

Table 126. (3.5.2.16) Percentage of facilities offering emergency services with sepsis intervention readiness items by atoll and facility type

	Medicines and commodities			Equipment			
	IV antibiotics for sepsis	Vasopressor	Mean proportion of medicine and commodity items at facilities	Minor surgical kit	Mean proportion of all items at facilities	Proportion of facilities with all items	
National	78%	24%	51%	20%	40%	7%	168
Atoll							
MLE	67%	100%	83%	67%	78%	33%	3
HA Atoll	71%	7%	39%	21%	33%	0%	14
HDH Atoll	62%	8%	35%	23%	31%	8%	13
SH Atoll	77%	8%	42%	8%	31%	0%	13
N Atoll	85%	8%	46%	0%	31%	0%	13
R Atoll	93%	20%	57%	20%	44%	7%	15
B Atoll	69%	23%	46%	0%	31%	0%	13
LH Atoll	25%	25%	25%	25%	25%	0%	4
K Atoll	57%	0%	29%	0%	19%	0%	7
AA Atoll	88%	50%	69%	13%	50%	13%	8
ADH Atoll	78%	44%	61%	44%	56%	11%	9
V Atoll	60%	20%	40%	20%	33%	0%	5
M Atoll	75%	13%	44%	25%	38%	13%	8
F Atoll	80%	20%	50%	20%	40%	20%	5
DH Atoll	100%	83%	92%	0%	61%	0%	6
TH Atoll	88%	38%	63%	25%	50%	25%	8
L Atoll	100%	0%	50%	0%	33%	0%	1
GA Atoll	89%	11%	50%	44%	48%	0%	9
GDH Atoll	100%	44%	72%	11%	52%	0%	9
GN Atoll	100%	100%	100%	100%	100%	100%	1
S Atoll	75%	25%	50%	75%	58%	25%	4
Facility type							
Referral hospital	100%	100%	100%	100%	100%	100%	1
Hospital L3	100%	83%	92%	50%	78%	50%	6
Hospital L2	100%	56%	78%	44%	67%	22%	9
Hospital L1	86%	86%	86%	57%	76%	43%	7
Health centre L1	72%	8%	40%	12%	31%	0%	50
Health centre L2	68%	22%	45%	15%	35%	5%	41
Health centre L3	86%	20%	53%	16%	41%	0%	44
Health centre L4	70%	10%	40%	20%	33%	0%	10

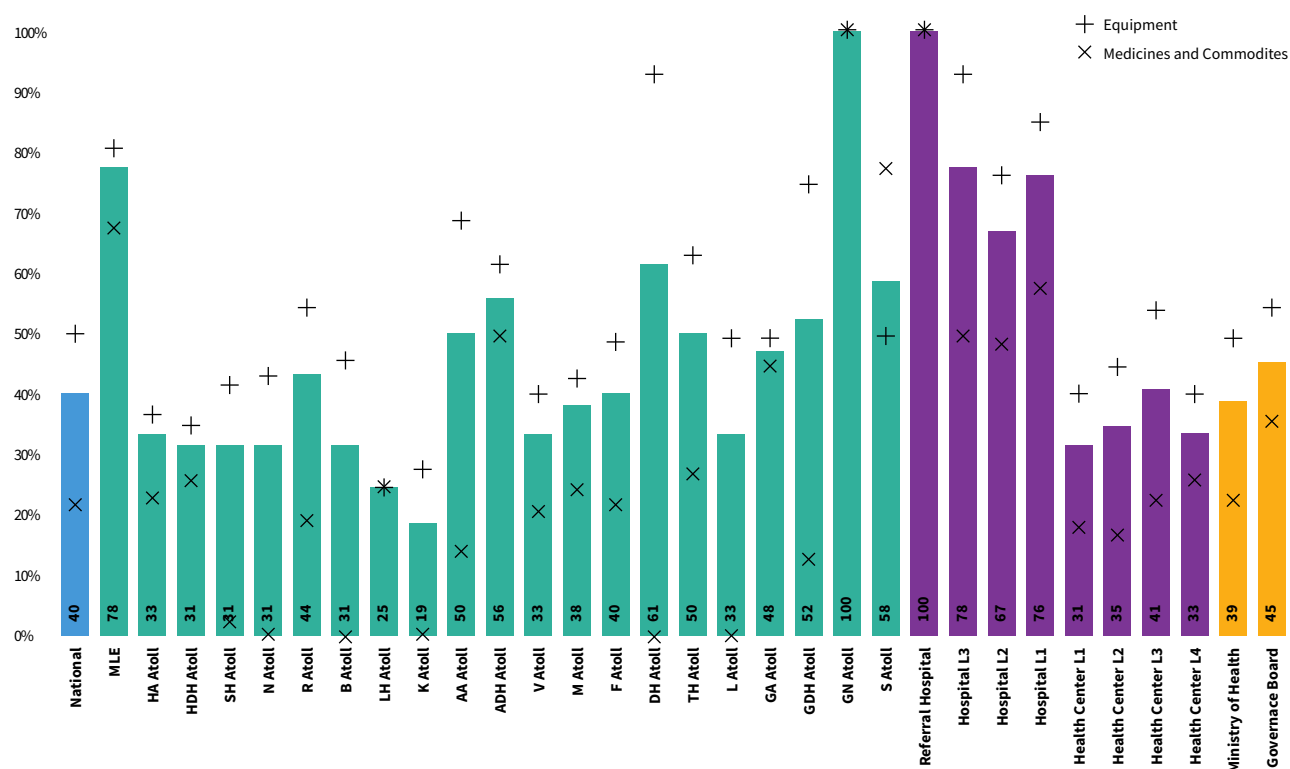


Fig. 124. Sepsis intervention readiness: mean proportion of all items at facilities by atoll and facility type

Sepsis intervention readiness:
Mean proportion of all items
at facilities by atoll

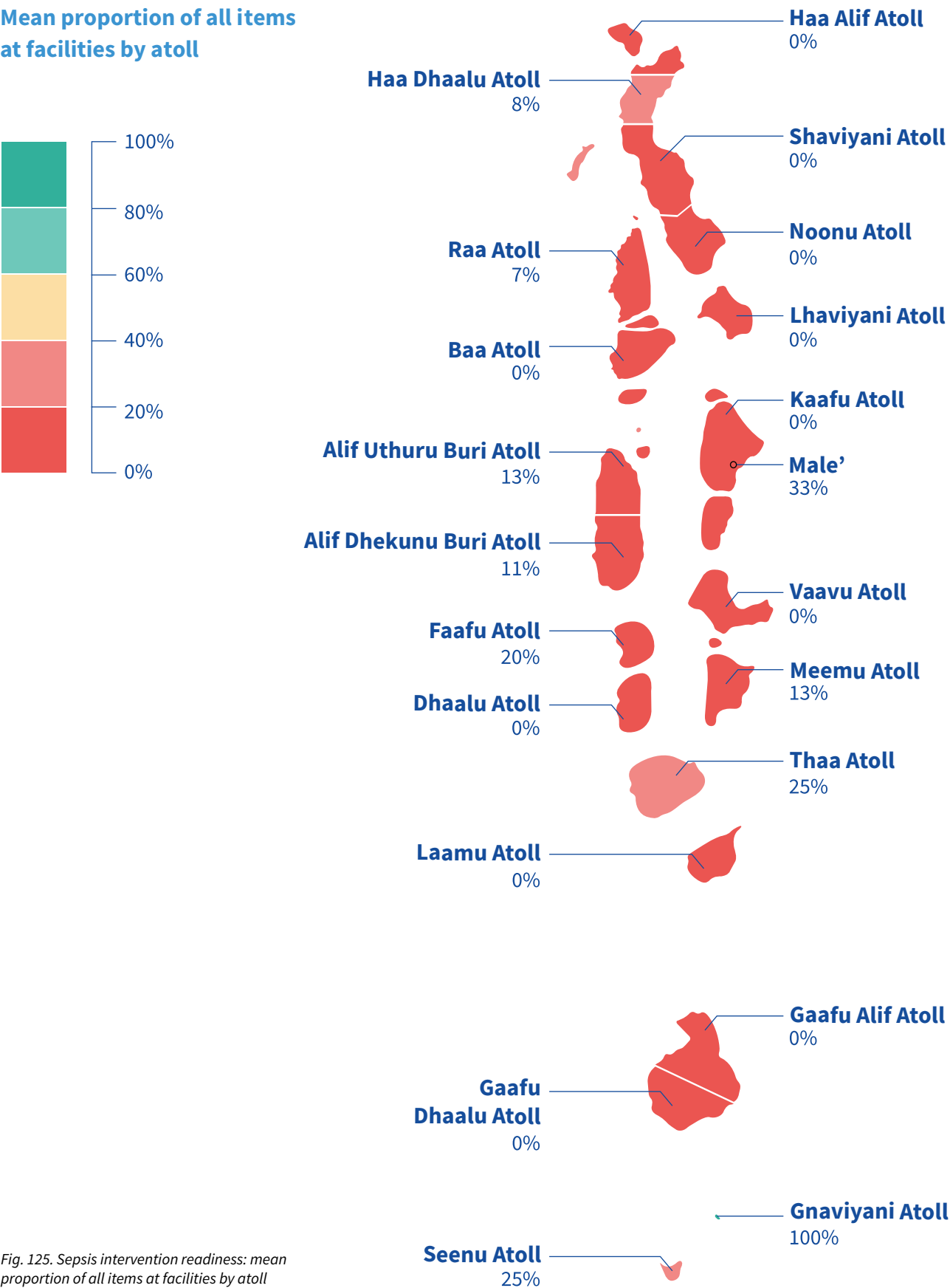


Fig. 125. Sepsis intervention readiness: mean proportion of all items at facilities by atoll

3.5.2.17. Injury intervention availability

Table 127. (3.5.2.17) Percentage of facilities offering emergency services with injury intervention by atoll and facility type

	Immobilization of cervical spine	Three-way dressing for sucking chest wound	Administration of opiate analgesia	Fasciotomy or escharotomy for compartment syndrome	Appropriate initial wound care	Immobilization of fractures	Closed reduction of fracture or dislocation	Administration of antibiotics for open fracture	Tetanus vaccination or IVIg	n
National	29%	11%	21%	2%	95%	68%	17%	53%	85%	168
MLE	100%	33%	100%	33%	100%	100%	100%	100%	100%	3
HA Atoll	0%	0%	14%	0%	100%	93%	7%	93%	93%	14
HDH Atoll	31%	0%	15%	0%	100%	92%	8%	23%	92%	13
SH Atoll	31%	0%	15%	0%	100%	92%	8%	85%	92%	13
N Atoll	8%	0%	8%	0%	92%	46%	8%	46%	62%	13
R Atoll	20%	7%	7%	0%	93%	27%	13%	7%	100%	15
B Atoll	31%	15%	23%	8%	85%	62%	23%	23%	62%	13
LH Atoll	25%	0%	75%	0%	100%	75%	50%	75%	100%	4
K Atoll	14%	14%	0%	0%	100%	43%	29%	14%	100%	7
AA Atoll	25%	13%	13%	13%	100%	38%	25%	63%	63%	8
ADH Atoll	67%	44%	44%	0%	89%	89%	11%	89%	67%	9
V Atoll	20%	20%	40%	0%	100%	60%	20%	80%	100%	5
M Atoll	0%	0%	38%	0%	100%	38%	25%	25%	88%	8
F Atoll	80%	20%	20%	0%	100%	80%	20%	40%	40%	5
DH Atoll	17%	17%	17%	0%	100%	83%	17%	67%	100%	6
TH Atoll	63%	25%	13%	0%	100%	100%	13%	88%	100%	8
L Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
GA Atoll	11%	0%	22%	0%	78%	44%	11%	67%	89%	9
GDH Atoll	33%	0%	11%	0%	100%	89%	0%	22%	100%	9
GN Atoll	100%	0%	100%	0%	100%	100%	100%	100%	100%	1
S Atoll	75%	100%	25%	0%	100%	100%	25%	100%	100%	4
Referral hospital	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
Hospital L3	83%	33%	83%	0%	83%	83%	67%	83%	83%	6
Hospital L2	56%	33%	100%	11%	89%	89%	100%	100%	100%	9
Hospital L1	86%	57%	86%	14%	100%	100%	86%	100%	86%	7
Health centre L1	20%	2%	10%	0%	94%	50%	4%	32%	78%	50
Health centre L2	24%	7%	12%	0%	100%	73%	2%	56%	83%	41
Health centre L3	16%	5%	7%	0%	98%	73%	9%	52%	91%	44
Health centre L4	40%	30%	10%	0%	80%	70%	10%	50%	90%	10

Appropriate initial wound care is provided at the majority of the facilities (95%) across the atolls, hospitals and health centres; 85% provide tetanus vaccination, 68% provide immobilization of fractures and 53% provide administration of antibiotics for fractures. Immobilization of cervical spine is, however, conducted at 29% of the facilities that include the majority of the hospitals and about 20%–40% of the health centres. Similarly, closed reduction is provided at 17% of the facilities, including the majority of the hospitals and a few health centres. Readiness indicators show that 14% of the items are at the facilities, with 8% of the facilities having cervical collar for cervical spine immobilization. About a third (39%) of the medicines and commodities are available, with the majority having antibiotics and tetanus toxoid. However, only 4% of the facilities have opiates, and 26% have splints and cast materials. Overall, 32% of the items are available across the facilities and only one Level 3 hospital (1% of the facilities) has all items.

3.5.2.18. Injury intervention readiness

Table 128. (3.5.2.18) Percentage of facilities offering emergency services with injury intervention readiness items by atoll and facility type

Equipment

	Cervical collar	Minor surgical kit	Mean proportion of equipment items at facilities	Opiate analgesic	Splints and cast materials	Antibiotics for open fractures	Tetanus toxoid	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	8%	20%	14%	4%	26%	78%	88%	39%	32%	1%	168
MLE	0%	67%	33%	0%	67%	67%	100%	47%	43%	0%	3
HA Atoll	0%	21%	11%	7%	7%	71%	79%	33%	27%	0%	14
HDH Atoll	23%	23%	23%	8%	8%	62%	100%	37%	33%	8%	13
SH Atoll	8%	8%	8%	0%	23%	77%	92%	40%	31%	0%	13
N Atoll	0%	0%	0%	0%	15%	85%	62%	32%	23%	0%	13
R Atoll	0%	20%	10%	7%	27%	93%	87%	43%	33%	0%	15
B Atoll	8%	0%	4%	0%	15%	69%	85%	34%	25%	0%	13
LH Atoll	25%	25%	25%	25%	25%	25%	100%	35%	32%	0%	4
K Atoll	14%	0%	7%	0%	14%	57%	100%	34%	27%	0%	7
AA Atoll	13%	13%	13%	0%	25%	88%	100%	43%	34%	0%	8
ADH Atoll	11%	44%	28%	0%	44%	78%	78%	40%	37%	0%	9
V Atoll	0%	20%	10%	0%	40%	60%	20%	24%	20%	0%	5
M Atoll	0%	25%	13%	13%	13%	75%	100%	40%	32%	0%	8
F Atoll	40%	20%	30%	0%	20%	80%	100%	40%	37%	0%	5
DH Atoll	0%	0%	0%	0%	67%	100%	100%	53%	38%	0%	6
TH Atoll	13%	25%	19%	0%	38%	88%	100%	45%	38%	0%	8
L Atoll	0%	0%	0%	0%	100%	100%	100%	60%	43%	0%	1
GA Atoll	0%	44%	22%	0%	33%	89%	89%	42%	37%	0%	9
GDH Atoll	11%	11%	11%	0%	44%	100%	100%	49%	38%	0%	9
GN Atoll	100%	100%	100%	100%	0%	100%	100%	60%	71%	0%	1
S Atoll	0%	75%	38%	25%	25%	75%	100%	45%	43%	0%	4
Referral hospital	0%	100%	50%	0%	0%	100%	100%	40%	43%	0%	1
Hospital L3	17%	50%	33%	50%	83%	100%	100%	70%	60%	17%	6
Hospital L2	56%	44%	50%	33%	89%	100%	100%	64%	60%	0%	9
Hospital L1	29%	57%	43%	14%	86%	86%	100%	57%	53%	0%	7
Health centre L1	2%	12%	7%	0%	10%	72%	78%	32%	25%	0%	50
Health centre L2	5%	15%	10%	0%	22%	68%	85%	35%	28%	0%	41
Health centre L3	2%	16%	9%	0%	18%	86%	95%	40%	31%	0%	44
Health centre L4	20%	20%	20%	0%	20%	70%	90%	36%	31%	0%	10

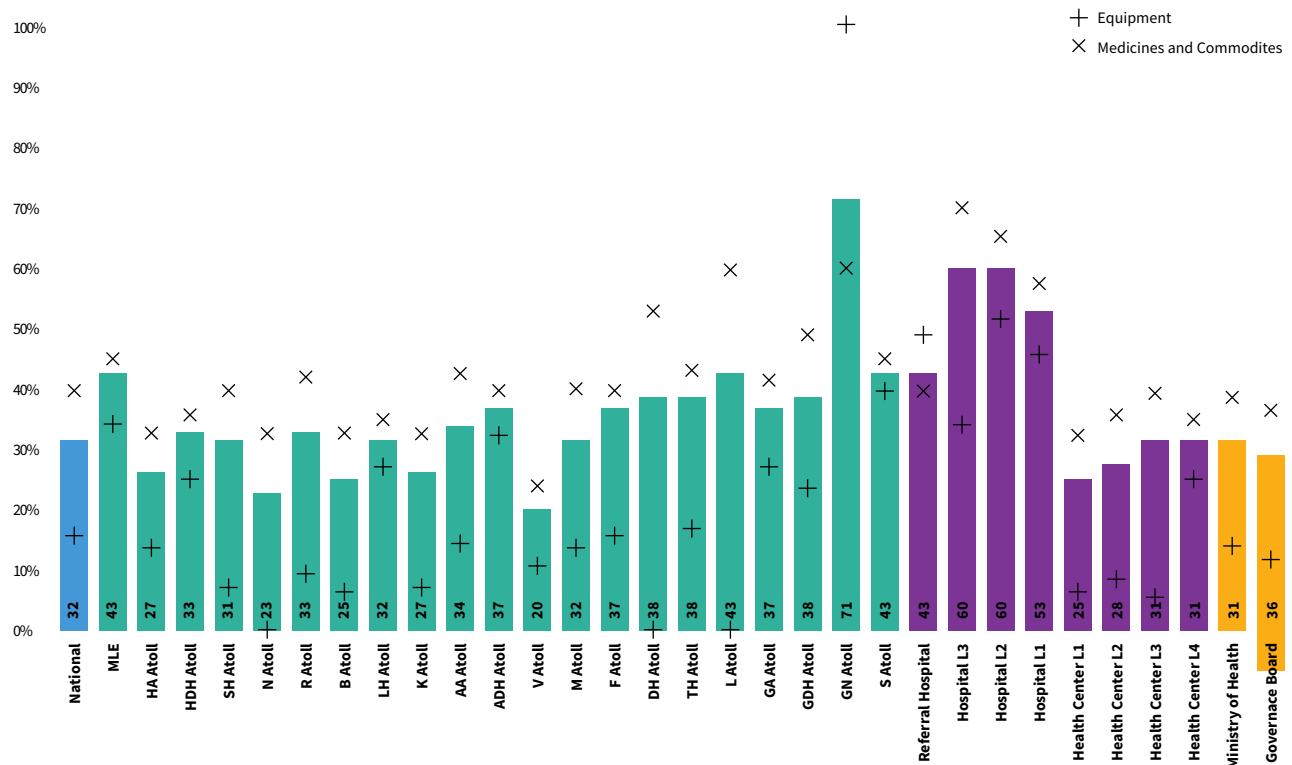


Fig. 126. Injury intervention readiness: mean proportion of all items at facilities by atoll and facility type

Injury intervention readiness:
Mean proportion of all items
at facilities by atoll

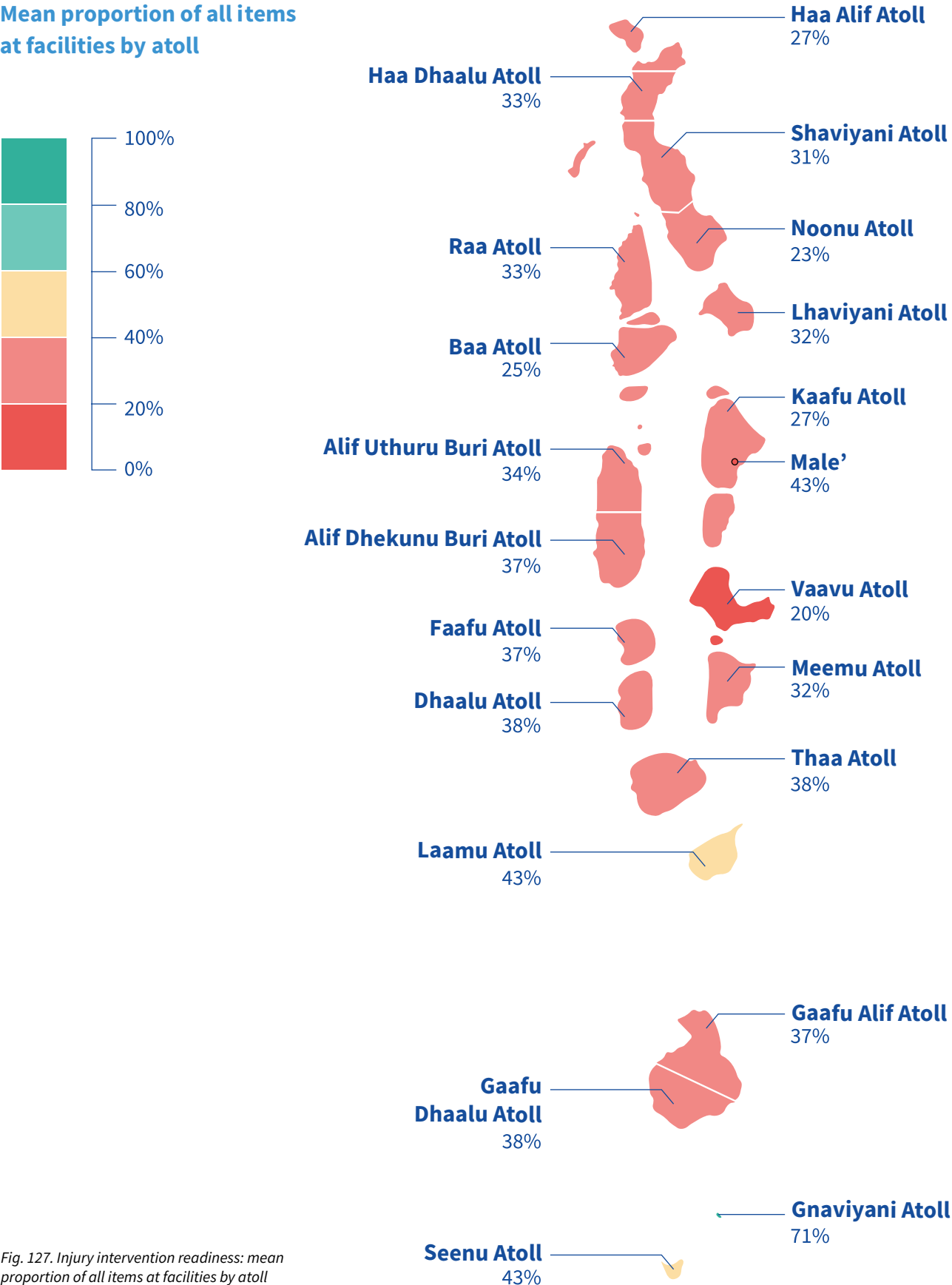


Fig. 127. Injury intervention readiness: mean proportion of all items at facilities by atoll

3.5.2.19. Other intervention availability

Table 129. (3.5.2.19) Percentage of facilities offering emergency services with other emergency intervention by atoll and facility type

	Mental status examination	Management of extreme temperatures	Provision of physical restraints	Administration of therapeutics for agitation	Procedural sedation	n
National	51%	83%	46%	24%	18%	168
MLE	67%	100%	67%	67%	100%	3
HA Atoll	100%	100%	43%	7%	21%	14
HDH Atoll	100%	85%	46%	15%	8%	13
SH Atoll	77%	100%	54%	23%	15%	13
N Atoll	23%	77%	23%	15%	23%	13
R Atoll	20%	100%	20%	13%	7%	15
B Atoll	31%	38%	15%	15%	15%	13
LH Atoll	75%	100%	50%	50%	25%	4
K Atoll	0%	100%	71%	14%	0%	7
AA Atoll	75%	100%	63%	50%	25%	8
ADH Atoll	11%	22%	67%	0%	22%	9
V Atoll	40%	100%	20%	20%	20%	5
M Atoll	0%	100%	50%	13%	13%	8
F Atoll	60%	80%	80%	20%	20%	5
DH Atoll	17%	50%	83%	17%	17%	6
TH Atoll	88%	100%	63%	50%	25%	8
L Atoll	0%	100%	0%	0%	0%	1
GA Atoll	22%	67%	44%	33%	22%	9
GDH Atoll	89%	89%	33%	67%	11%	9
GN Atoll	100%	100%	100%	100%	100%	1
S Atoll	50%	100%	75%	50%	25%	4
Referral hospital	100%	100%	100%	100%	100%	1
Hospital L3	83%	100%	83%	83%	83%	6
Hospital L2	67%	89%	78%	78%	100%	9
Hospital L1	57%	71%	86%	57%	86%	7
Health centre L1	38%	76%	26%	12%	10%	50
Health centre L2	59%	83%	41%	20%	7%	41
Health centre L3	50%	93%	55%	18%	5%	44
Health centre L4	40%	70%	40%	20%	0%	10

The majority (83%) of the facilities provide management of extreme temperatures and about half of the facilities provide other interventions, including mental status examination (51%) and provision of physical restraints (46%); fewer facilities provide administration of therapeutics for agitation (24%) and procedural sedation (18%). With regard to readiness, only 10% of the equipment and 33% of the medicines and commodities are available at the facilities, resulting in an average of 14% of the items being available at the facilities for interventions. Only 1% of the facilities (one Level 2 hospital) have all items for readiness for other interventions.

3.5.2.20. Other intervention readiness

Table 130. (3.5.2.20) Percentage of facilities offering emergency services with other emergency intervention readiness items by atoll and facility type

	Equipment			Medicines and commodities						
	Patient restraints	Vacuum extractor	Mean proportion of equipment items at facilities	Medicines for agitation (e.g. benzodiazepine)	Medicines for procedural sedation (lidocaine 1% or 2% and ketamine)	Oxytocin	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	9%	11%	10%	21%	49%	29%	33%	24%	1%	168
Atoll										
MLE	0%	67%	33%	0%	0%	0%	0%	13%	0%	3
HA Atoll	0%	29%	14%	21%	93%	43%	52%	37%	0%	14
HDH Atoll	8%	8%	8%	69%	100%	69%	79%	51%	0%	13
SH Atoll	8%	8%	8%	31%	62%	46%	46%	31%	0%	13
N Atoll	0%	8%	4%	0%	0%	0%	0%	2%	0%	13
R Atoll	0%	7%	3%	0%	100%	80%	60%	37%	0%	15
B Atoll	8%	8%	8%	15%	23%	8%	15%	12%	0%	13
LH Atoll	25%	0%	13%	75%	75%	50%	67%	45%	0%	4
K Atoll	14%	0%	7%	43%	43%	0%	29%	20%	0%	7
AA Atoll	13%	13%	13%	0%	13%	0%	4%	8%	0%	8
ADH Atoll	44%	0%	22%	0%	0%	0%	0%	9%	0%	9
V Atoll	0%	0%	0%	0%	20%	0%	7%	4%	0%	5
M Atoll	0%	13%	6%	13%	88%	50%	50%	33%	0%	8
F Atoll	40%	20%	30%	40%	60%	20%	40%	36%	0%	5
DH Atoll	17%	17%	17%	0%	0%	0%	0%	7%	0%	6
TH Atoll	13%	0%	6%	0%	13%	13%	8%	8%	0%	8
L Atoll	0%	100%	50%	0%	0%	0%	0%	20%	0%	1
GA Atoll	0%	11%	6%	0%	11%	11%	7%	7%	0%	9
GDH Atoll	0%	0%	0%	56%	67%	44%	56%	33%	0%	9
GN Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
S Atoll	0%	0%	0%	50%	100%	25%	58%	35%	0%	4
Facility type										
Referral hospital	0%	100%	50%	0%	0%	0%	0%	20%	0%	1
Hospital L3	0%	67%	33%	33%	50%	33%	39%	37%	0%	6
Hospital L2	56%	78%	67%	33%	33%	33%	33%	47%	11%	9
Hospital L1	29%	43%	36%	14%	14%	14%	14%	23%	0%	7
Health centre L1	6%	0%	3%	16%	50%	16%	27%	18%	0%	50
Health centre L2	10%	5%	7%	24%	51%	34%	37%	25%	0%	41
Health centre L3	0%	2%	1%	14%	52%	39%	35%	21%	0%	44
Health centre L4	10%	0%	5%	50%	70%	40%	53%	34%	0%	10
Managing authority										
Ministry of Health	11%	11%	11%	15%	37%	19%	24%	19%	1%	123
Governance Board	2%	11%	7%	36%	84%	58%	59%	38%	0%	45

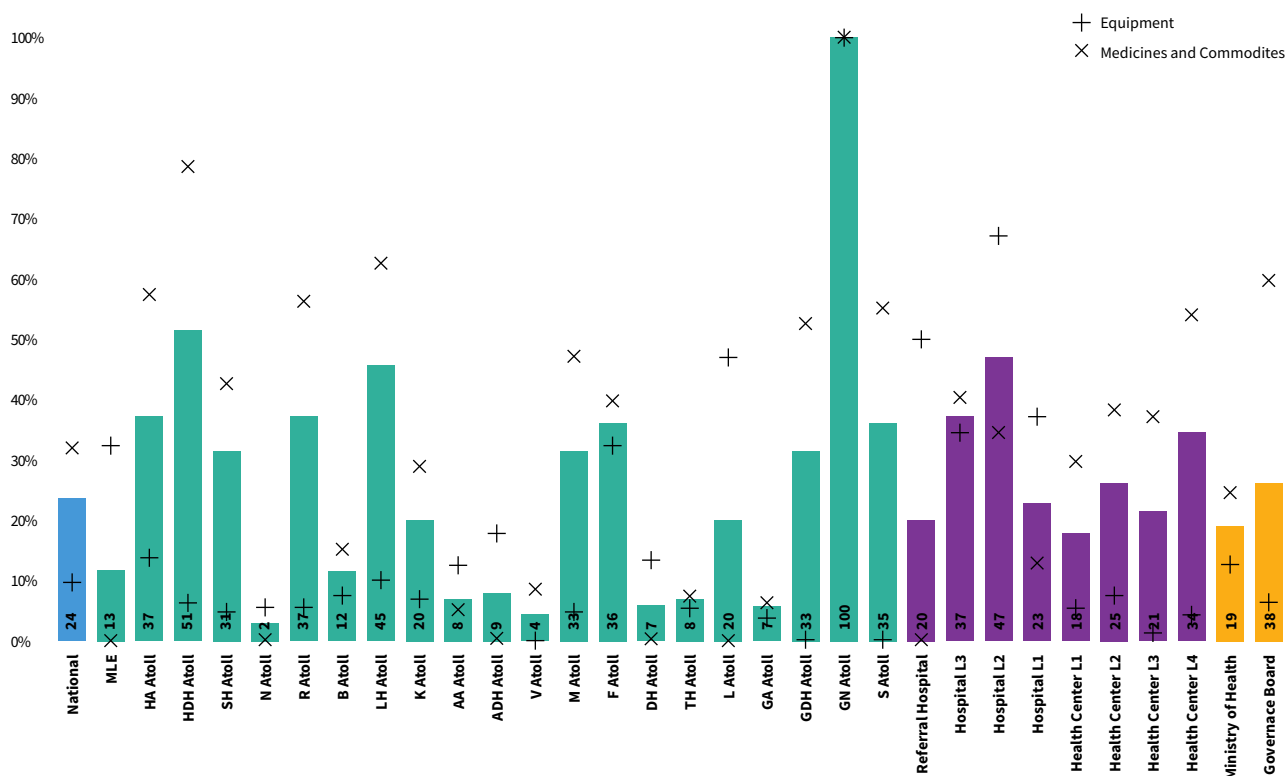


Fig. 128. Other intervention readiness: mean proportion of all items at facilities by atoll and facility type

3.5.3. Oxygen services

3.5.3.1. Oxygen service availability (in emergency service site)

Table 131. (3.5.3.1) Percentage of facilities offering oxygen service in emergency service site by atoll and facility type

	Ever provide oxygen in the emergency service area	n
National	98%	168
Atoll		
MLE	100%	3
HA Atoll	100%	14
HDH Atoll	100%	13
SH Atoll	100%	13
N Atoll	92%	13
R Atoll	100%	15
B Atoll	92%	13
LH Atoll	100%	4
K Atoll	100%	7
AA Atoll	88%	8
ADH Atoll	100%	9
V Atoll	100%	5
M Atoll	100%	8
F Atoll	100%	5
DH Atoll	100%	6
TH Atoll	100%	8
L Atoll	100%	1
GA Atoll	100%	9
GDH Atoll	100%	9
GN Atoll	100%	1
S Atoll	100%	4
Facility type		
Referral hospital	100%	1
Hospital L3	100%	6
Hospital L2	89%	9
Hospital L1	100%	7
Health centre L1	100%	50
Health centre L2	98%	41
Health centre L3	98%	44
Health centre L4	100%	10

Oxygen services are available at the majority (98%) of the facilities, at emergency sites across atolls, hospitals and health centres. Readiness for oxygen services is also high, with 92% of the items being available at the facilities and 84% of the facilities having all items.

3.5.3.2. Oxygen service readiness (in emergency service site)

Table 132. (3.5.3.2) Percentage of facilities offering oxygen service in emergency service site readiness items by atoll and facility type

	Reliable oxygen services	Pulse oximeter	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	86%	98%	92%	84%	165
Atoll					
MLE	100%	100%	100%	100%	3
HA Atoll	100%	100%	100%	100%	14
HDH Atoll	85%	100%	92%	85%	13
SH Atoll	100%	92%	96%	92%	13
N Atoll	100%	100%	100%	100%	12
R Atoll	93%	100%	97%	93%	15
B Atoll	42%	100%	71%	42%	12
LH Atoll	100%	100%	100%	100%	4
K Atoll	100%	100%	100%	100%	7
AA Atoll	43%	86%	64%	29%	7
ADH Atoll	89%	100%	94%	89%	9
V Atoll	80%	100%	90%	80%	5
M Atoll	100%	100%	100%	100%	8
F Atoll	80%	100%	90%	80%	5
DH Atoll	100%	100%	100%	100%	6
TH Atoll	50%	88%	69%	50%	8
L Atoll	100%	100%	100%	100%	1
GA Atoll	89%	89%	89%	78%	9
GDH Atoll	100%	100%	100%	100%	9
GN Atoll	100%	100%	100%	100%	1
S Atoll	75%	100%	88%	75%	4
Facility type					
Referral hospital	100%	100%	100%	100%	1
Hospital L3	50%	100%	75%	50%	6
Hospital L2	88%	100%	94%	88%	8
Hospital L1	100%	100%	100%	100%	7
Health centre L1	86%	100%	93%	86%	50
Health centre L2	80%	95%	88%	78%	40
Health centre L3	93%	95%	94%	88%	43
Health centre L4	90%	100%	95%	90%	10
Managing authority					
Ministry of Health	84%	97%	90%	82%	120
Governance Board	91%	100%	96%	91%	45

Oxygen service readiness (in emergency service site): Mean proportion of all items at facilities by atoll

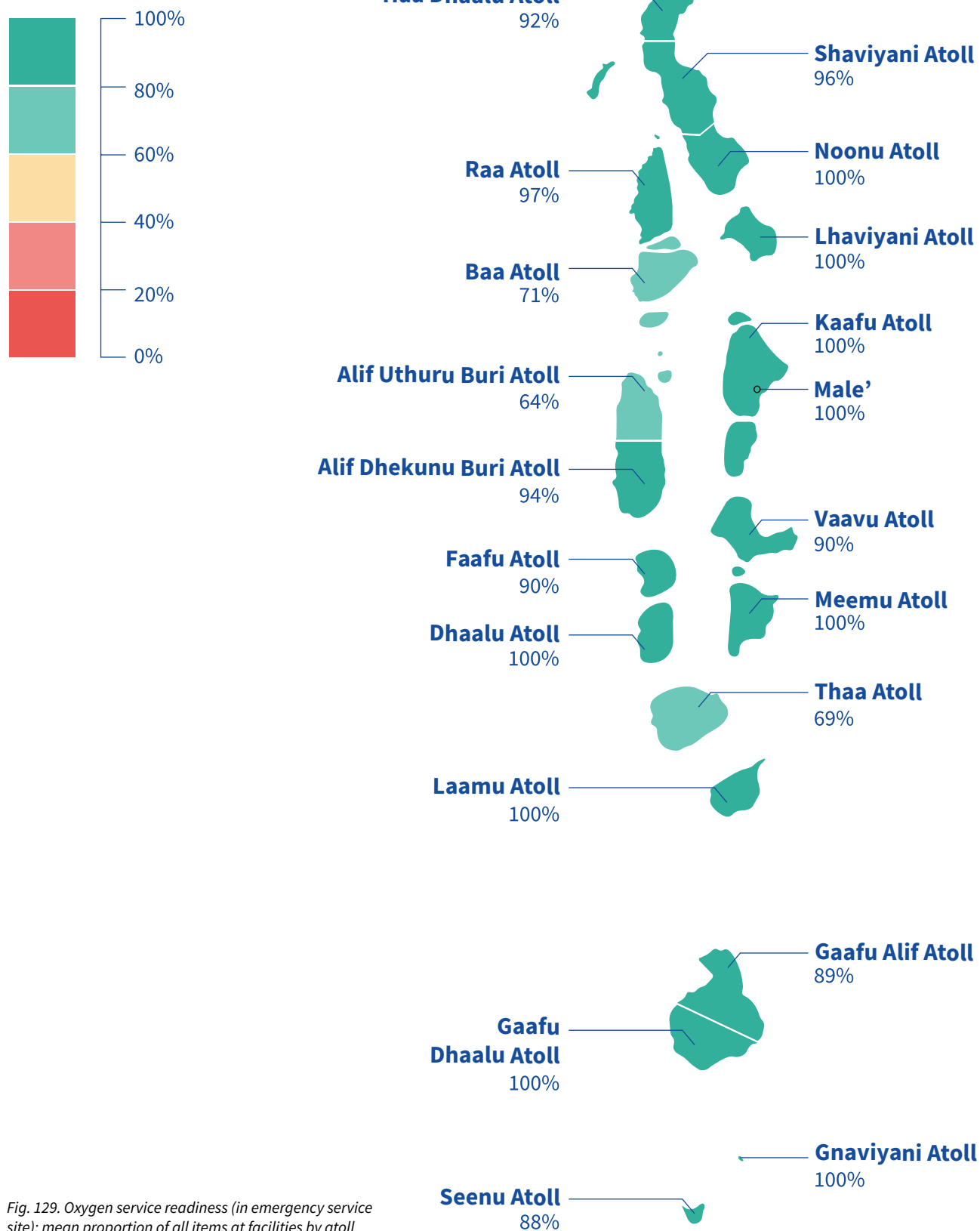


Fig. 129. Oxygen service readiness (in emergency service site): mean proportion of all items at facilities by atoll

3.6. Palliative and rehabilitative care

3.6.1. Palliative care

3.6.1.1. Palliative care service availability

Table 133. (3.6.1.1) Percentage of facilities offering palliative care service site by atoll and facility type

	Any palliative care services	Inpatient palliative care	Outpatient palliative care	Home-based palliative care	n
National	32%	16%	30%	29%	188
MLE	40%	40%	40%	0%	5
HA Atoll	93%	36%	93%	93%	14
HDH Atoll	31%	15%	23%	31%	13
SH Atoll	50%	29%	50%	50%	14
N Atoll	46%	8%	46%	46%	13
R Atoll	13%	13%	13%	7%	15
B Atoll	46%	15%	46%	38%	13
LH Atoll	25%	25%	0%	25%	4
K Atoll	0%	0%	0%	0%	9
AA Atoll	13%	13%	0%	13%	8
ADH Atoll	0%	0%	0%	0%	10
V Atoll	0%	0%	0%	0%	5
M Atoll	0%	0%	0%	0%	8
F Atoll	40%	20%	40%	20%	5
DH Atoll	0%	0%	0%	0%	6
TH Atoll	38%	0%	38%	38%	13
L Atoll	50%	30%	50%	60%	10
GA Atoll	0%	0%	0%	0%	9
GDH Atoll	33%	22%	22%	33%	9
GN Atoll	100%	100%	100%	100%	1
S Atoll	75%	75%	75%	0%	4
Referral hospital	100%	100%	100%	0%	1
Hospital L3	83%	83%	83%	50%	6
Hospital L2	33%	33%	33%	33%	9
Hospital L1	43%	43%	29%	43%	7
Health centre L1	25%	0%	25%	26%	57
Health centre L2	24%	0%	22%	24%	45
Health centre L3	43%	31%	39%	35%	49
Health centre L4	23%	23%	23%	15%	13
Other	0%	0%	0%	0%	1

Palliative care, including nursing care for the bedbound and pain management, is provided at about a third of the facilities (32%) and includes home-based (29%) and outpatient (30%) care. However, these services are provided at select facilities and hence, do not cover all atolls. Home-based care is not provided at any facilities in MLE, K, ADH, V, M, DH and GA atolls. Readiness indicators show that only 8% of the staff and guidelines are available, and 43% of the medicines and commodities are available at the facilities, with overall 39% of the items.

3.6.1.2. Palliative care readiness

Table 134. (3.6.1.2) Percentage of facilities offering palliative care service readiness items by atoll and facility type

	Staff and guidelines				Medicines and commodities								
	Guidelines for palliative care	Intravenous rehydration fluid with infusion set	Intravenous nutritional supplement	Oral nutritional supplements	Vitamin A capsules	Iron or iron with folic acid	Acetaminophen or ibuprofen	Opioid analgesics	Medicines for treatment of opioid dependence	Mean proportion of medicine and commodity items at facilities	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	8%	100%	7%	0%	54%	48%	97%	18%	20%	43%	39%	0%	61
Atoll													
MLE	0%	100%	50%	0%	100%	100%	100%	100%	100%	81%	72%	0%	2
HA Atoll	0%	100%	0%	0%	8%	23%	100%	0%	0%	29%	26%	0%	13
HDH Atoll	0%	100%	0%	0%	25%	0%	100%	0%	0%	28%	25%	0%	4
SH Atoll	14%	100%	14%	0%	0%	71%	100%	0%	0%	36%	33%	0%	7
N Atoll	0%	100%	0%	0%	83%	17%	100%	0%	0%	38%	33%	0%	6
R Atoll	0%	100%	0%	0%	100%	0%	100%	50%	50%	50%	44%	0%	2
B Atoll	33%	100%	17%	0%	83%	67%	83%	17%	33%	50%	48%	0%	6
LH Atoll	0%	100%	0%	0%	0%	0%	100%	0%	100%	38%	33%	0%	1
AA Atoll	0%	100%	0%	0%	100%	100%	100%	100%	100%	75%	67%	0%	1
F Atoll	0%	100%	50%	0%	50%	100%	50%	100%	50%	63%	56%	0%	2
TH Atoll	20%	100%	0%	0%	80%	0%	100%	0%	20%	38%	36%	0%	5
L Atoll	20%	100%	0%	0%	100%	100%	100%	20%	0%	53%	49%	0%	5
GDH Atoll	0%	100%	0%	0%	100%	67%	100%	33%	33%	54%	48%	0%	3
GN Atoll	0%	100%	0%	0%	100%	100%	100%	100%	100%	75%	67%	0%	1
S Atoll	0%	100%	0%	0%	67%	100%	100%	33%	33%	54%	48%	0%	3
Facility type													
Referral hospital	0%	100%	100%	0%	100%	100%	100%	100%	100%	88%	78%	0%	1
Hospital L3	0%	100%	0%	0%	100%	80%	100%	80%	80%	68%	60%	0%	5
Hospital L2	33%	100%	0%	0%	33%	100%	100%	33%	67%	54%	52%	0%	3
Hospital L1	0%	100%	33%	0%	67%	67%	100%	67%	67%	63%	56%	0%	3
Health centre L1	7%	100%	7%	0%	71%	36%	93%	7%	7%	40%	37%	0%	14
Health centre L2	0%	100%	0%	0%	27%	18%	100%	0%	0%	31%	27%	0%	11
Health centre L3	14%	100%	0%	0%	48%	52%	95%	10%	10%	39%	37%	0%	21
Health centre L4	0%	100%	33%	0%	33%	33%	100%	0%	0%	38%	33%	0%	3

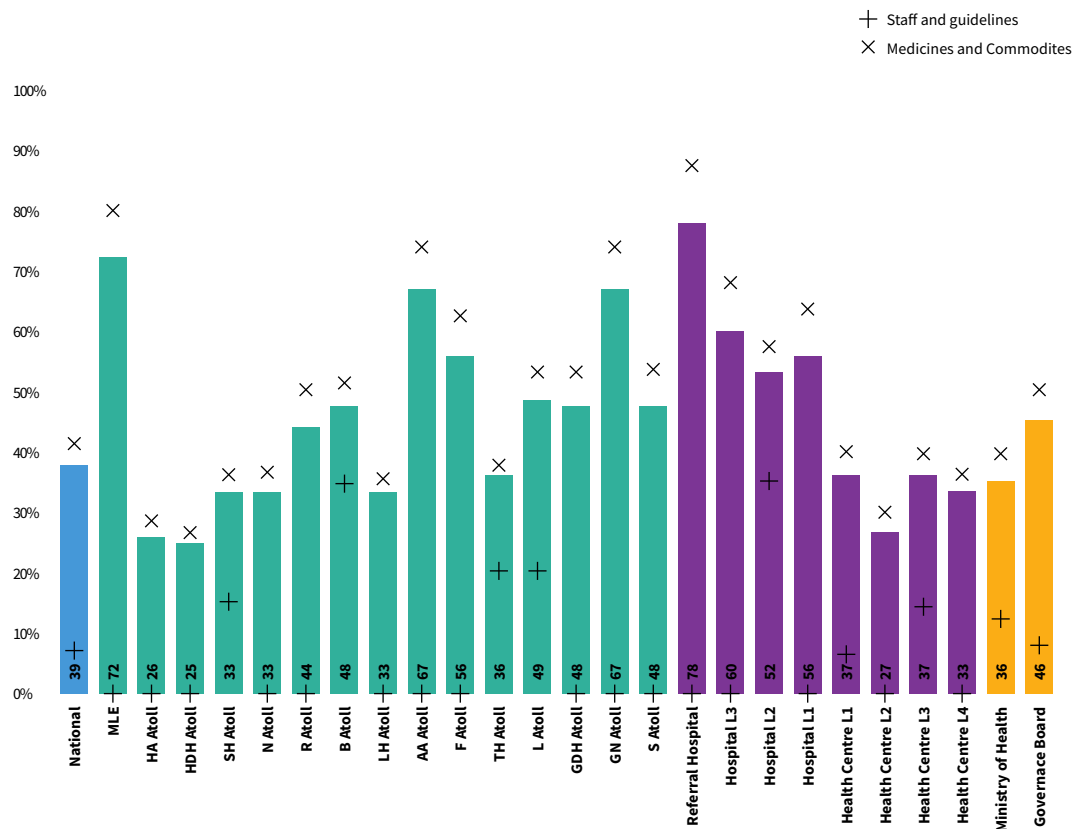


Fig. 130. Palliative care readiness: Mean proportion of all items at facilities

3.6.2. Rehabilitative care

3.6.2.1. Rehabilitation care availability

Table 135. (3.6.2.1) Percentage of facilities offering rehabilitation care service site by atoll and facility type

	Rehabilitative care	n
National	5%	188
Atoll		
MLE	60%	5
HA Atoll	0%	14
HDH Atoll	8%	13
SH Atoll	0%	14
N Atoll	8%	13
R Atoll	7%	15
B Atoll	0%	13
LH Atoll	25%	4
K Atoll	0%	9
AA Atoll	0%	8
ADH Atoll	0%	10
V Atoll	0%	5
M Atoll	13%	8
F Atoll	0%	5
DH Atoll	0%	6
TH Atoll	0%	13
L Atoll	0%	10
GA Atoll	0%	9
GDH Atoll	11%	9
GN Atoll	0%	1
S Atoll	25%	4
Facility type		
Referral hospital	100%	1
Hospital L3	83%	6
Hospital L2	11%	9
Hospital L1	29%	7
Health centre L1	0%	57
Health centre L2	0%	45
Health centre L3	0%	49
Health centre L4	0%	13
Other	0%	1

Rehabilitation services are provided at only 5% of the facilities. Services are provided at the national referral hospital and the majority of the Level 3 hospitals. Fewer Level 1 and Level 2 hospitals reported providing rehabilitation services; therefore, not all atolls have facilities providing rehabilitation services. However, readiness indicators show that the facilities have 61% of the items for providing rehabilitation services

3.6.2.2. Rehabilitative care readiness

Table 136. (3.6.2.2) Percentage of facilities offering rehabilitation care service readiness items by atoll and facility type

	Equipment									Medicines and commodities				
	Parallel bars	Height-adjustable treatment bed/plinth	Upper limb exercise equipment	Walking frames/ crutches/ walking sticks	Measuring tape/ goniometer	Casting and splinting kit	Audiometric equipment and booth	Paediatric rehabilitation equipment	Patient education materials	Mean proportion of equipment items at facilities	Compression bandages/ Tubigrip	Mean proportion of all items at facilities	Proportion of facilities with all items	n
National	70%	90%	90%	70%	90%	30%	30%	60%	40%	63%	40%	61%	10%	10
Atoll														
MLE	67%	100%	100%	67%	100%	0%	33%	100%	33%	67%	0%	60%	0%	3
HDH Atoll	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	1
N Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
R Atoll	100%	100%	100%	100%	100%	100%	0%	0%	0%	67%	100%	70%	0%	1
LH Atoll	100%	100%	100%	0%	100%	0%	0%	100%	0%	56%	0%	50%	0%	1
M Atoll	100%	100%	100%	100%	100%	0%	0%	0%	100%	67%	100%	70%	0%	1
GDH Atoll	100%	100%	100%	100%	100%	100%	0%	0%	0%	67%	100%	70%	0%	1
S Atoll	0%	100%	100%	100%	100%	0%	100%	100%	100%	78%	0%	70%	0%	1
Facility type														
Referral hospital	100%	100%	100%	100%	100%	0%	100%	100%	0%	78%	0%	70%	0%	1
Hospital L3	80%	100%	100%	100%	100%	60%	40%	60%	60%	78%	60%	76%	20%	5
Hospital L2	100%	100%	100%	0%	100%	0%	0%	100%	0%	56%	0%	50%	0%	1
Hospital L1	50%	100%	100%	50%	100%	0%	0%	50%	50%	56%	50%	55%	0%	2

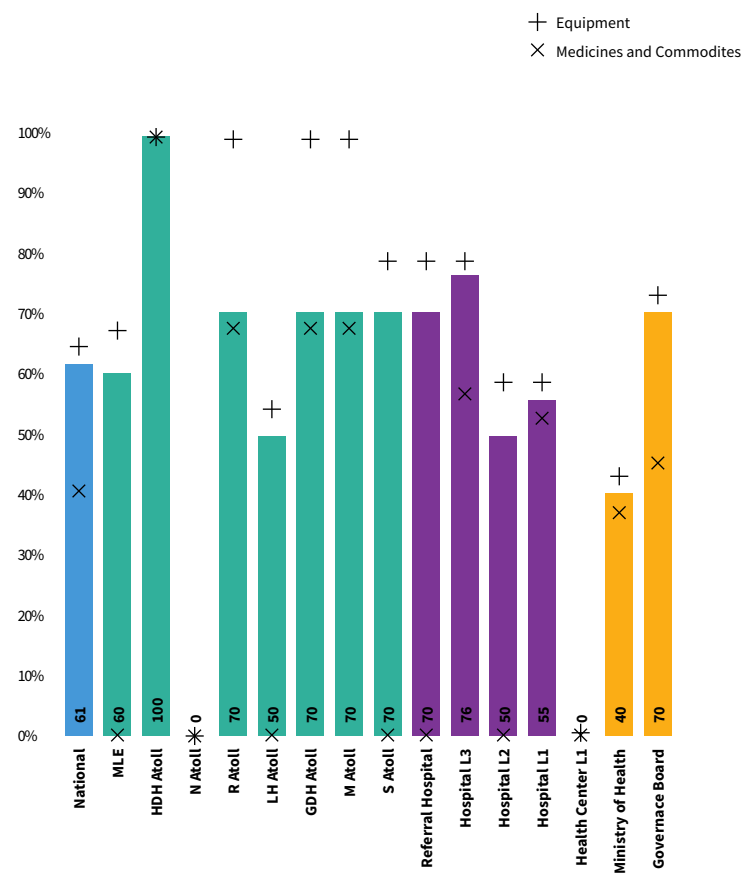


Fig. 131. Rehabilitative care readiness: mean proportion of all items at facilities by atoll and facility type

Volume 4 - Management and Financing

4.1. Facility governance and management

4.1.1. Governance and management systems

4.1.1.1. Facility governance and management

Table 137. (4.1.1.1) Percentage of facilities with facility governance and management systems by atoll and facility type

	A facility management committee responsible for overall facility management that has met within past three months	Minutes/notes available from most recent facility management committee meeting	A routine system for eliciting community input into facility management decisions	Formal systems for linking services with community volunteers or CSOs for any services	n
National	35%	24%	7%	0%	188
Atoll					
MLE	60%	60%	0%	0%	5
HA Atoll	36%	21%	0%	0%	14
HDH Atoll	31%	23%	0%	0%	13
SH Atoll	43%	29%	0%	0%	14
N Atoll	31%	8%	0%	0%	13
R Atoll	40%	20%	0%	0%	15
B Atoll	23%	15%	8%	0%	13
LH Atoll	50%	50%	50%	0%	4
K Atoll	11%	0%	0%	0%	9
AA Atoll	38%	25%	13%	0%	8
ADH Atoll	20%	10%	10%	0%	10
V Atoll	20%	20%	0%	0%	5
M Atoll	38%	13%	25%	0%	8
F Atoll	40%	40%	0%	0%	5
DH Atoll	50%	33%	0%	0%	6
TH Atoll	46%	31%	46%	0%	13
L Atoll	30%	30%	10%	0%	10
GA Atoll	22%	22%	0%	0%	9
GDH Atoll	33%	33%	0%	0%	9
GN Atoll	100%	100%	0%	0%	1
S Atoll	75%	75%	0%	0%	4
Facility type					
Referral hospital	100%	100%	0%	0%	1
Hospital L3	100%	83%	0%	0%	6
Hospital L2	100%	67%	22%	0%	9
Hospital L1	86%	57%	14%	0%	7
Health centre L1	0%	0%	0%	0%	57
Health centre L2	0%	0%	0%	0%	45
Health centre L3	73%	49%	20%	0%	49
Health centre L4	54%	38%	8%	0%	13
Other	100%	100%	0%	0%	1
Managing authority					
Ministry of Health	34%	22%	10%	0%	134
Governance Board	39%	31%	2%	0%	54

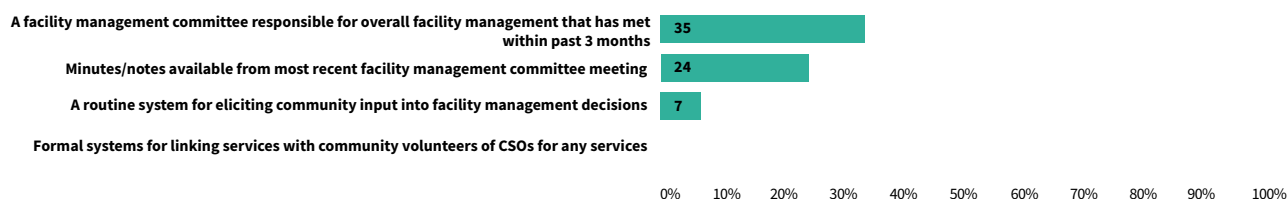


Fig. 132. Percentage of facilities with facility governance and management

Facility management is an important contributor to health facility performance. The quality of health care delivered at hospitals and patient health outcomes are dependent not only on the availability of physical inputs and competent providers, but also on the health-care system, including management, leadership and financing.

More than one third (35%) of the facilities have had a facility management committee responsible for overall facility management at the national level in the past three months. In Malé, LH, DH, GN and S atolls, more than half of the facilities have had facility management committees responsible for overall facility management during the past three months. Apart from hospitals at L1, all hospitals in the country (100%) have had a facility management committee established at the time of the survey.

Nearly one fourth of the facilities (24%) have kept meeting minutes from the most recent facility management committee meeting at the national level. In Malé, at 60% of the facilities, minutes/notes from the most recent facility management committee meetings are available. The meeting minutes have been kept by 75% of the facilities in S Atoll and by 75% of the facilities in LH Atoll, the facility at GN Atoll and the national referral hospital. None of the facilities in K Atoll has kept the meeting minutes from the most recent facility management committee meeting.

At the national level, 7% of the facilities have a routine system for eliciting community input into facility management decisions. Among the atolls, those which have a routine system for eliciting community input into facility management decisions include B, L, AA, ADH, M, TH and L atolls.

4.1.2. Support services

4.1.2.1. Support services for routine facility functioning

Table 138. (4.1.2.1) Percentage of facilities with support services for routine facility functioning by atoll and facility type

	Human resources services	Finance/accounting services	Social services	Staff transportation services	Facility motor pool/vehicle management services	Staff housing services	Canteen/food services for facility staff	Building maintenance services	Cleaning/housekeeping services	Laundry services	Patient food services/patient kitchen	Mortuary	General administration that manages any of the service units	n
National	4%	4%	0%	9%	6%	0%	1%	40%	70%	79%	0%	0%	86%	188
Atoll														
MLE	40%	40%	0%	20%	40%	0%	20%	60%	60%	80%	0%	0%	100%	5
HA Atoll	0%	0%	0%	43%	0%	0%	0%	71%	93%	100%	0%	0%	100%	14
HDH Atoll	8%	8%	0%	0%	8%	0%	0%	8%	38%	38%	0%	0%	77%	13
SH Atoll	0%	0%	0%	0%	0%	0%	0%	43%	86%	86%	0%	0%	100%	14
N Atoll	0%	0%	0%	0%	0%	0%	0%	46%	54%	54%	0%	0%	100%	13
R Atoll	7%	7%	0%	0%	7%	0%	0%	7%	7%	47%	0%	0%	93%	15
B Atoll	0%	0%	0%	8%	15%	0%	0%	15%	100%	92%	0%	0%	85%	13
LH Atoll	0%	0%	0%	75%	25%	0%	0%	75%	75%	75%	0%	0%	100%	4
K Atoll	0%	0%	0%	0%	0%	0%	0%	56%	78%	78%	0%	0%	67%	9
AA Atoll	0%	0%	0%	13%	0%	0%	0%	38%	100%	100%	0%	0%	100%	8
ADH Atoll	0%	0%	0%	0%	0%	0%	0%	50%	100%	100%	0%	0%	70%	10
V Atoll	0%	0%	0%	20%	0%	0%	0%	0%	60%	40%	0%	0%	80%	5
M Atoll	0%	0%	0%	0%	0%	0%	0%	13%	0%	50%	0%	0%	13%	8
F Atoll	0%	0%	0%	0%	0%	0%	20%	20%	80%	100%	0%	0%	100%	5
DH Atoll	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	100%	6
TH Atoll	0%	0%	0%	0%	8%	0%	0%	15%	92%	100%	0%	0%	100%	13
L Atoll	10%	10%	0%	10%	10%	0%	0%	70%	90%	100%	0%	0%	50%	10
GA Atoll	0%	0%	0%	22%	11%	0%	0%	56%	67%	78%	0%	0%	89%	9
GDH Atoll	22%	22%	0%	11%	11%	0%	0%	78%	89%	89%	0%	0%	100%	9
GN Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	1
S Atoll	25%	25%	0%	0%	25%	0%	0%	25%	25%	100%	0%	0%	100%	4
Facility type														
Referral hospital	100%	100%	0%	0%	100%	0%	0%	100%	0%	100%	0%	0%	100%	1
Hospital L3	100%	100%	0%	33%	100%	0%	17%	100%	17%	100%	0%	0%	100%	6
Hospital L2	0%	0%	0%	22%	44%	0%	0%	67%	56%	100%	0%	0%	100%	9
Hospital L1	0%	0%	0%	0%	14%	0%	14%	57%	71%	86%	0%	0%	100%	7
Health centre L1	0%	0%	0%	4%	0%	0%	0%	33%	67%	67%	0%	0%	84%	57
Health centre L2	2%	2%	0%	13%	0%	0%	0%	31%	82%	80%	0%	0%	89%	45
Health centre L3	0%	0%	0%	4%	0%	0%	0%	39%	67%	82%	0%	0%	84%	49
Health centre L4	0%	0%	0%	23%	0%	0%	0%	46%	85%	100%	0%	0%	69%	13
Other	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	1
Managing authority														
Ministry of Health	0%	0%	0%	11%	4%	0%	1%	42%	79%	84%	0%	0%	87%	134
Governance Board	15%	15%	0%	4%	13%	0%	2%	35%	46%	69%	0%	0%	83%	54

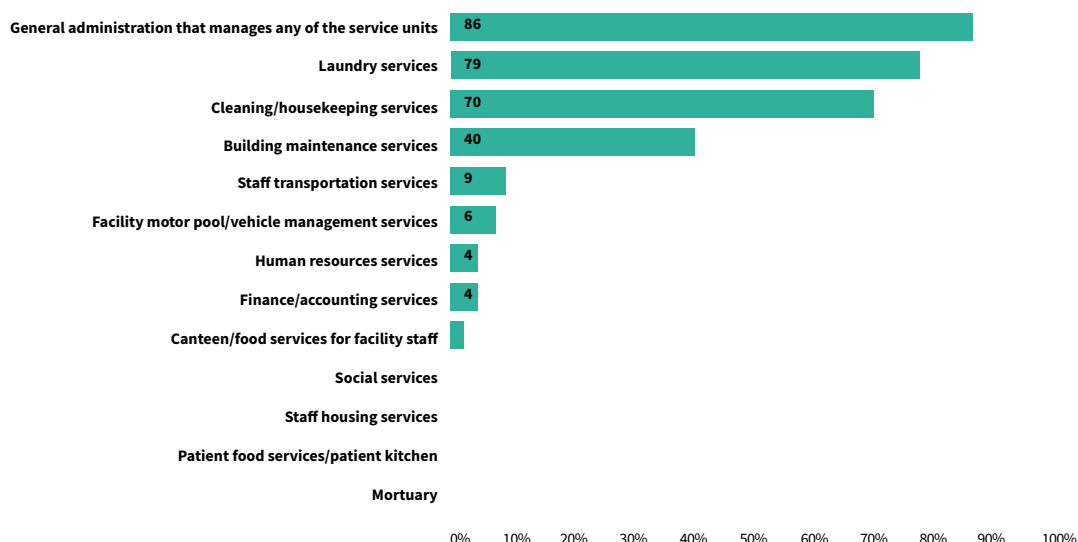


Fig. 133. Percentage of facilities with support services for routine functioning of facilities

Human resources are a key component of an effective health delivery system; it is important that health workers have the right skills to be better motivated. Hence, it is important to monitor the support services for routine functioning to identify gaps.

Among all government health facilities in the country, 86% of the facilities have general administration that manages any of the service units. In Malé, HA, SH, N, LH, AA, F, DH, TH, GDH, GN and S atolls, all facilities (100%) have general administration that manages any of the service units. By looking at the facility type, apart from the health centres, all hospitals have general administration that manages any of the service units.

Furthermore, 79% of the facilities provide laundry services in the country. All facilities in HA, AA, ADH, F, DH, TH, L, GN and S atolls provide laundry services. In V atoll, only 40% of the facilities provide laundry services and 47% of the facilities in R Atoll provide laundry services.

Cleaning/housekeeping services are carried out at 70% of the facilities throughout the country. All facilities in B, AA, ADH and DH atolls have cleaning/housekeeping services. In M and GN atolls, none of the facilities has cleaning/housekeeping services while only 7% of the facilities in R Atoll has cleaning/housekeeping services.

At the national level, 9% of the facilities provide staff transportation services and 8% of the facilities provide facility motor pool/vehicle management services. Human resource services and finance/ accounting services are provided by 4% of the facilities at the national level. Only 1% of the facilities provide canteen/ food services for facility staff.

4.1.3. Maintenance and repair

4.1.3.1. Routine maintenance systems for infrastructure, vehicles and equipment

Table 139. (4.1.3.1) Percentage of facilities with routine maintenance systems for infrastructure, vehicles and equipment by atoll and facility type

	Routine maintenance systems for any facility vehicles	Systems for routine maintenance of any infrastructure, such as electrical, water, sanitation or ventilation systems, incinerator, generator	Systems for routine maintenance of the electrical system	Systems for routine maintenance of generators	Systems for routine maintenance of the solar power system	A process for repairing or replacing small medical equipment	Systems for routine maintenance of the water system	Systems for routine maintenance of sanitation and sewage system	Systems for routine maintenance of ventilation system	n
National	40%	37%	6%	5%	0%	31%	3%	3%	2%	188
Atoll										
MLE	67%	40%	40%	40%	0%	60%	0%	0%	20%	5
HA Atoll	38%	86%	0%	0%	0%	79%	0%	0%	0%	14
HDH Atoll	46%	15%	0%	0%	0%	31%	0%	0%	0%	13
SH Atoll	21%	64%	14%	7%	0%	50%	7%	7%	7%	14
N Atoll	17%	23%	0%	0%	0%	23%	0%	0%	0%	13
R Atoll	60%	7%	7%	7%	0%	7%	0%	0%	0%	15
B Atoll	25%	38%	0%	0%	0%	31%	0%	0%	0%	13
LH Atoll	25%	75%	25%	0%	0%	50%	25%	0%	0%	4
K Atoll	44%	22%	0%	0%	0%	0%	0%	0%	0%	9
AA Atoll	25%	38%	0%	13%	0%	13%	0%	0%	0%	8
ADH Atoll	60%	70%	0%	0%	0%	80%	0%	0%	0%	10
V Atoll	20%	80%	0%	0%	0%	40%	0%	0%	0%	5
M Atoll	50%	0%	0%	0%	0%	0%	0%	0%	0%	8
F Atoll	40%	60%	0%	0%	0%	0%	0%	0%	0%	5
DH Atoll	17%	0%	0%	0%	0%	33%	0%	0%	0%	6
TH Atoll	31%	15%	8%	0%	0%	8%	8%	8%	8%	13
L Atoll	33%	20%	20%	10%	0%	50%	10%	10%	0%	10
GA Atoll	78%	44%	0%	0%	0%	0%	0%	0%	0%	9
GDH Atoll	33%	33%	11%	11%	0%	11%	11%	11%	0%	9
GN Atoll	100%	100%	100%	100%	0%	0%	100%	100%	0%	1
S Atoll	100%	25%	0%	25%	0%	75%	0%	0%	0%	4
Facility type										
Referral hospital	100%	100%	100%	100%	0%	100%	0%	0%	0%	1
Hospital L3	83%	67%	67%	83%	0%	100%	33%	33%	17%	6
Hospital L2	56%	67%	33%	22%	0%	33%	33%	22%	0%	9
Hospital L1	57%	71%	0%	14%	0%	29%	0%	0%	0%	7
Health centre L1	20%	25%	2%	0%	0%	21%	0%	0%	2%	57
Health centre L2	38%	38%	0%	0%	0%	29%	0%	0%	0%	45
Health centre L3	54%	37%	4%	0%	0%	31%	2%	2%	2%	49
Health centre L4	27%	31%	0%	0%	0%	38%	0%	0%	0%	13
Other	-	0%	0%	0%	0%	100%	0%	0%	0%	1
Managing authority										
Ministry of Health	36%	43%	4%	2%	0%	31%	3%	2%	1%	134
Governance Board	50%	20%	11%	11%	0%	30%	4%	4%	2%	54

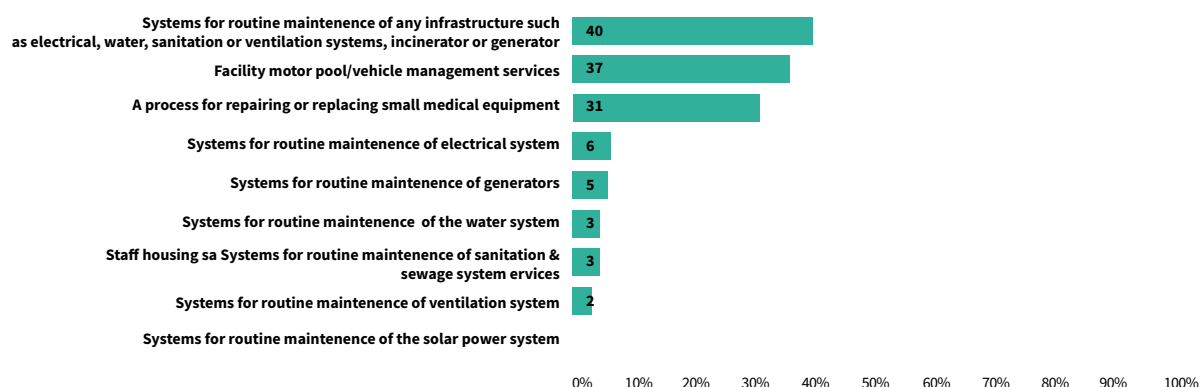


Fig. 134. Routine maintenance systems for infrastructure, vehicles and equipment

Across all government health facilities in the country, 40% have established routine maintenance systems for any facility vehicle. All facilities in GN and S atolls have routine maintenance systems for any facility vehicle. More than 60% of the facilities in Malé, R, ADH and GA atolls have some form of routine maintenance systems for facility vehicles. By looking at the facility type, all referral hospitals have established routine maintenance systems for any facility vehicle.

Furthermore, 37% of the facilities in the country have systems for routine maintenance of any kind of infrastructure, such as electrical, water, sanitation or ventilation systems, incinerators and generators. The proportion of systems for routine maintenance of any kind of infrastructure, such as electrical, water, sanitation or ventilation systems, incinerators and generators, is higher among hospitals, compared with health centres. More than 80% of the facilities in HA and V atolls have established systems for routine maintenance of any kind of infrastructure. None of the facilities in DH Atoll has placed systems for routine maintenance of any kind of infrastructure and only 7% of the facilities in R Atoll have established systems for routine maintenance of infrastructure.

A process for repairing or replacing small medical equipment has been carried out by 31% of the facilities. All referral hospitals and hospitals at the L3 level have followed the process for repairing or replacing small medical equipment.

Systems for routine maintenance of electric systems, generators, water systems, sanitation and sewerage systems, and ventilation systems have been established by 6%, 5%, 3%, 3% and 1% of the facilities respectively at the national level.

Percentage of facilities with systems for routine maintenance of generators

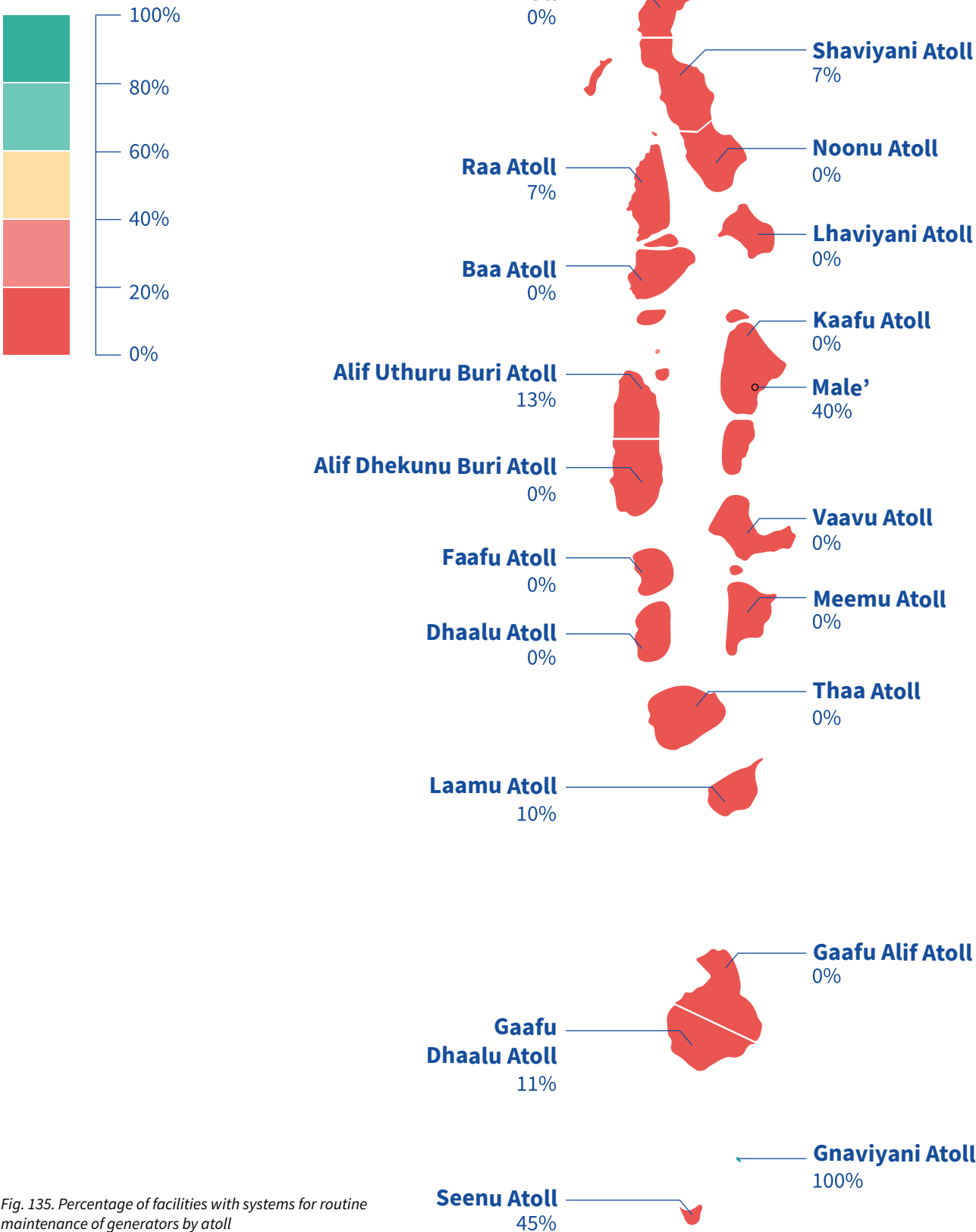


Fig. 135. Percentage of facilities with systems for routine maintenance of generators by atoll

4.1.3.2. Recalibration of medical equipment

Table 140. (4.1.3.2) Percentage of facilities with system for recalibration of medical equipment by atoll and facility type

	Percentage of facilities with electronic weighing scales (paediatric) ever recalibrated	Percentage of facilities with electronic weighing scales (adult) ever recalibrated	Percentage of facilities with automated analyser in the laboratory ever recalibrated	Percentage of facilities with thermometers used for the vaccine refrigerators ever recalibrated	Percentage of facilities with any other medical devices ever recalibrated	
National	7%	7%	35%	0%	4%	188
Atoll						
MLE	20%	20%	40%	0%	0%	5
HA Atoll	7%	0%	50%	0%	0%	14
HDH Atoll	0%	0%	46%	0%	0%	13
SH Atoll	21%	21%	43%	0%	7%	14
N Atoll	0%	0%	31%	0%	0%	13
R Atoll	0%	0%	40%	0%	7%	15
B Atoll	15%	15%	23%	0%	0%	13
LH Atoll	50%	50%	75%	0%	25%	4
K Atoll	0%	0%	11%	0%	0%	9
AA Atoll	0%	0%	25%	0%	0%	8
ADH Atoll	10%	10%	50%	0%	10%	10
V Atoll	0%	0%	0%	0%	0%	5
M Atoll	0%	0%	25%	0%	0%	8
F Atoll	0%	0%	40%	0%	0%	5
DH Atoll	0%	0%	33%	0%	0%	6
TH Atoll	15%	15%	46%	0%	0%	13
L Atoll	10%	10%	50%	0%	10%	10
GA Atoll	0%	0%	0%	0%	11%	9
GDH Atoll	11%	11%	11%	0%	11%	9
GN Atoll	0%	0%	0%	0%	0%	1
S Atoll	0%	0%	75%	0%	0%	4
Facility type						
Referral hospital	0%	0%	100%	0%	0%	1
Hospital L3	50%	50%	100%	0%	50%	6
Hospital L2	11%	11%	56%	0%	0%	9
Hospital L1	14%	14%	57%	0%	0%	7
Health centre L1	5%	5%	9%	0%	0%	57
Health centre L2	4%	2%	29%	0%	4%	45
Health centre L3	6%	6%	53%	0%	0%	49
Health centre L4	8%	8%	46%	0%	15%	13
Other	0%	0%	0%	0%	0%	1
Managing authority						
Ministry of Health	8%	7%	32%	0%	3%	134
Governance Board	6%	6%	43%	0%	6%	54

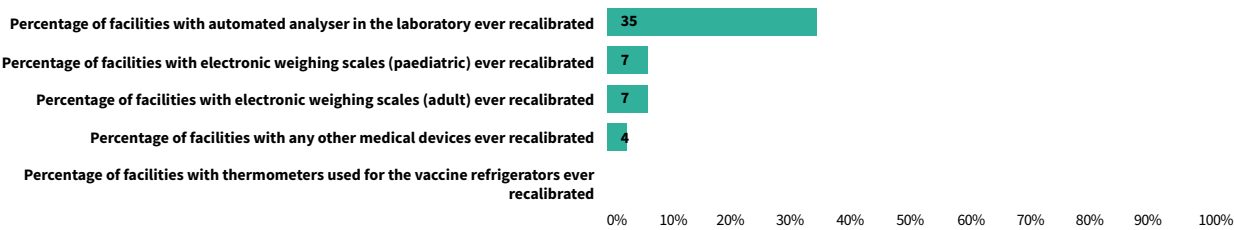


Fig. 136. Percentage of facilities with systems for recalibration of medical equipment by atoll

Looking at all government facilities, 35% of the facilities with automated analysers in the laboratories have been ever recalibrated. In S and LH atolls, 75% of the facilities with automated analysers in the laboratories have been ever recalibrated. In HA, ADH and L atolls, 50% of the facilities with automated analysers in the laboratories have been ever recalibrated. Regarding Malé, the data show that 40% of the facilities with automated analysers in the laboratories have been ever recalibrated.

Only 7% of the facilities with electronic weighing scales (paediatric) have been ever recalibrated and 7% of the facilities with electronic weighing scales (adult) have been ever recalibrated; only 4% of the facilities with any other medical devices have been ever recalibrated.

4.2. Facility finances and accounting

4.2.1. Budget

4.2.1.1. Facility budget

Table 141. (4.2.1.1) Percentage of facilities with facility budget by atoll and facility type by atoll and facility type

	Budgeted annual workplan	Budget line item for grounds maintenance and repair	Budget line item for building infrastructure maintenance and repair	Budget line item for routine maintenance and repair of medical equipment	n
National	57%	46%	62%	20%	188
Atoll					
MLE	100%	100%	80%	60%	5
HA Atoll	57%	14%	57%	7%	14
HDH Atoll	15%	46%	8%	8%	13
SH Atoll	86%	21%	79%	21%	14
N Atoll	62%	77%	92%	54%	13
R Atoll	13%	13%	20%	13%	15
B Atoll	54%	46%	62%	8%	13
LH Atoll	75%	75%	75%	50%	4
K Atoll	67%	44%	56%	22%	9
AA Atoll	75%	63%	63%	13%	8
ADH Atoll	70%	70%	70%	10%	10
V Atoll	60%	80%	80%	20%	5
M Atoll	50%	38%	100%	25%	8
F Atoll	100%	40%	80%	20%	5
DH Atoll	100%	67%	100%	0%	6
TH Atoll	100%	62%	77%	23%	13
L Atoll	10%	10%	30%	10%	10
GA Atoll	22%	44%	67%	22%	9
GDH Atoll	67%	67%	78%	11%	9
GN Atoll	100%	100%	100%	100%	1
S Atoll	25%	25%	25%	25%	4
Facility type					
Referral hospital	100%	100%	100%	100%	1
Hospital L3	83%	100%	83%	100%	6
Hospital L2	89%	100%	100%	56%	9
Hospital L1	71%	100%	86%	43%	7
Health centre L1	49%	30%	53%	9%	57
Health centre L2	67%	44%	62%	9%	45
Health centre L3	47%	39%	59%	20%	49
Health centre L4	54%	54%	69%	23%	13
Other	100%	100%	0%	0%	1
Managing authority					
Ministry of Health	69%	51%	74%	21%	134
Governance Board	28%	35%	33%	17%	54

To provide quality services to clients, a proper budget plan needs to be made. Close to 60% of the facilities prepare budget annual workplans. All facilities in Malé, F, DH, TH and GN atolls prepare budget annual workplans.

Furthermore, 62% of the facilities' have budget line items for building infrastructure maintenance and repair, and 46% of the facilities' have budget line items for grounds maintenance and repair. Only 20% of the facilities' budget line items for routine maintenance and repair of medical equipment

4.2.2. Financial accountability

4.2.2.1. Financial audit

Table 142. (4.2.2.1) Percentage of facilities with financial audit by atoll and facility type

	They receive an annual external financial audit	n
National	20%	188
Atoll		
MLE	60%	5
HA Atoll	7%	14
HDH Atoll	15%	13
SH Atoll	7%	14
N Atoll	38%	13
R Atoll	13%	15
B Atoll	15%	13
LH Atoll	0%	4
K Atoll	11%	9
AA Atoll	25%	8
ADH Atoll	20%	10
V Atoll	0%	5
M Atoll	13%	8
F Atoll	60%	5
DH Atoll	17%	6
TH Atoll	8%	13
L Atoll	10%	10
GA Atoll	33%	9
GDH Atoll	11%	9
GN Atoll	100%	1
S Atoll	100%	4
Facility type		
Referral Hospital	100%	1
Hospital L3	67%	6
Hospital L2	67%	9
Hospital L1	29%	7
Health Centre L1	14%	57
Health Centre L2	7%	45
Health Centre L3	18%	49
Health Centre L4	23%	13
Other	100%	1
Managing authority		
Ministry of Health	19%	134
Governance Board	20%	54

As per the findings, 20% of the facilities have reported that they receive an annual external financial audit. The data show that the national referral hospital has received an annual external financial audit. All government facilities in GN and S atolls have reported that they have received an annual external financial audit.

Percentage of facilities reporting that they receive an annual external financial audit

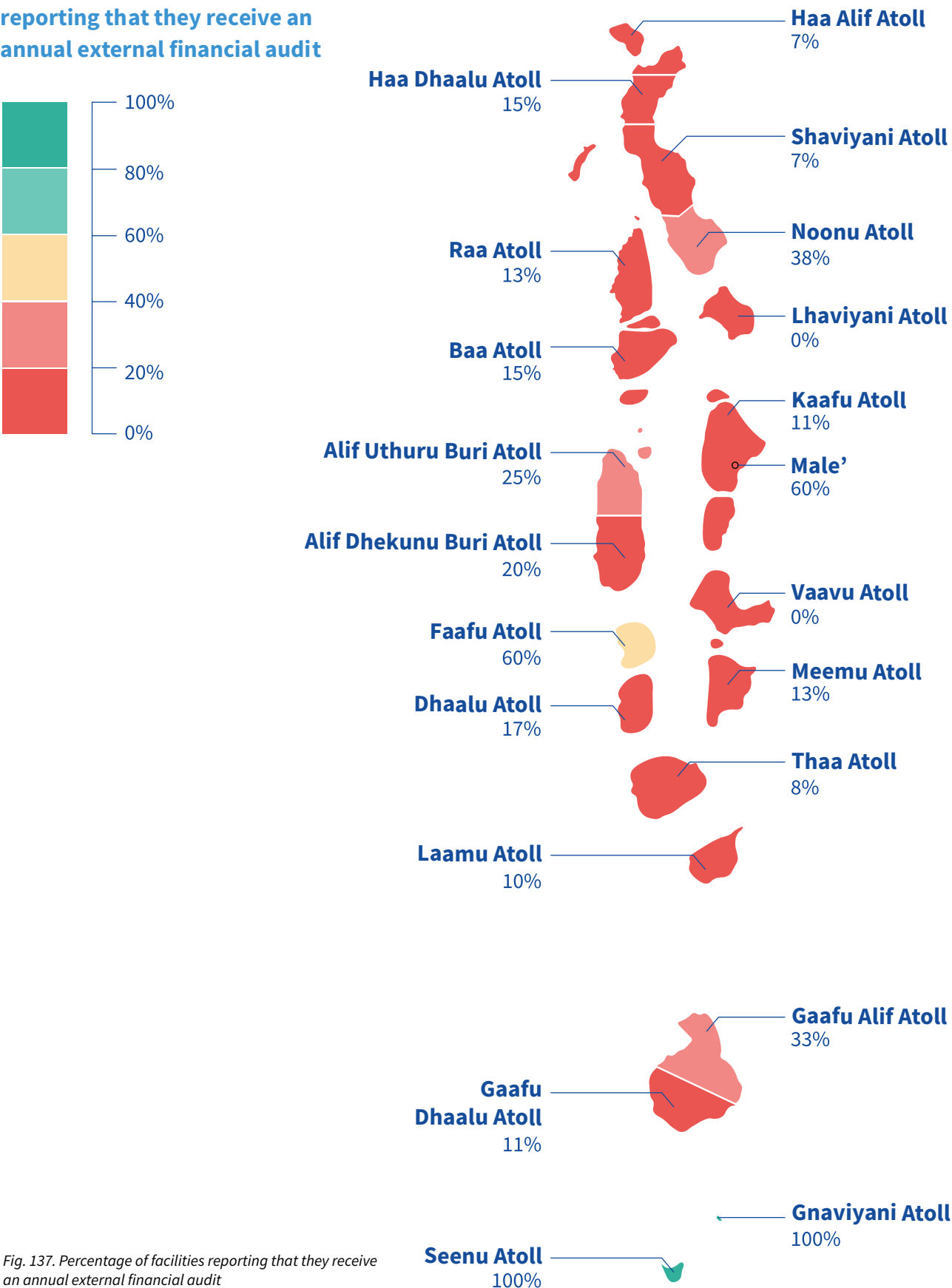


Fig. 137. Percentage of facilities reporting that they receive an annual external financial audit

4.2.2.2. Accountability for equipment and furnishing

Table 143. (4.2.2.2) Percentage of facilities with accountability for equipment and furnishing by atoll and facility type

	An inventory of major equipment and furnishings	Guidelines for items to be included in the inventory	n
National	98%	61%	188
Atoll			
MLE	80%	60%	5
HA Atoll	100%	86%	14
HDH Atoll	100%	62%	13
SH Atoll	100%	100%	14
N Atoll	100%	31%	13
R Atoll	100%	87%	15
B Atoll	100%	46%	13
LH Atoll	100%	50%	4
K Atoll	100%	89%	9
AA Atoll	100%	88%	8
ADH Atoll	100%	60%	10
V Atoll	80%	40%	5
M Atoll	100%	13%	8
F Atoll	100%	80%	5
DH Atoll	100%	50%	6
TH Atoll	100%	31%	13
L Atoll	90%	10%	10
GA Atoll	100%	89%	9
GDH Atoll	100%	78%	9
GN Atoll	100%	100%	1
S Atoll	100%	25%	4
Facility type			
Referral Hospital	100%	100%	1
Hospital L3	100%	100%	6
Hospital L2	100%	78%	9
Hospital L1	86%	43%	7
Health Centre L1	96%	49%	57
Health Centre L2	100%	67%	45
Health Centre L3	100%	63%	49
Health Centre L4	100%	62%	13
Other	100%	100%	1
Managing authority			
Ministry of Health	99%	62%	134
Governance Board	96%	59%	54

An inventory of major equipment and furnishings has been carried out by 98% of the facilities in the country. Almost all facilities in the country, apart from those in L Atoll, V Atoll and Malé, have carried out an inventory of major equipment and furnishings.

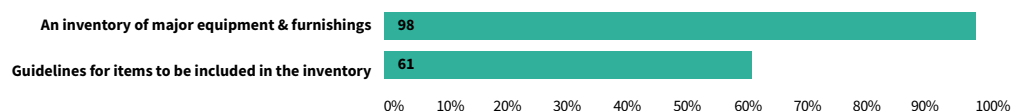


Fig. 138. Percentage of facilities with systems for accountability for equipment and furnishing

Guidelines for items to be included in the inventory have been found to be available at 61% of the facilities. All facilities in GN and SH atolls have guidelines for items to be included in the inventory.

4.2.2.3. Accountability for cash system

Table 144. (4.2.2.3) Percentage of facilities with accountability for cash system by atoll and facility type

	Records for fees received	Records for expenditure of funds collected	n
National	89%	66%	180
Atoll			
MLE	50%	25%	4
HA Atoll	100%	100%	14
HDH Atoll	85%	77%	13
SH Atoll	93%	86%	14
N Atoll	100%	85%	13
R Atoll	100%	79%	14
B Atoll	92%	92%	12
LH Atoll	100%	75%	4
K Atoll	100%	13%	8
AA Atoll	88%	63%	8
ADH Atoll	90%	70%	10
V Atoll	60%	40%	5
M Atoll	50%	38%	8
F Atoll	100%	100%	5
DH Atoll	100%	0%	6
TH Atoll	100%	83%	12
L Atoll	86%	29%	7
GA Atoll	56%	56%	9
GDH Atoll	89%	22%	9
GN Atoll	100%	0%	1
S Atoll	100%	100%	4
Facility type			
Referral hospital	100%	100%	1
Hospital L3	83%	33%	6
Hospital L2	89%	56%	9
Hospital L1	71%	43%	7
Health centre L1	87%	69%	54
Health centre L2	95%	70%	44
Health centre L3	91%	76%	46
Health centre L4	77%	38%	13
Managing authority			
Ministry of Health	88%	68%	130
Governance Board	90%	60%	50

The proportion of facilities with cash systems that have records for the fees received stands at 89% at the national level. All facilities in HA, LH, R, LH, K, F, DH, TH, GN and S atolls have cash systems that have records for the fees received.

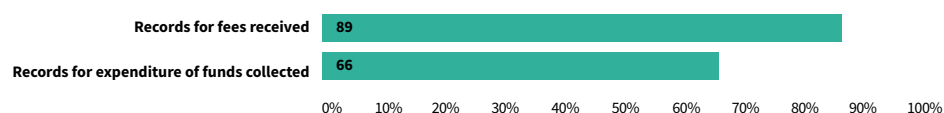


Fig. 139. Percentage of facilities with systems for Accountability for the cash system

Furthermore, 66% of the facilities with cash systems have records for expenditure of funds collected. All facilities in HA, F and S atolls had records for expenditure of funds collected in the cash system at the time of the survey.

4.3. Systems to support staff

4.3.1.1. Staffing structure

Table 145. (4.3.1.1) Percentage of facilities with staffing structure by atoll and facility type

	A staffing plan with allocated number of staff by qualification	A written management structure or an organogram	Written job descriptions	n
National	76%	74%	99%	188
Atoll				
MLE	100%	100%	100%	5
HA Atoll	100%	93%	100%	14
HDH Atoll	100%	69%	100%	13
SH Atoll	93%	93%	100%	14
N Atoll	100%	100%	100%	13
R Atoll	87%	67%	100%	15
B Atoll	77%	69%	100%	13
LH Atoll	100%	100%	100%	4
K Atoll	56%	78%	100%	9
AA Atoll	88%	75%	100%	8
ADH Atoll	80%	50%	100%	10
V Atoll	60%	80%	100%	5
M Atoll	63%	50%	100%	8
F Atoll	80%	80%	80%	5
DH Atoll	33%	33%	100%	6
TH Atoll	100%	100%	100%	13
L Atoll	10%	20%	100%	10
GA Atoll	33%	67%	100%	9
GDH Atoll	44%	78%	100%	9
GN Atoll	100%	100%	100%	1
S Atoll	50%	75%	100%	4
Facility type				
Referral hospital	100%	100%	100%	1
Hospital L3	100%	67%	100%	6
Hospital L2	100%	100%	100%	9
Hospital L1	71%	100%	100%	7
Health centre L1	72%	72%	98%	57
Health centre L2	80%	73%	100%	45
Health centre L3	73%	67%	100%	49
Health centre L4	62%	85%	100%	13
Other	100%	100%	100%	1
Managing authority				
Ministry of Health	80%	79%	99%	134
Governance Board	67%	63%	100%	54

Most of the health facilities operate with an optimal staffing procedure. Out of the 188 facilities, 76% have a staffing plan with allocated numbers of staff by qualification. This is carried out in Malé and in a considerable number of atolls. All hospitals at Level 3 and Level 2 have such a staffing planning, which outlines staffing requirement by qualification.

Similarly, 74% of the health facilities have organization charts. L and DH atolls are seen as being weak in this area. Almost all working at health facilities have written job descriptions for different posts in the organogram. Almost all atolls have written job descriptions except for F Atoll.

Percentage of facilities with a staffing plan with allocated number of staff by qualification

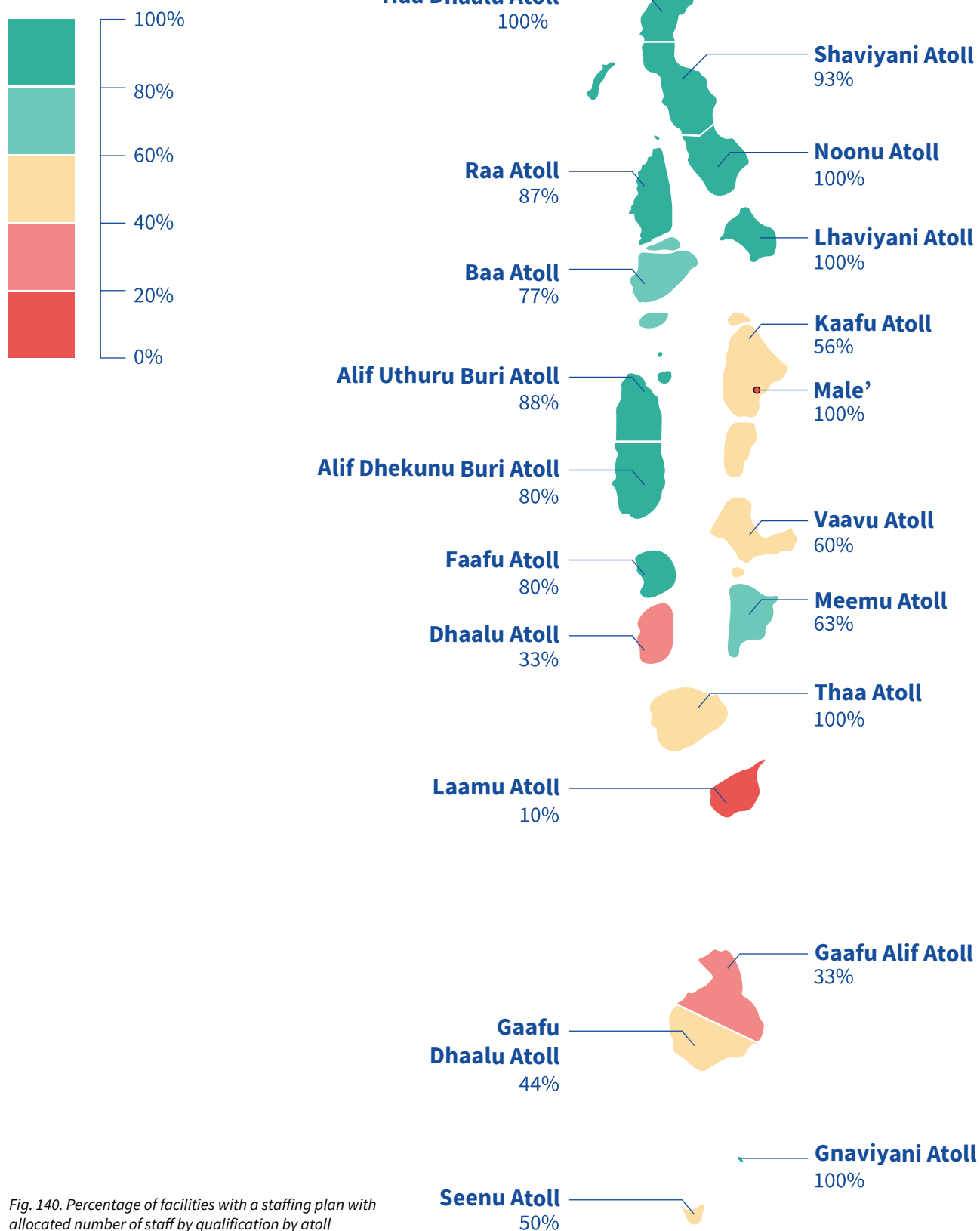


Fig. 140. Percentage of facilities with a staffing plan with allocated number of staff by qualification by atoll

4.3.1.2. Staff credentials and supervision

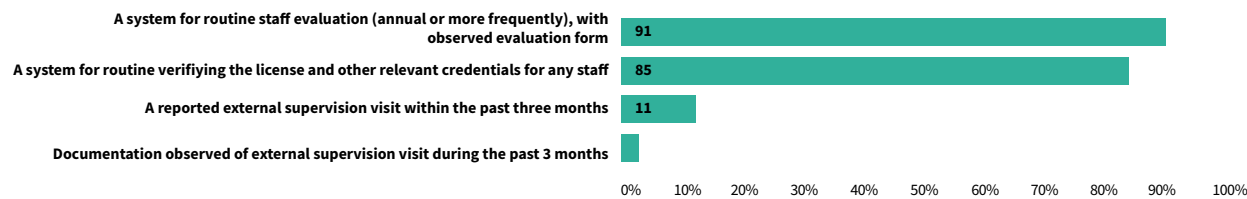


Fig. 141. Percentage of facilities with staff credentials and supervision

Routine staff evaluation is carried out at 91% of the health facilities. Most of the staff members working at health facilities are in civil service and annual performance appraisals are carried out. Furthermore, 85% of the health facilities carry out routine verification of the licence and other relevant credentials for any staff member. Only 11% of the health facilities have had external supervision visits in the past three months.

Percentage of facilities with a reported external supervision visit within the past 3 months

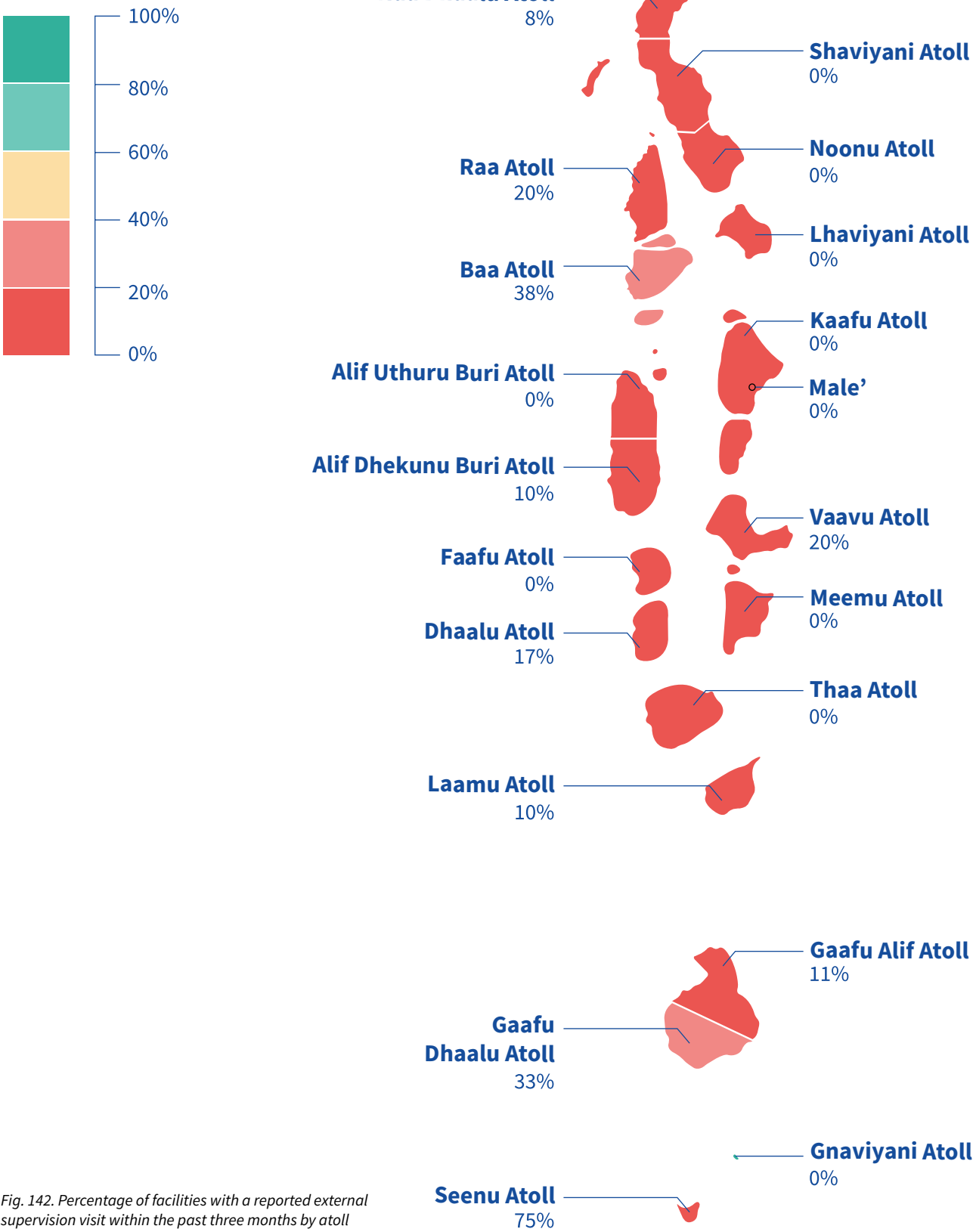


Fig. 142. Percentage of facilities with a reported external supervision visit within the past three months by atoll

4.3.1.3. In-service training for staff

Table 146. (4.3.1.3) Percentage of facilities providing in-service training for staff at least annually by atoll and facility type

	Medical staff	n
National	12%	188
Atoll		
MLE	80%	5
HA Atoll	0%	14
HDH Atoll	15%	13
SH Atoll	7%	14
N Atoll	0%	13
R Atoll	27%	15
B Atoll	15%	13
LH Atoll	25%	4
K Atoll	0%	9
AA Atoll	25%	8
ADH Atoll	20%	10
V Atoll	0%	5
M Atoll	25%	8
F Atoll	20%	5
DH Atoll	0%	6
TH Atoll	0%	13
L Atoll	0%	10
GA Atoll	0%	9
GDH Atoll	11%	9
GN Atoll	0%	1
S Atoll	25%	4
Facility type		
Referral hospital	100%	1
Hospital L3	83%	6
Hospital L2	22%	9
Hospital L1	43%	7
Health centre L1	5%	57
Health centre L2	2%	45
Health centre L3	10%	49
Health centre L4	23%	13
Other	0%	1
Managing authority		
Ministry of Health	9%	134
Governance Board	20%	54

Only 12% of the health facilities have carried out in-service training for medical staff at least annually. In-service training was not carried out even once in the past year, 2021–2022, in HA, N, K, V, DH, TH, L, GA and GN atolls. This implies that it is not based on population size; even bigger atolls have failed to carry out in-service training for medical staff.

Only 83% of the hospitals at Level 3 have carried out in-service training for staff. The performance of other hospitals and health centres has been low.

4.3.2.1. Staff safety and well-being practices

Most of the health facilities follow staff safety and well-being practices by conducting supervision of personal protective equipment (PPE) and its use (68%). About 44% of the health facilities have provided advice to individual workers on work-related disorders. Well-being practices are limited as surveillance of cleanliness of facilities for workers, such as kitchens and canteens, has not been routinely carried out; only one fifth of the health facilities have reported conducting such surveillance. At the same time, one fifth of the health facilities carry out surveillance of factors that may affect the health of facility workers.

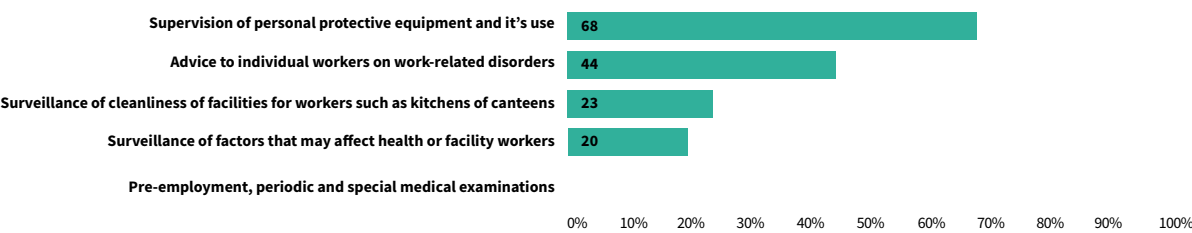


Fig. 143. Percentage of facilities with staff safety and well-being practices

Percentage of facilities offering surveillance of factors that may affect health of facility workers

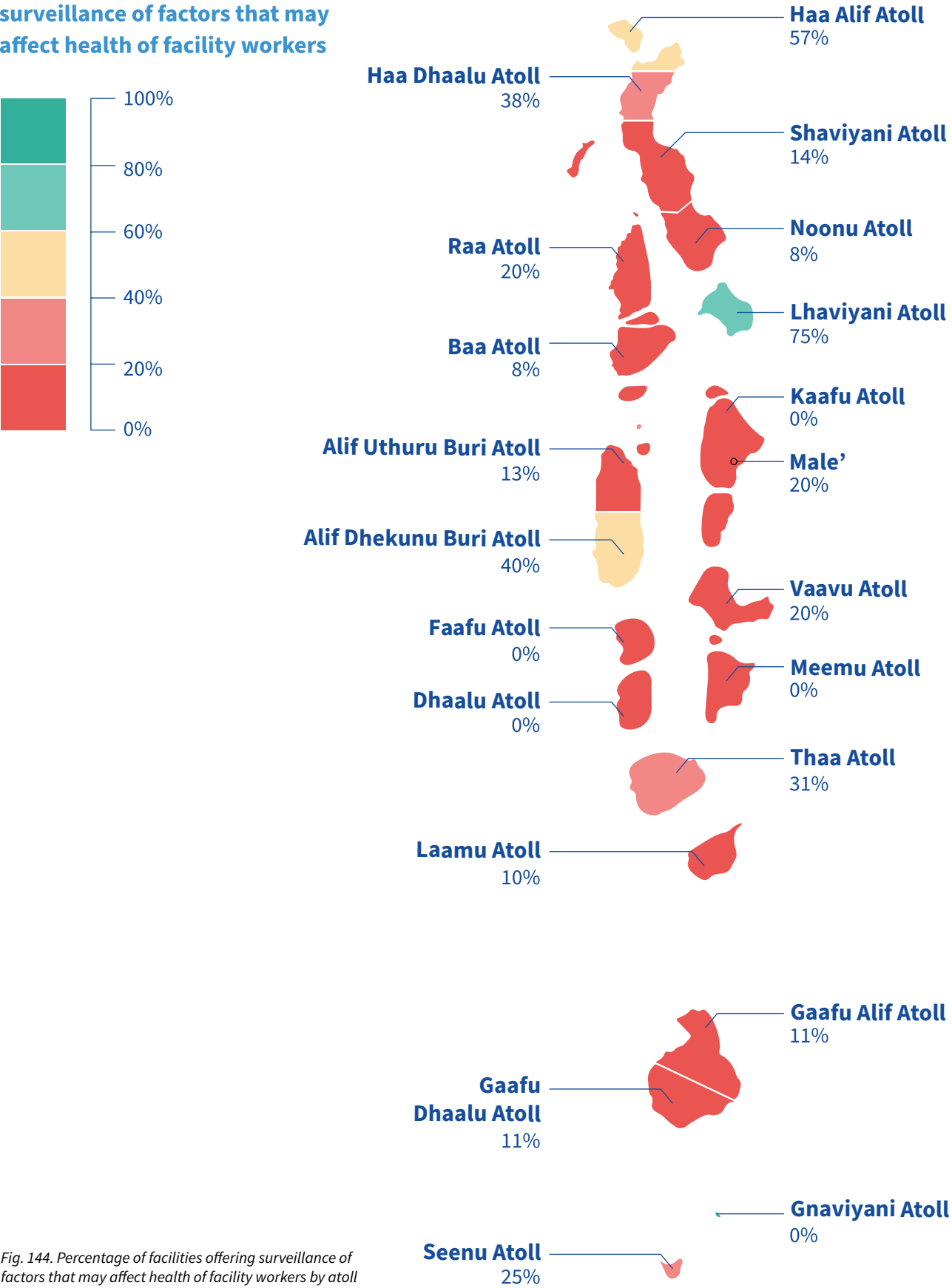


Fig. 144. Percentage of facilities offering surveillance of factors that may affect health of facility workers by atoll

4.3.2.2. Staff benefits

Health facility staff receive most of the staff benefits in the form of uniform allowances (99%). Close to half of the health facilities offer duty subsidy for nights and holidays. About one in three health facilities provides transportation benefits to some staff members.

About 8% of the health facilities provide on-call rooms for sleeping when on night duty. Less than 1% of the health facilities have staff cafeterias or canteens for staff.

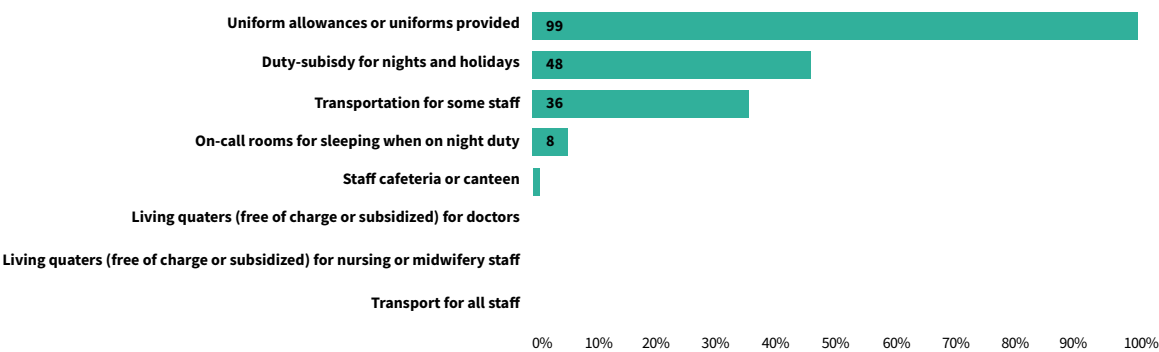


Fig. 145. Percentage of facilities offering staff benefits

4.4. Systems for staff and patient safety

4.4.1.1. Management systems for infection prevention and control

The results show that the management system for infection prevention and control (IPC) practice is quite poor among health facilities. About 20% of the health facilities have guidelines for infection prevention and control. Guidelines for isolation are followed at 18% of the health facilities.

The health facilities have limited number of staff with knowledge of infection prevention and control; only 14% of the health facilities have staff trained in a certified infection prevention and control course.

Similarly, only 12% of the health facilities have guidelines for respiratory-based transmission precautions. Only 2% of the health facilities have an IPC technical committee formulated for the management of infection prevention and control. Less than 1% of the health facilities hold meetings to review IPC results and have dedicated full-time IPC staff to address and monitor these cases.

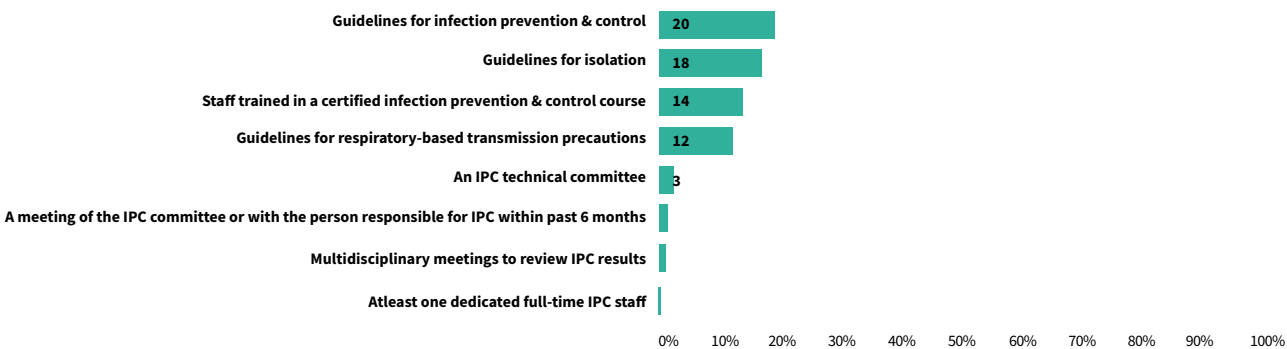


Fig. 146. Percentage of facilities with management systems for infection prevention and control

Percentage of facilities with a meeting of the IPC committee or with the person responsible for IPC within the past 6 months

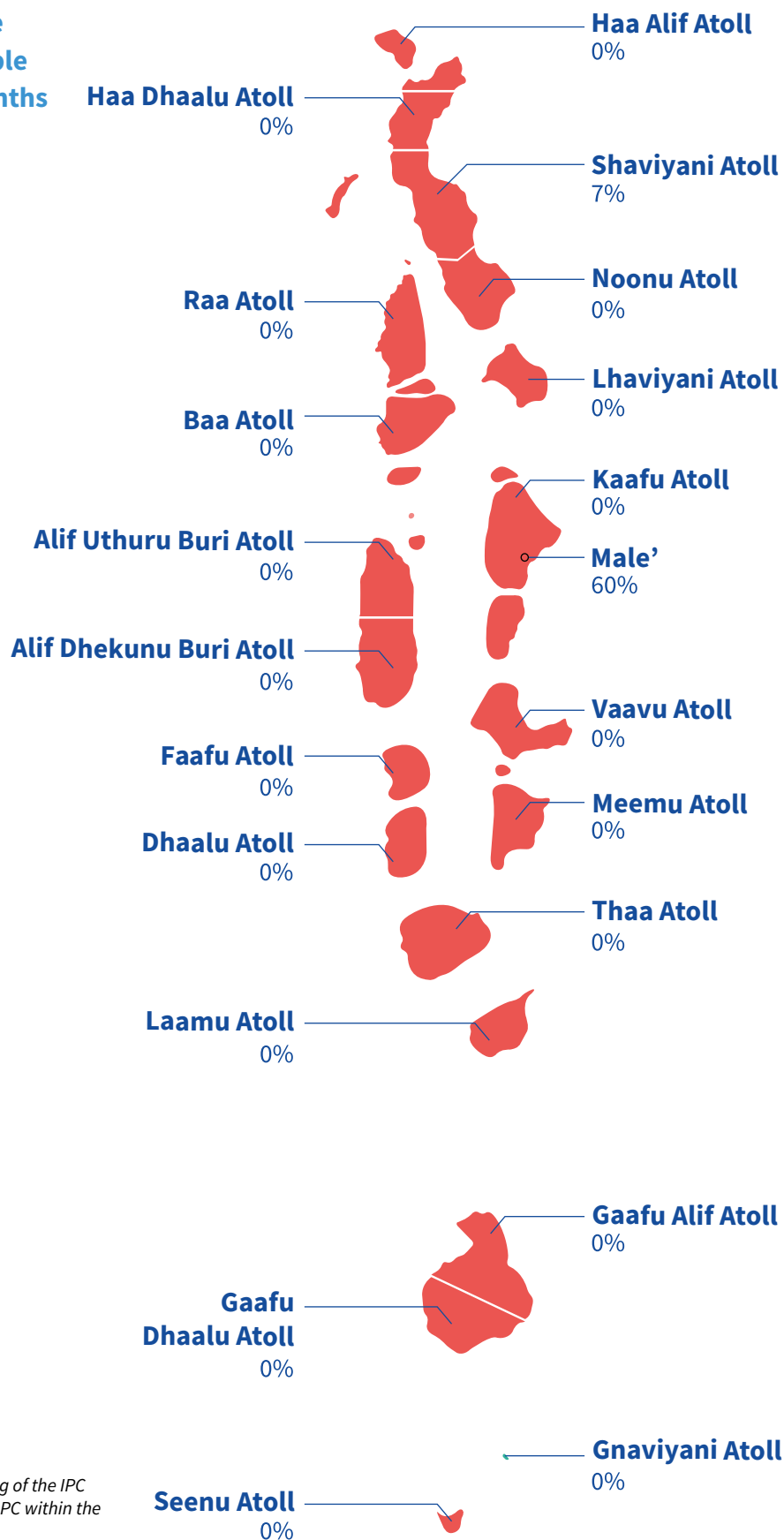
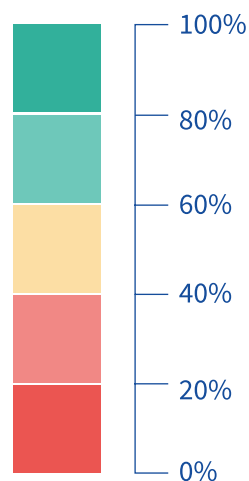


Fig. 147. Percentage of facilities with a meeting of the IPC committee or with the person responsible for IPC within the past six months by atoll

4.4.1.2. Management systems for facility cleaning

Close to one in five health facilities has proper management systems for facility cleaning. About 23% of the facilities have cleaning guidelines found anywhere at the facility. Such guidelines are followed mostly in Malé and DH Atoll. Furthermore, 23% of the facilities have guidelines on step-by-step techniques for specific cleaning tasks. Again, these procedures are carried out mostly in DH Atoll and Malé.

Only 26% of the health facilities have cleaning rosters specifying responsibility for cleaning tasks. This is mostly practised at health facilities in DH Atoll, F Atoll and Malé.

Only few health facilities (15%) have a defined process for training cleaning staff and this is mostly carried out in Malé. More than 26% of the health facilities have specific instructions for cleaning counters and toilets. Such instructions are strictly adhered to in DH Atoll, followed by F Atoll and Malé.

4.4.1.2. Management systems for facility cleaning

Table 147. (4.4.1.2) Percentage of facilities with management systems for facility cleaning by atoll and facility type

	Facility cleaning guidelines anywhere at facility	Guidelines on step-by-step techniques for specific cleaning tasks	A cleaning roster specifying responsibility for cleaning tasks	A cleaning roster specifying frequency of cleaning tasks	A defined process for training cleaning staff	Specific cleaning instructions for cleaning floors	Specific cleaning instructions for cleaning counters/tables	Specific cleaning instructions for cleaning toilets	Training carried out for all staff responsible for cleaning	n
National	23%	23%	26%	25%	15%	28%	26%	26%	31%	188
Atoll										
MLE	80%	60%	80%	60%	60%	60%	60%	60%	60%	5
HA Atoll	21%	36%	21%	14%	21%	36%	36%	36%	86%	14
HDH Atoll	23%	23%	8%	8%	8%	15%	15%	8%	46%	13
SH Atoll	36%	29%	36%	36%	14%	43%	43%	43%	71%	14
N Atoll	23%	0%	23%	23%	0%	15%	15%	15%	8%	13
R Atoll	7%	7%	7%	7%	7%	13%	7%	7%	0%	15
B Atoll	31%	31%	38%	31%	15%	46%	38%	38%	38%	13
LH Atoll	0%	0%	25%	25%	0%	0%	0%	0%	25%	4
K Atoll	22%	11%	11%	11%	11%	11%	11%	11%	11%	9
AA Atoll	13%	25%	25%	25%	25%	25%	25%	25%	13%	8
ADH Atoll	30%	40%	40%	40%	40%	40%	40%	20%	20%	10
V Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	5
M Atoll	13%	38%	25%	25%	13%	25%	13%	25%	13%	8
F Atoll	40%	40%	80%	80%	20%	80%	60%	60%	0%	5
DH Atoll	83%	100%	100%	100%	50%	100%	100%	100%	17%	6
TH Atoll	23%	15%	23%	31%	8%	23%	31%	31%	38%	13
L Atoll	0%	0%	0%	0%	0%	0%	0%	0%	70%	10
GA Atoll	11%	11%	0%	11%	11%	11%	11%	11%	11%	9
GDH Atoll	11%	22%	22%	22%	11%	33%	22%	33%	0%	9
GN Atoll	0%	0%	0%	0%	0%	0%	0%	0%	0%	1
S Atoll	25%	25%	25%	25%	25%	25%	25%	25%	50%	4
Facility type										
Referral hospital	100%	100%	100%	0%	100%	0%	0%	0%	100%	1
Hospital L3	67%	67%	33%	33%	33%	67%	50%	33%	50%	6
Hospital L2	33%	44%	33%	44%	33%	56%	56%	56%	44%	9
Hospital L1	43%	57%	71%	71%	43%	71%	71%	71%	29%	7
Health centre L1	18%	12%	12%	12%	2%	14%	12%	12%	21%	57
Health centre L2	18%	22%	24%	24%	18%	27%	24%	22%	36%	45
Health centre L3	22%	22%	31%	29%	16%	31%	29%	31%	35%	49
Health centre L4	15%	23%	23%	23%	15%	23%	23%	23%	31%	13
Other	100%	0%	100%	100%	0%	100%	100%	100%	0%	1

4.4.2.1. Emergency preparedness systems

Only a few health facilities have emergency preparedness systems. Only 10% of the health facilities have a strategy to meet increased staffing needs during an emergency

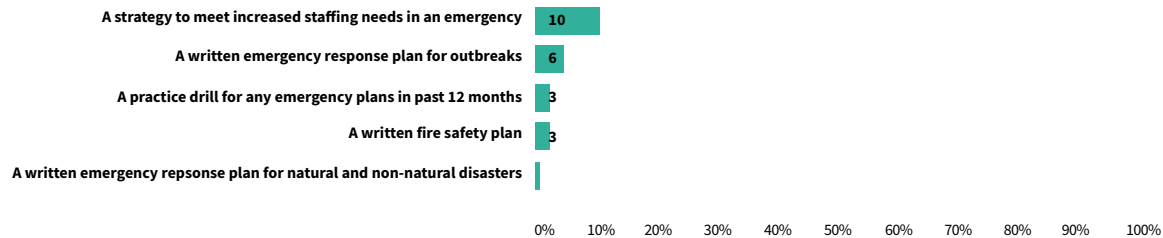


Fig. 148. Percentage of facilities with emergency preparedness systems

Less than 6% of the facilities have a written emergency response plan for an outbreak. About 3% of the health facilities had practised drills for any emergency plan over the past few months. Similarly, 3% of the health facilities have a written fire safety plan. Health facilities are in no way prepared for natural disasters and do not have a written emergency response plan for natural as well as non-natural disasters.

Percentage of facilities with a strategy to meet increased staffing needs during an emergency

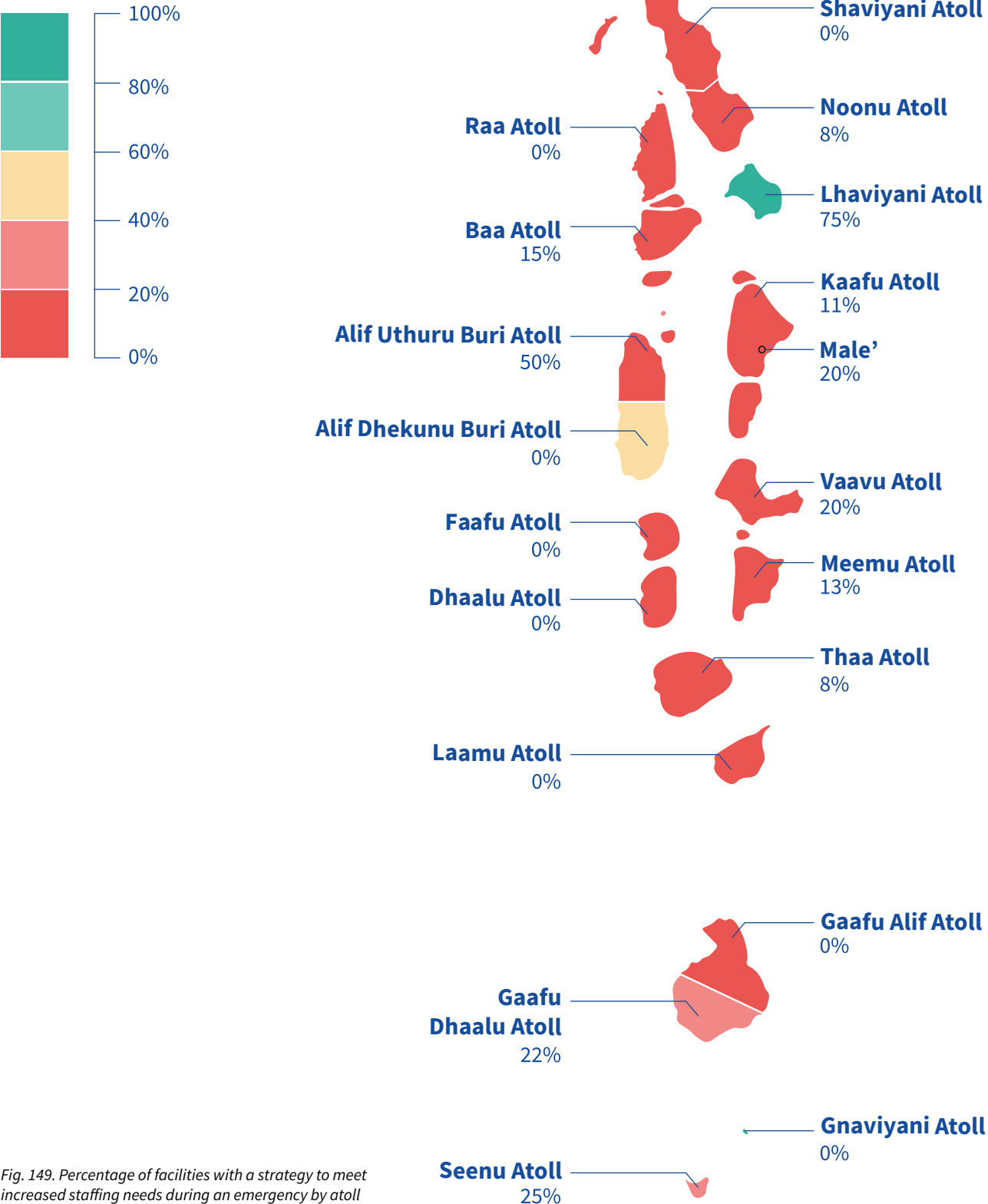


Fig. 149. Percentage of facilities with a strategy to meet increased staffing needs during an emergency by atoll

4.5. Quality monitoring systems

4.5.1.1. External assessment against standards

The results show that a minimum number of health facilities have carried out external assessment against standards. In this regard, only 2% of the health facilities have participated in any system of external assessment against standards. Less than 4% of the health facilities are currently licensed or registered with a government authority facility-wide or with a national external quality assurance (NEQA) system facility-wide. None of the facilities are currently certified through an accreditation system facility-wide or for specific service.

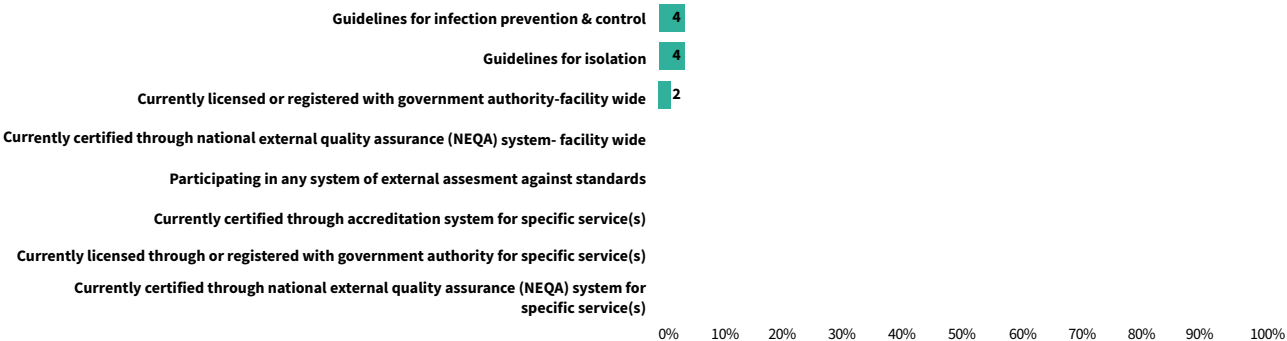


Fig. 150. Percentage of facilities with system for external assessment against standards

4.5.1.2. Internal quality assurance and improvement systems

In terms of improving internal quality of services and systems, not much has been done as well. The results show that only 9% of the facilities follow a routine quality assurance process for any service area. Only 3% of the health facilities carry out any quality improvement process with documented actions based on QA/QI findings or on a valid description of the improvement.

Less than 2% of the health facilities had any quality assurance committee meeting held in the past three months. This may be an indication of the fact that such facilities have not set up quality assurance committees in the first place. There is hardly any budget allocated for quality improvement activities in health facility budgets. No mechanism has been established to review documents that show quality assurance improvement. Furthermore, systems for eliciting and reviewing client opinion on facility services are hardly in place at any health facility.

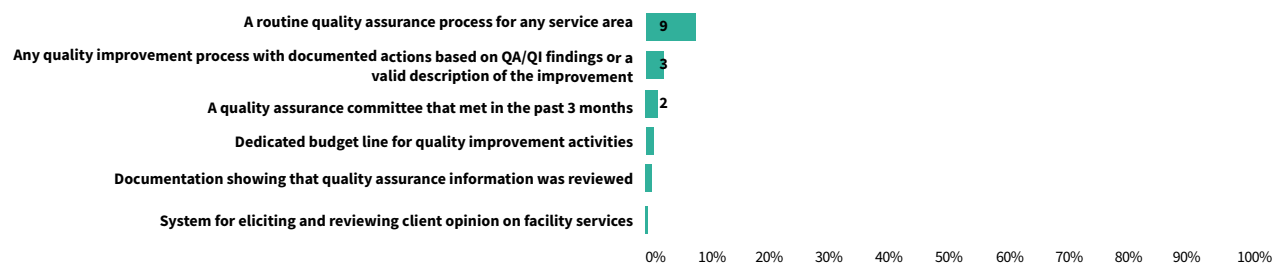


Fig. 151. Percentage of facilities with internal quality assurance and improvement systems

4.5.2.1. Case review systems

Hardly any system has been established to review certain types of death in the country. When a perinatal death occurs, only 13% of the health facilities have a review system to investigate the death. Less than 3% of the health systems have established maternal death review systems. A formal death review system has hardly been established at any health facility. There is no formal case review system at any health facility.

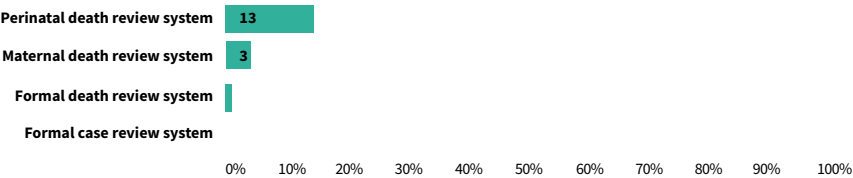


Fig. 152. Percentage of facilities case review systems

**Percentage of facilities
offering inpatient services
with formal death review system**

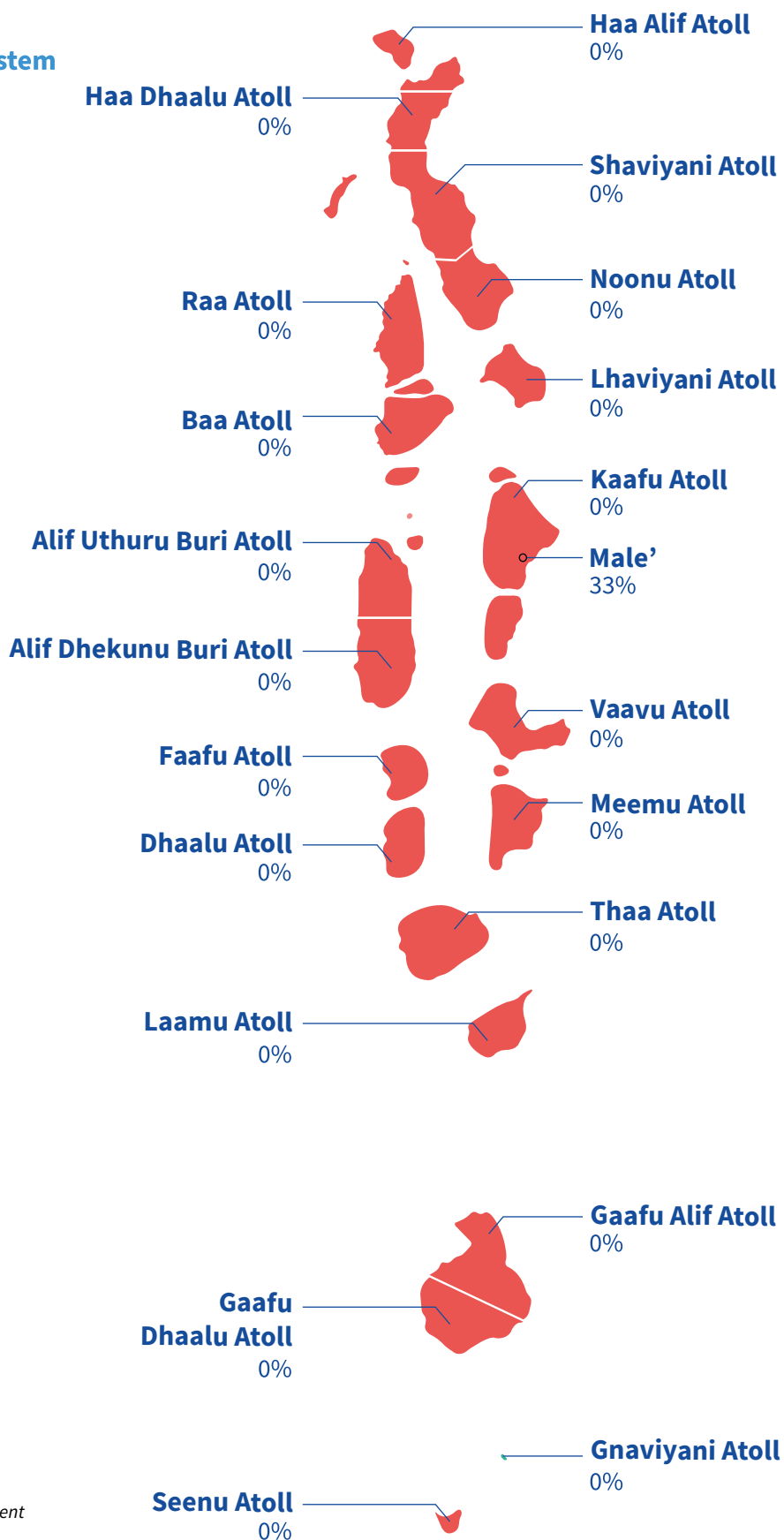
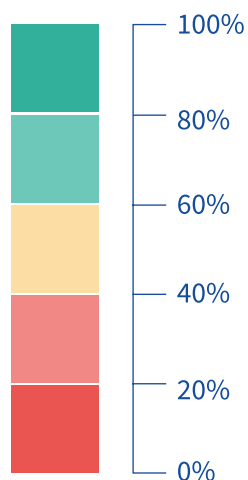


Fig. 153. Percentage of facilities offering inpatient services with formal death review system

4.5.2.2. Monitoring adverse events

Table 148. (4.5.2.2) Percentage of facilities offering inpatient services with monitoring adverse events by atoll and facility type

	Systems and guidelines to monitor adverse events	n
National	1%	110
Atoll		
MLE	33%	3
HA Atoll	0%	4
HDH Atoll	0%	6
SH Atoll	0%	5
N Atoll	0%	4
R Atoll	0%	7
B Atoll	0%	8
LH Atoll	0%	4
K Atoll	0%	5
AA Atoll	0%	6
ADH Atoll	0%	10
V Atoll	0%	1
M Atoll	0%	4
F Atoll	0%	5
DH Atoll	0%	6
TH Atoll	0%	13
L Atoll	0%	5
GA Atoll	0%	5
GDH Atoll	0%	4
GN Atoll	0%	1
S Atoll	0%	4

Less than 1% of the health facilities have systems and guidelines to monitor adverse events when offering inpatient services. Data show such systems are only established to a certain extent in Malé. The results show that only 17% of the hospitals at Level 3 have systems and guidelines to monitor adverse events.

4.5.2.3. Monitoring quality of surgical care

Table 149. (4.5.2.3) Percentage of facilities offering inpatient surgical services with monitoring quality of surgical care by atoll and facility type

	Systems and guidelines to monitor adverse surgical events	n
National	5%	22
Atoll		
MLE	50%	2
HDH Atoll	0%	1
SH Atoll	0%	1
N Atoll	0%	2
R Atoll	0%	1
B Atoll	0%	3
AA Atoll	0%	1
M Atoll	0%	1
F Atoll	0%	2
DH Atoll	0%	1
TH Atoll	0%	1
GA Atoll	0%	1
GDH Atoll	0%	1
GN Atoll	0%	1
S Atoll	0%	3

The quality of surgical care is monitored only at 5% of the health facilities. The results show that out of the two facilities in Malé that provide surgical care, only one provides systems and guidelines to monitor adverse surgical events.

4.5.3.1. Monitoring prescribing practices and adverse reactions to medicines

Prescribing practices and adverse reactions to medicines are hardly monitored at any health facility. Only adverse reactions to medicines are observed in less than 1% of the health facilities.

General prescription practices, such as numbers and combinations of medicines prescribed, are not monitored by any health facility, even by hospitals at Level 3. Prescription practices for specific types of medicines, such as pain medicines or antibiotics, are not monitored at any health facility. Medicine utilization, such as comparing medicine use with types of patients being treated, is also not monitored by any health facility.

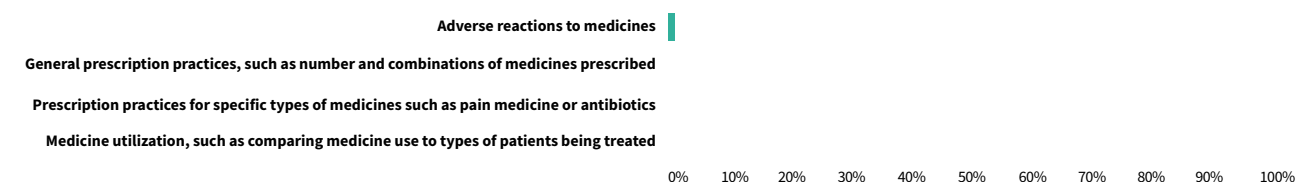


Fig. 154. Percentage of facilities with system for monitoring prescribing practices and adverse reactions to medicines

4.5.4.1. Monitoring quality of immunization services

The quality of immunization services is monitored at 65% of the health facilities. This includes monitoring the indicators needed to assess the quality of immunization services. On the other hand, one in three health facilities follows the guidelines for reporting adverse events following immunization (AEFIs).

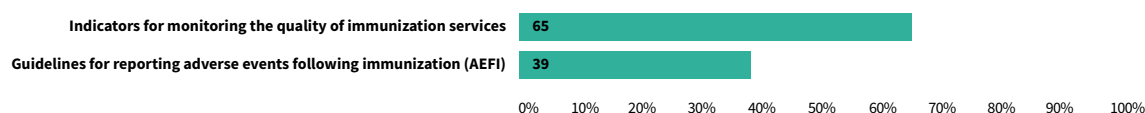


Fig. 155. Percentage of facilities with system for monitoring quality of immunization services

4.6. Health information systems

4.6.1.1. Health information staff and data quality processes

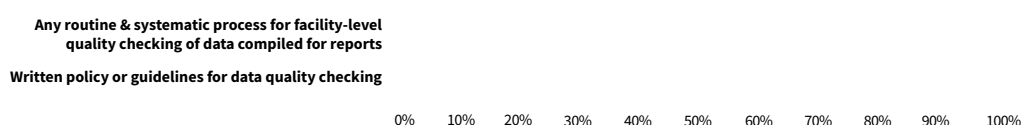


Fig. 156. Percentage of facilities with health information staff and data quality processes

With regard to data quality processes, so far, no routine quality check has been carried out for the information collected at different facility levels. There is no systemic process for facility-level quality checking of data compiled for reports. There is no written policy or guideline for data quality checking, set at the central level or at the facility level. This is not practised even at hospitals or at the health centre level.

4.6.1.2. Use of information for facility management



Fig. 157. Percentage of facilities using information for facility management

Information for facility management is rarely collected and used. Only 4% of the facilities follow a routine process for reviewing information on services, outcomes or patient feedback. Only 3% of the health facilities observe tables, reports or graphics of any data for the past three months.

**Percentage of facilities with
a routine process for reviewing
information on services,
outcomes of patient feedback**

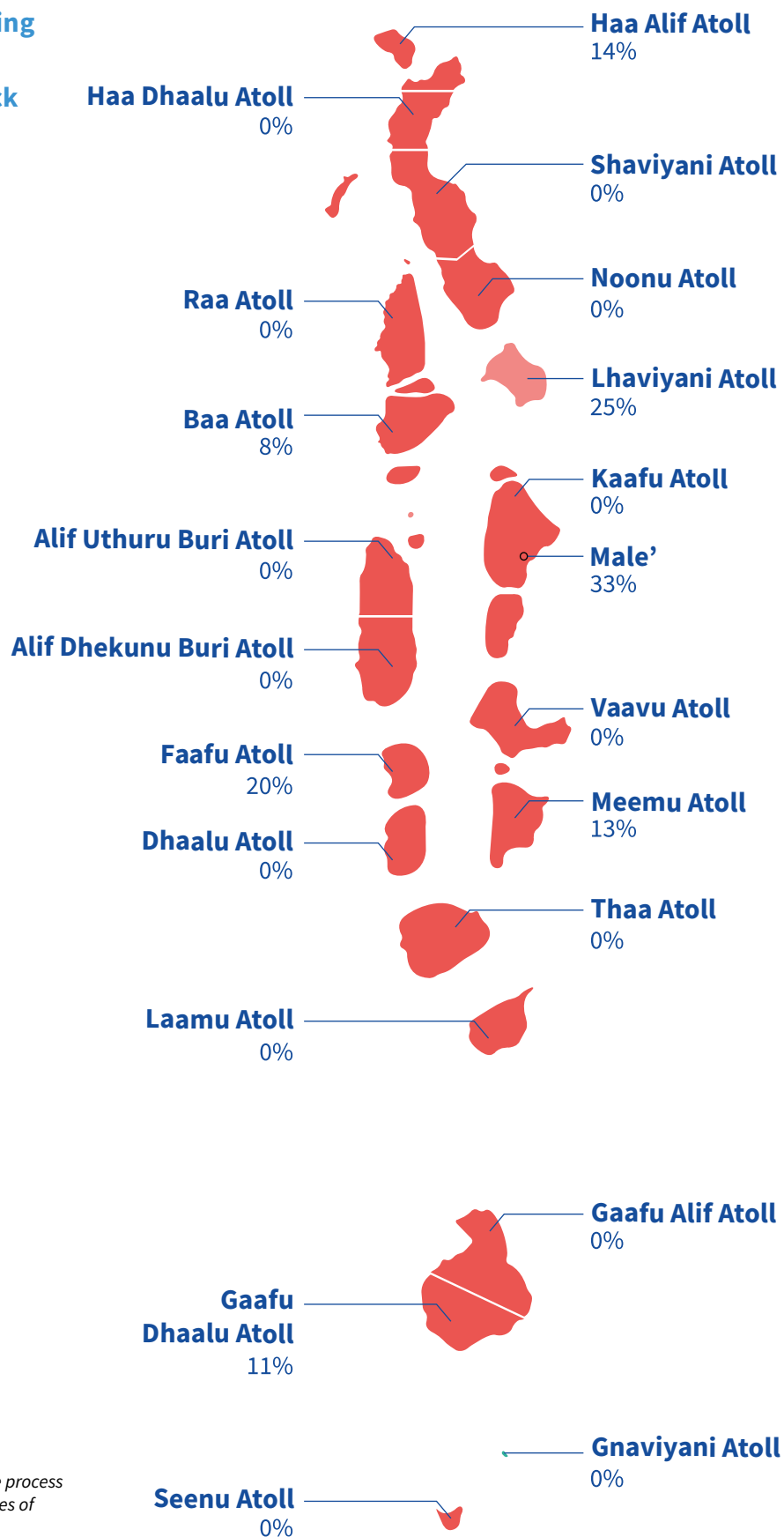
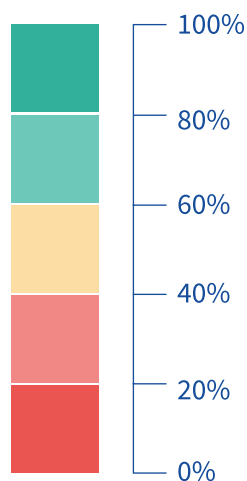


Fig. 158. Percentage of facilities with a routine process for reviewing information on services, outcomes of patient feedback by atoll

4.6.1.3. Reports submitted externally

Most of the health facilities have fared well in terms of submitting external reports; 97% of the health facilities submit notifiable disease reports/summary statistics externally while 88% of the health facilities submit routine reports/summary statistics externally at least every three months.

However, external reporting of vaccine-preventable diseases is low, wherein only 66% of the health facilities have reported regularly.

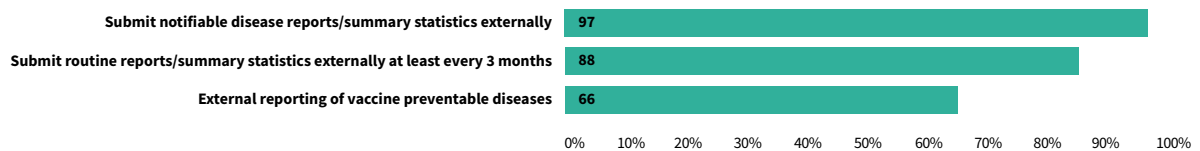


Fig. 159. Percentage of facilities submitting reports externally

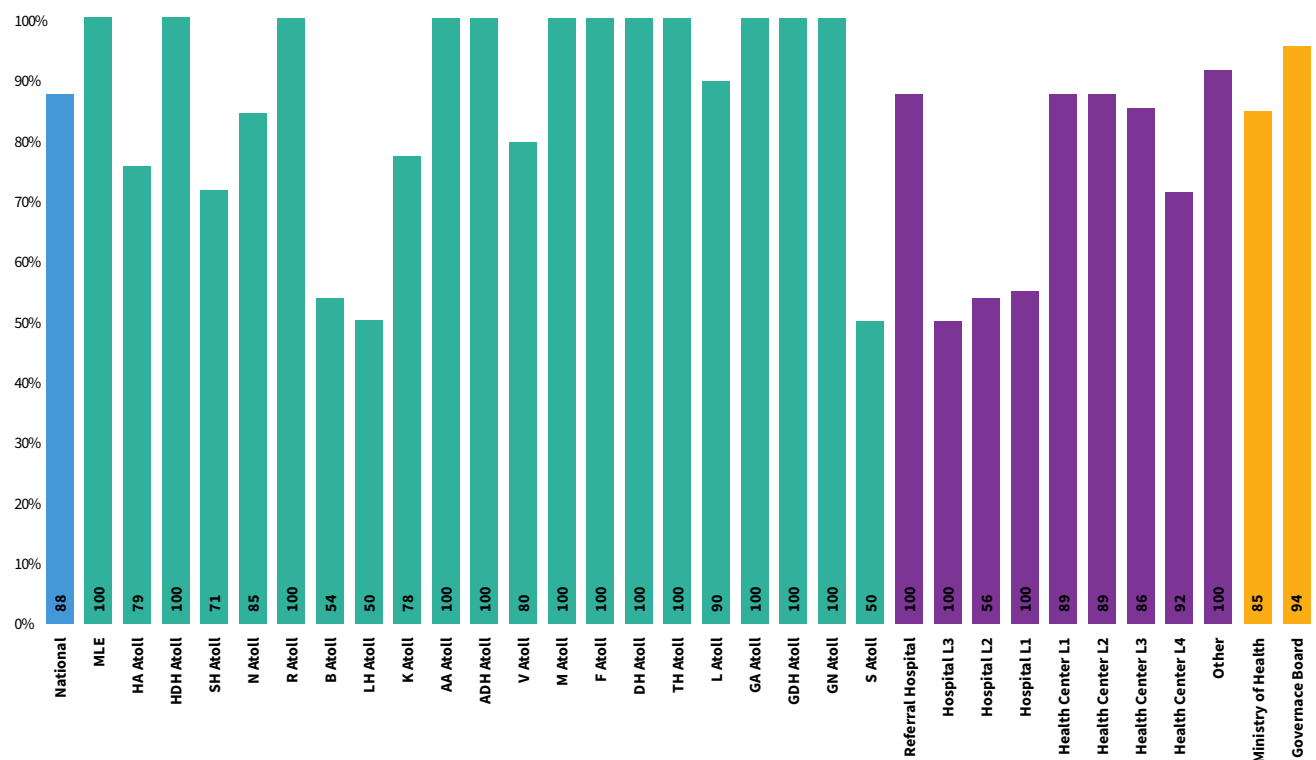


Fig. 160. Percentage of facilities that submit routine reports/summary statistics externally at least every three months by atoll and facility type

4.6.2.1. Unique identifiers and individual patient records – outpatient services

Table 150. (4.6.2.1) Percentage of facilities offering outpatient services with unique identifiers and individual patient records by atoll and facility type

	Use comprehensive individual patient records for outpatients	Use a unique patient identifier for outpatient curative care services	Use individual patient records (paper or electronic) for outpatients	Use standardized electronic individual patient records for outpatients	Use standardized paper individual patient records for outpatients	n
National	74%	70%	90%	86%	71%	188
Atoll						
MLE	20%	50%	50%	100%	50%	5
HA Atoll	71%	21%	71%	100%	63%	14
HDH Atoll	46%	100%	92%	40%	38%	13
SH Atoll	86%	57%	100%	92%	33%	14
N Atoll	85%	92%	100%	90%	71%	13
R Atoll	53%	73%	79%	70%	67%	15
B Atoll	77%	92%	92%	83%	60%	13
LH Atoll	100%	100%	100%	100%	100%	4
K Atoll	56%	56%	78%	100%	50%	9
AA Atoll	100%	88%	100%	100%	100%	8
ADH Atoll	40%	20%	78%	33%	75%	10
V Atoll	100%	60%	100%	100%	100%	5
M Atoll	38%	88%	67%	100%	0%	8
F Atoll	80%	100%	100%	75%	75%	5
DH Atoll	100%	100%	100%	100%	40%	6
TH Atoll	100%	77%	100%	85%	100%	13
L Atoll	100%	40%	100%	100%	100%	10
GA Atoll	89%	89%	100%	100%	83%	9
GDH Atoll	78%	33%	100%	100%	86%	9
GN Atoll	100%	100%	100%	100%	100%	1
S Atoll	75%	100%	75%	100%	100%	4
Facility type						
Referral hospital	0%	100%	100%	-	0%	1
Hospital L3	67%	83%	83%	75%	100%	6
Hospital L2	100%	100%	100%	100%	86%	9
Hospital L1	86%	100%	86%	100%	100%	7
Health centre L1	70%	65%	88%	76%	71%	57
Health centre L2	73%	53%	91%	88%	68%	45
Health centre L3	73%	78%	91%	86%	65%	49
Health centre L4	85%	75%	100%	100%	88%	13
Other	0%	0%	0%	-	-	1

Maintaining each person's record and having a unique identifier for each patient are crucial for reviewing their information. Comprehensive individual patient records for outpatients are used at 74% of the health facilities. Implementation of this method is by far at the lowest in Malé – at 20%. About 70% of the health facilities use unique patient identifiers for outpatient curative care services. This technique is used at 100% of the hospitals at Levels 2 and 3, while the proportion is below 85% at all other health facilities.

4.6.2.2. Unique identifiers and individual patient records – inpatient services

Table 151. (4.6.2.2) Percentage of facilities offering inpatient services with unique identifiers and individual patient records by atoll and facility type

	Use comprehensive individual patient records for inpatients	Use a unique patient identifier for inpatient curative care services	Use the same unique patient ID for the patient for both inpatient and outpatient services	Use individual patient records (paper or electronic) used for inpatients	Use standardized electronic individual patient records for inpatients	Use standardized paper individual patient records for inpatients	Use hospital information management system (HIMS)	Use HINAI	Use DHIS2	n
National	96%	77%	75%	99%	79%	96%	42%	1%	24%	109
Atoll										
MLE	67%	67%	67%	100%	0%	67%	33%	33%	33%	3
HA Atoll	100%	60%	60%	100%	100%	100%	40%	0%	0%	5
HDH Atoll	100%	100%	100%	100%	100%	100%	17%	0%	17%	6
SH Atoll	100%	80%	80%	100%	100%	100%	60%	0%	0%	5
N Atoll	75%	100%	100%	100%	50%	75%	50%	0%	50%	4
R Atoll	100%	100%	83%	100%	-	100%	0%	0%	0%	7
B Atoll	88%	88%	86%	100%	88%	50%	88%	0%	63%	8
LH Atoll	100%	100%	100%	100%	100%	100%	75%	0%	50%	4
K Atoll	83%	67%	40%	83%	67%	100%	33%	0%	17%	6
AA Atoll	100%	67%	100%	100%	100%	100%	33%	0%	33%	3
ADH Atoll	100%	20%	20%	100%	-	100%	0%	0%	0%	10
V Atoll	100%	100%	100%	100%	-	100%	0%	0%	0%	1
M Atoll	100%	75%	67%	100%	50%	100%	50%	0%	0%	4
F Atoll	100%	100%	100%	100%	67%	100%	60%	0%	0%	5
DH Atoll	100%	100%	83%	100%	100%	100%	100%	0%	0%	6
TH Atoll	100%	69%	77%	100%	82%	100%	77%	0%	77%	13
L Atoll	100%	80%	60%	100%	0%	100%	40%	0%	20%	5
GA Atoll	100%	80%	100%	100%	100%	100%	0%	0%	0%	5
GDH Atoll	100%	33%	50%	100%	100%	100%	25%	0%	50%	4
GN Atoll	100%	100%	100%	100%	-	100%	0%	0%	0%	1
S Atoll	100%	100%	100%	100%	-	100%	0%	0%	0%	4
Facility type										
Referral hospital	100%	100%	100%	100%	0%	100%	100%	100%	100%	1
Hospital L3	83%	83%	67%	100%	50%	83%	33%	0%	33%	6
Hospital L2	100%	100%	89%	100%	100%	100%	67%	0%	44%	9
Hospital L1	100%	100%	83%	100%	100%	100%	33%	0%	0%	6
Health centre L1	93%	67%	67%	100%	57%	86%	40%	0%	27%	15
Health centre L2	100%	43%	64%	100%	75%	100%	47%	0%	33%	15
Health centre L3	96%	80%	76%	98%	85%	98%	41%	0%	15%	46
Health centre L4	100%	80%	78%	100%	100%	100%	30%	0%	30%	10
Other	100%	100%	100%	100%	0%	100%	0%	0%	0%	1

The use of unique identifiers when maintaining inpatient records was more prevalent, compared with that for outpatient services. Overall, 96% of the health facilities use comprehensive individual patient records for inpatients. This is higher among health centres, compared with hospitals at different levels. About 77% of the health facilities use a unique patient identifier for inpatient curative care services. The same unique ID for a patient for both inpatient and outpatient services is used at 75% of the facilities.

4.6.3.1. Referral records

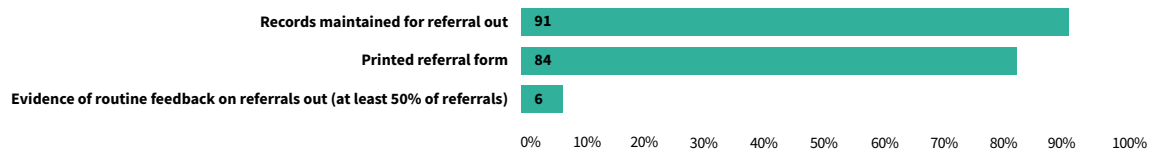


Fig. 161. Percentage of facilities with referral records

Health facilities do have a commendable system of maintaining referral records. It has been found that 91% of the health facilities maintain referral records of the cases referred to other facilities only and 84% of the health facilities maintain printed referral forms. However, routine feedback from referral out is hardly obtained and the results show that only 6% of the health facilities practise this.

Percentage of facilities that refer patients with evidence of routine feedback on referrals out (at least 50% of referrals)

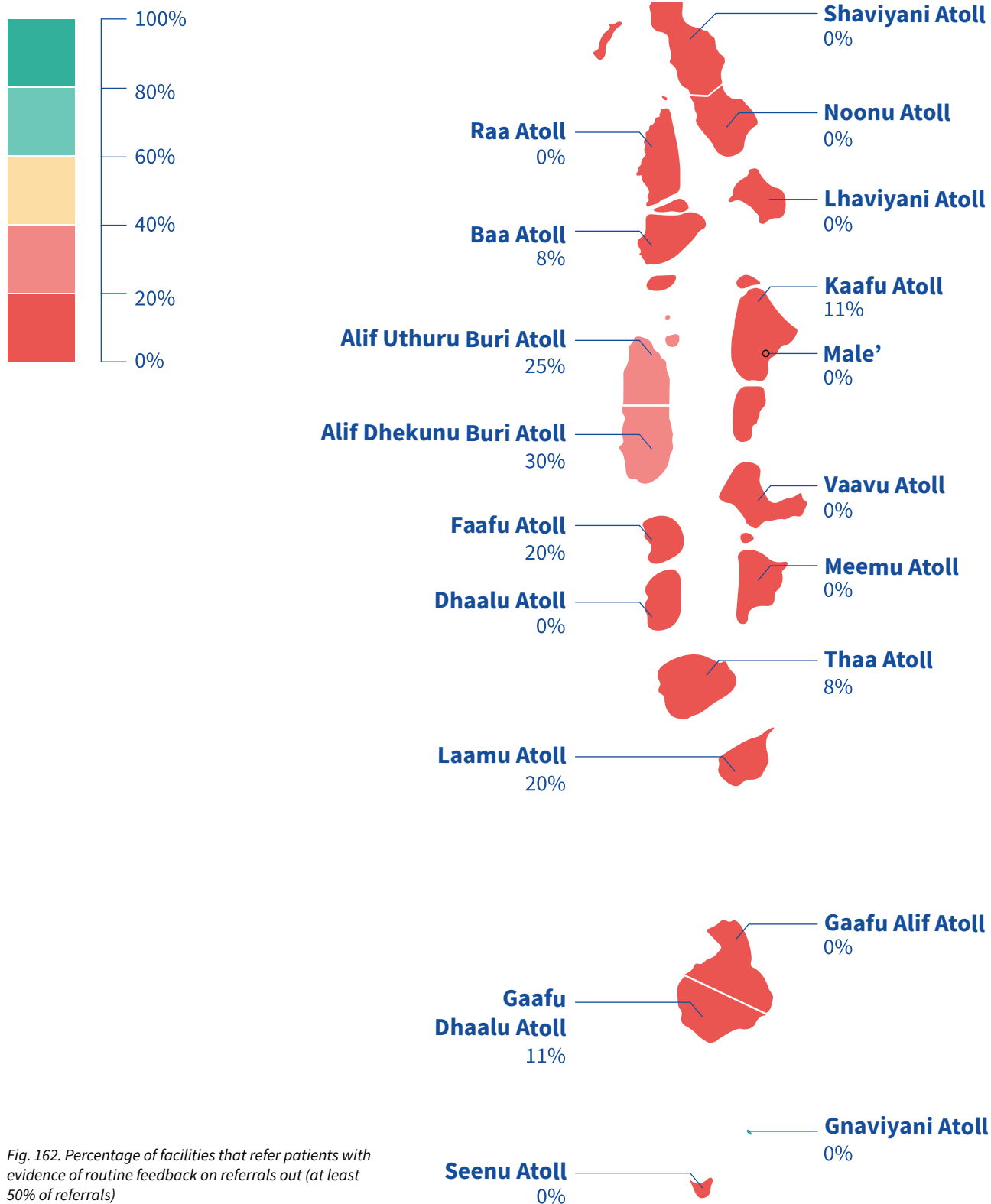


Fig. 162. Percentage of facilities that refer patients with evidence of routine feedback on referrals out (at least 50% of referrals)

4.6.4.1. Inpatient mortality and morbidity statistics

Table 152. (4.6.4.1) Percentage of facilities offering inpatient services with inpatient mortality and morbidity statistics by atoll and facility type

	Statistics compiled on inpatient discharges by diagnosis	n
National	70%	109
Atoll		
MLE	67%	3
HA Atoll	100%	5
HDH Atoll	83%	6
SH Atoll	80%	5
N Atoll	75%	4
R Atoll	57%	7
B Atoll	63%	8
LH Atoll	75%	4
K Atoll	17%	6
AA Atoll	67%	3
ADH Atoll	90%	10
V Atoll	100%	1
M Atoll	50%	4
F Atoll	100%	5
DH Atoll	17%	6
TH Atoll	62%	13
L Atoll	80%	5
GA Atoll	100%	5
GDH Atoll	50%	4
GN Atoll	100%	1
S Atoll	100%	4
Facility type		
Referral hospital	100%	1
Hospital L3	33%	6
Hospital L2	78%	9
Hospital L1	67%	6
Health centre L1	53%	15
Health centre L2	73%	15
Health centre L3	74%	46
Health centre L4	80%	10
Other	100%	1

The results show that 70% of the health facilities compile statistics on inpatients discharged by diagnosis. This is mostly practised at health centres, compared with hospitals in the country. Out of the three health facilities in Malé, only 67% of the facilities do maintain statistics on this diagnosis.

4.6.4.2. Surgical services statistics

The results show that all health facilities maintain statistics on the number of major surgeries performed. However, there is no evidence of monitoring deaths prior to discharge after surgery and post-surgical wound infection rate at any health facility. Similarly, no statistics are maintained on the monitoring of post-operative pulmonary embolus and deep vein thrombosis, and early initiation of surgery after upper femur fracture.

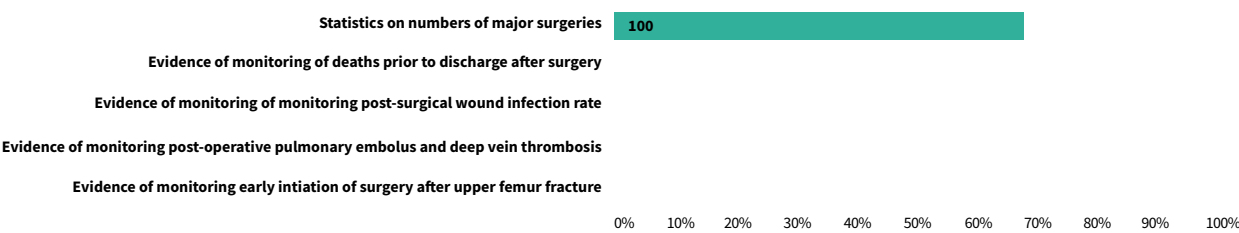


Fig. 163. Percentage of facilities with surgical services statistics

Custom Indicators on Quality of Services

5.1. Quality of care

5.1.1. Patient safety

5.1.1.1. Quality assessment

Table 153. (5.1.1.1) Percentage of facilities with documentation showing quality assessment done in the past three months against recognized health quality standards by atoll and facility type

Percentage of facilities with documentation showing assessment done in the past three months against recognized health quality standards, such as MHQS, NABH, JCI		
		n
National	2%	188
Atoll		
MLE	0%	5
HA Atoll	0%	14
HDH Atoll	0%	13
SH Atoll	0%	14
N Atoll	0%	13
R Atoll	0%	15
B Atoll	8%	13
LH Atoll	0%	4
K Atoll	0%	9
AA Atoll	0%	8
ADH Atoll	0%	10
V Atoll	0%	5
M Atoll	0%	8
F Atoll	0%	5
DH Atoll	17%	6
TH Atoll	0%	13
L Atoll	20%	10
GA Atoll	0%	9
GDH Atoll	0%	9
GN Atoll	0%	1
S Atoll	0%	4
Facility type		
Referral hospital	0%	1
Hospital L3	17%	6
Hospital L2	22%	9
Hospital L1	0%	7
Health centre L1	2%	57
Health centre L2	0%	45
Health centre L3	0%	49
Health centre L4	0%	13
other	0%	1
Managing authority		
Ministry of Health	1%	134
Governance Board	4%	54

Only 2% of the health facilities have had documentation showing assessment carried out in the past three months against recognized health quality standards. Such an assessment had been conducted in the past three months in three atolls, namely B Atoll, DH Atoll and L Atoll.

5.1.1.2. Monitoring maternal and newborn deaths

Table 154. (5.1.1.2) Percentage of facilities offering delivery services that monitor maternal and newborn deaths by atoll and facility type

	Monitor statistics on numbers of deaths among mothers within facilities	Monitor statistics on numbers of deaths among neonates within facilities	n
National	69%	71%	52
Atoll			
MLE	67%	67%	3
HA Atoll	50%	50%	4
HDH Atoll	100%	100%	3
SH Atoll	71%	57%	7
N Atoll	60%	40%	5
R Atoll	100%	100%	1
B Atoll	100%	100%	1
LH Atoll	33%	33%	3
K Atoll	100%	100%	2
AA Atoll	33%	83%	6
ADH Atoll	50%	50%	2
M Atoll	100%	100%	1
F Atoll	100%	100%	3
DH Atoll	100%	100%	1
TH Atoll	100%	100%	2
L Atoll	100%	100%	1
GA Atoll	50%	50%	2
GDH Atoll	67%	67%	3
GN Atoll	100%	100%	1
S Atoll	100%	100%	1
Facility type			
Referral hospital	100%	100%	1
Hospital L3	100%	100%	6
Hospital L2	100%	100%	9
Hospital L1	60%	80%	5
Health centre L1	40%	60%	5
Health centre L2	44%	44%	9
Health centre L3	64%	57%	14
Health centre L4	67%	67%	3
Managing authority			
Ministry of Health	65%	68%	40
Governance Board	83%	83%	12

The majority of the health facilities monitor maternal and newborn deaths. At the national level, 69% and 71% of the facilities monitor maternal and newborn deaths respectively. It is observed that in nine atolls and Malé, only some of the facilities monitor maternal and newborn deaths. However, all hospitals, including the referral hospital, and Level 2 and Level 3 hospitals, monitor maternal and newborn deaths. At Level 1, 60% of the hospitals monitor maternal deaths and 80% monitor newborn deaths.

5.1.1.3. Monitoring hospital deaths

Table 155. (5.1.1.3) Percentage of facilities offering inpatient services that monitor hospital deaths by atoll and facility type

	Monitor statistics on all deaths within facilities	Conduct death audit/ formal review of every death, occurring within facilities	n
National	70%	1%	109
Atoll			
MLE	100%	50%	2
HA Atoll	100%	0%	5
HDH Atoll	100%	0%	6
SH Atoll	100%	0%	5
N Atoll	100%	0%	4
R Atoll	100%	0%	6
B Atoll	50%	0%	8
LH Atoll	100%	0%	4
K Atoll	50%	0%	6
AA Atoll	67%	0%	6
ADH Atoll	60%	0%	10
V Atoll	100%	0%	1
M Atoll	50%	0%	4
F Atoll	40%	0%	5
DH Atoll	20%	0%	5
TH Atoll	62%	0%	13
L Atoll	20%	0%	5
GA Atoll	80%	0%	5
GDH Atoll	75%	0%	4
GN Atoll	100%	0%	1
S Atoll	100%	0%	4
Facility type			
Referral hospital	100%	100%	1
Hospital L3	100%	0%	6
Hospital L2	100%	0%	9
Hospital L1	67%	0%	6
Health centre L1	29%	0%	17
Health centre L2	67%	0%	15
Health centre L3	71%	0%	45
Health centre L4	90%	0%	10
Managing authority			
Ministry of Health	66%	0%	82
Governance Board	81%	4%	27

At the national level, 70% of the facilities maintain statistics on all deaths occurring at the facilities; however, only one facility has conducted death audit/formal review of every death occurring within the facility.

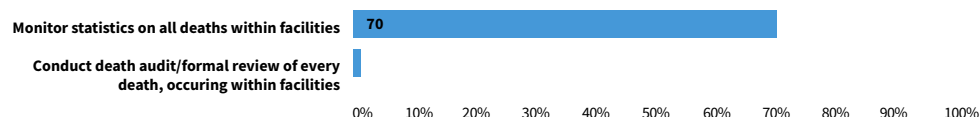


Fig. 164. Percentage of facilities that monitor hospital deaths

Percentage of facilities offering inpatient services that monitor statistics on all deaths within facilities

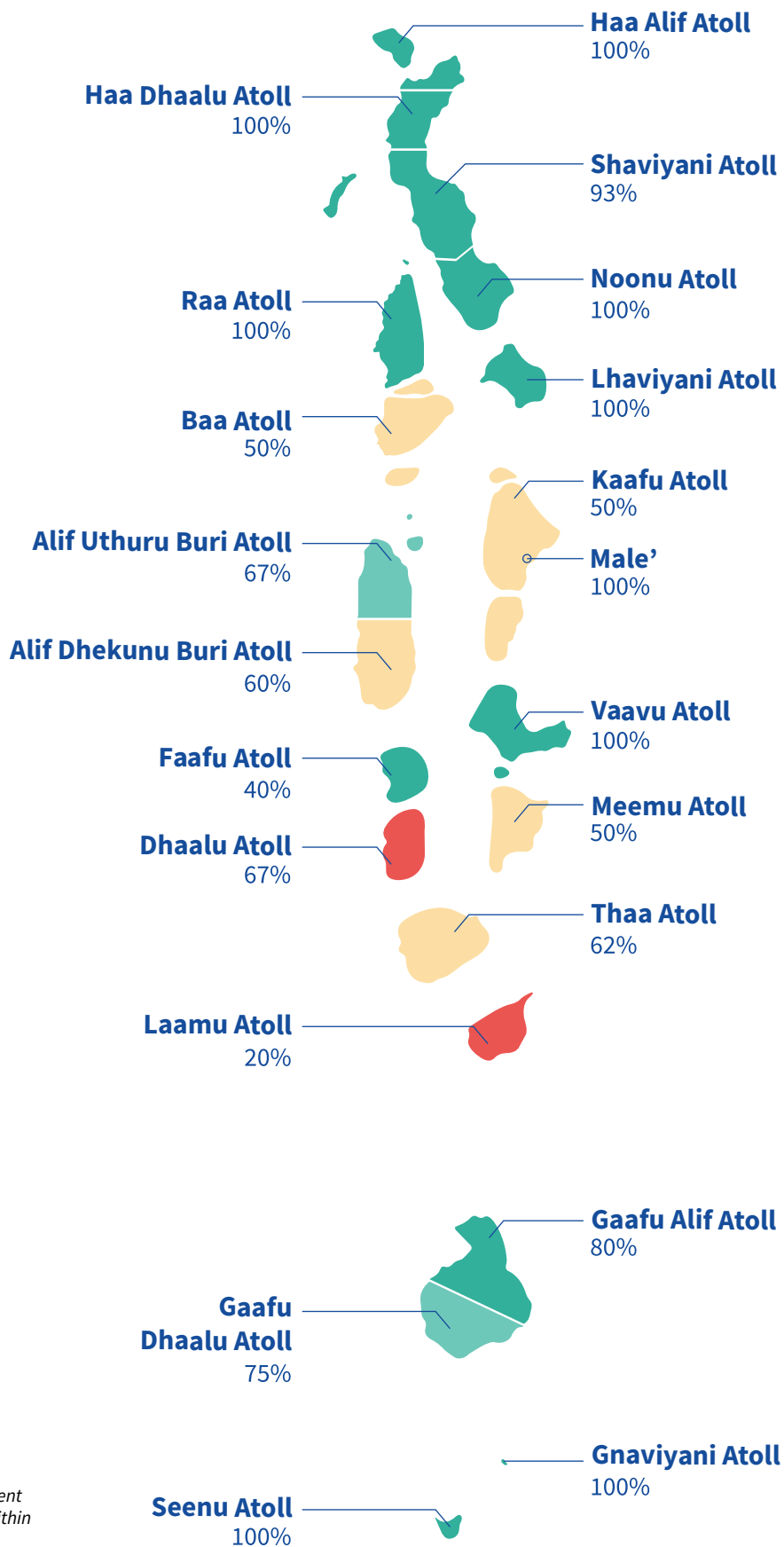
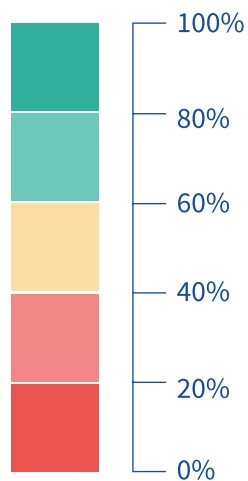


Fig. 165. Percentage of facilities offering inpatient services that monitor statistics on all deaths within facilities by atoll

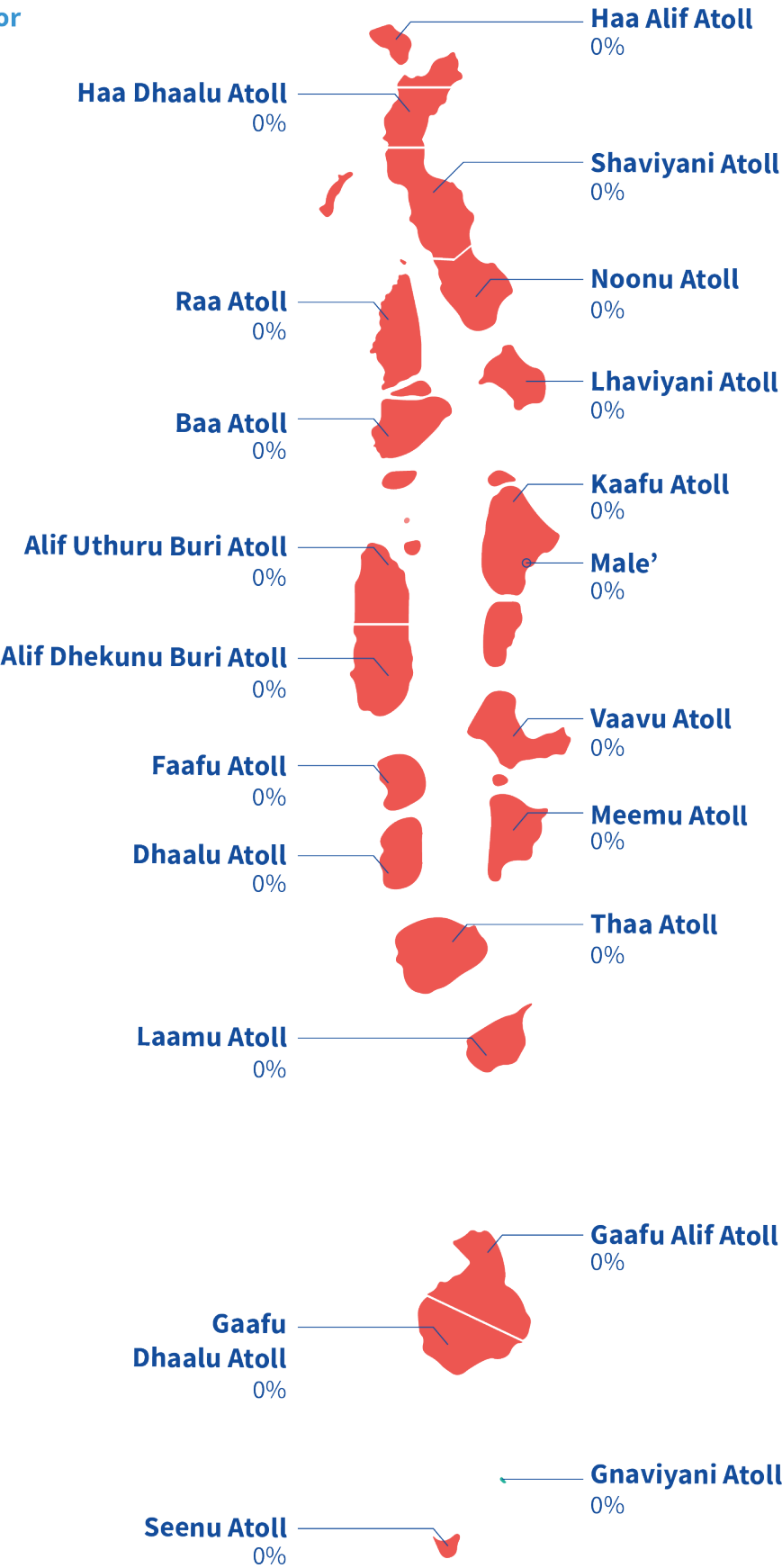
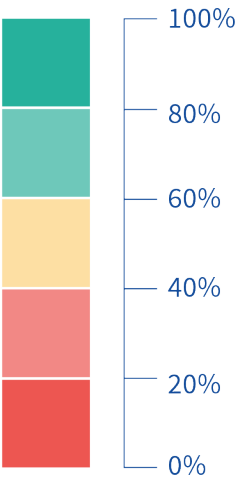
5.1.1.4. Re-admissions

Table 156. (5.1.1.4) Percentage of facilities offering inpatient services that monitor re-admissions by atoll and facility type

	Monitor statistics on numbers of re-admission within 30 days after myocardial infarction treatment at the facility	Monitor statistics on numbers of re-admission within 30 days after CVA treatment at the facility	Monitor statistics on numbers of re-admission within 30 days after major surgery at the facility	Monitor statistics on numbers of re-admission within 30 days after minor surgery at the facility	Monitor statistics on numbers of surgical site infection after major surgery at the facility	Monitor statistics on numbers of surgical site infection after minor surgery at the facility	n
National	0%	0%	0%	0%	10%	31%	109
Atoll							
MLE	0%	0%	0%	0%	0%	0%	2
HA Atoll	0%	0%	0%	0%	40%	40%	5
HDH Atoll	0%	0%	0%	0%	0%	0%	6
SH Atoll	0%	0%	0%	0%	20%	20%	5
N Atoll	0%	0%	0%	0%	50%	75%	4
R Atoll	0%	0%	0%	0%	0%	17%	6
B Atoll	0%	0%	0%	0%	13%	25%	8
LH Atoll	0%	0%	0%	0%	0%	25%	4
K Atoll	0%	0%	0%	0%	17%	0%	6
AA Atoll	0%	0%	0%	0%	0%	67%	6
ADH Atoll	0%	0%	0%	0%	0%	60%	10
V Atoll	0%	0%	0%	0%	0%	0%	1
M Atoll	0%	0%	0%	0%	0%	50%	4
F Atoll	0%	0%	0%	0%	20%	80%	5
DH Atoll	0%	0%	0%	0%	0%	0%	5
TH Atoll	0%	0%	0%	0%	8%	31%	13
L Atoll	0%	0%	0%	0%	0%	0%	5
GA Atoll	0%	0%	0%	0%	20%	60%	5
GDH Atoll	0%	0%	0%	0%	0%	0%	4
GN Atoll	0%	0%	0%	0%	100%	100%	1
S Atoll	0%	0%	0%	0%	0%	0%	4
Facility type							
Referral hospital	0%	0%	0%	0%	0%	0%	1
Hospital L3	0%	0%	0%	0%	0%	0%	6
Hospital L2	0%	0%	0%	0%	78%	78%	9
Hospital L1	0%	0%	0%	0%	17%	33%	6
Health centre L1	0%	0%	0%	0%	0%	24%	17
Health centre L2	0%	0%	0%	0%	0%	53%	15
Health centre L3	0%	0%	0%	0%	7%	27%	45
Health centre L4	0%	0%	0%	0%	0%	10%	10
Managing authority							
Ministry of Health	0%	0%	0%	0%	13%	40%	82
Governance Board	0%	0%	0%	0%	0%	4%	27

None of the health facilities monitors re-admissions and only 10% of the facilities monitor statistics on the number of surgical site infections after major surgeries at the facilities. Nearly one third (31%) monitor statistics on the number of surgical site infections after minor surgeries at the facilities.

Percentage of facilities offering inpatient services that monitor statistics on the number of re-admissions within 30 days after Myocardial infarction treatment at the facility concerned



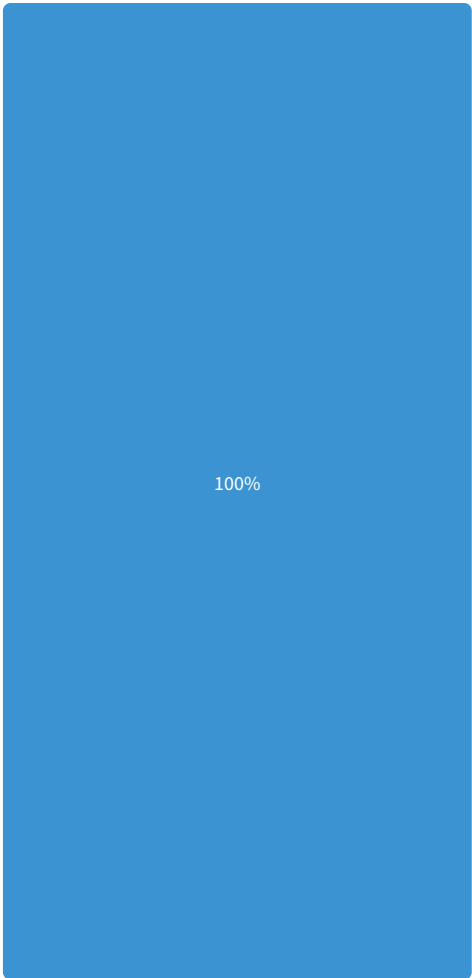
Conclusion

The HHFA provides new data on the availability and readiness of the health services across the government health facilities. As the analysis is conducted using the WHO HHFA analysis platform, predefined indicators are produced. Indicators must be interpreted within the delimitations of the analysis, with specific attention to the denominators used for the indicators in stratified data.

Given the geography of the country and the organization of the health system, the implementation of the HHFA was a daunting task; it was possible because of the strong commitment from the MoH and the WHO Country Office as well as the diligence of the team of experts and enumerators.

Annexures

Number of Facilities Completed By Atoll

Atoll Code	Atoll	No. of facilities	Population	Percent completed
10	MLE	5	234,454	 100%
20	Haa Alifu (HA) Atoll	14	17,516	
21	Haa Daalu (HDH) Atoll	13	23,446	
22	Shaviyani (SH) Atoll	14	15,526	
23	Noonu (N) Atoll	13	16,919	
24	Raa (R) Atoll	15	20,529	
25	Baa (B) Atoll	13	20,402	
26	Lhaviyani (LH) Atoll	4	14,539	
27	Kaafu (K) Atoll	9	48,740	
28	Alifu Alifu (AA) Atoll	8	13,874	
29	Alifu Dhalu (ADH) Atoll	10	20,639	
30	Vaavu (V) Atoll	5	2,703	
31	Meemu (M) Atoll	8	6,788	
32	Faafu (F) Atoll	5	6,043	
33	Dhaalu (DH) Atoll	6	10,782	
34	Thaa (TH) Atoll	13	11,518	
35	Laamu (L) Atoll	10	16,911	
36	Gaafu Alifu (GA) Atoll	9	14,722	
37	Gaafu Dhaalu (GDH) Atoll	9	15,466	
38	Gaviyani (GN) Atoll	1	9,963	
39	Seenu (S) Atoll	4	26,807	
Total		188	579,330	

Number of Facilities Completed By Atoll

	Facility name	Health facility type	1 st visit	Supervisor
1	Indira Gandhi Memorial Hospital	Tertiary	14-8-2022	Limya Supervisor
2	Villimalé Hospital	H1	17-8-2022	Sofiya Supervisor
3	Hulhumalé Hospital	H3	4-8-2022	Sofiya Supervisor
4	HA Hoarafushi Health Centre	HC4	21-8-2022	Aisthu Supervisor
5	SH Lhaimagu Health Centre	HC1	19-8-2022	Hameed Supervisor
6	N Maafaru Health Centre	HC3	27-7-2022	Nishan Supervisor
7	R Ungoofaaru Regional Hospital	H3	19-8-2022	Limya Supervisor
8	B Kudarikilu Health Centre	HC1	10-8-2022	Sofiya Supervisor
9	LH Kurendhoo Health Centre	HC3	18-8-2022	Sofiya Supervisor
10	K Huraa Health Centre	HC2	15-8-2022	Aisthu Supervisor
11	K Himmafushi Health Centre	HC3	25-8-2022	Aisthu Supervisor
12	AA Mathiveri Health Centre	HC2	21-8-2022	Hamza Supervisor
13	ADH Atoll Hospital	H1	11-8-2022	Ali Supervisor
14	V Thinadhoo Health Centre	HC1	21-8-2022	Nishan Supervisor
15	M Muli Regional Hospital	H1	22-8-2022	Hamza Supervisor
16	F Magoodhoo Health Centre	HC2	14-8-2022	Nishan Supervisor
17	DH Atoll Hospital	H2	26-8-2022	Nishan Supervisor
18	TH Thimarafushi Health Centre	HC3	22-8-2022	Hameed Supervisor
19	L Gan Regional Hospital	H3	24-8-2022	Hamza Supervisor
20	GA Atoll Hospital	H2	24-8-2022	Nishan Supervisor
21	Dr Abdul Samad Memorial Hospital	H3	22-8-2022	Hamza Supervisor
22	GN Atoll Hospital	H2	19-7-2022	Limya Supervisor
23	S Hithadhoo Regional Hospital	Tertiary	27-8-2022	Hamza Supervisor

Details of Data Collection Including Enumerators and Team Leaders Assigned to Facilities.

	Facility name	Island	Leader	Date	Enumerator
1	Dhamanaveshi	Malé	Sofiya	19-7-2022	Thoiba/Bisha
2	Indira Gandhi Memorial Hospital	Malé	Limya	10-8-2022	Luba/Bisha
3	Maldives Blood Services	Malé	Sofiya	18-7-2022	Luba
4	Villimalé Hospital	Villimalé	Sofiya	21-7-2022	Luba/Thoiba
5	Hulhumalé Hospital	Hulhumalé	Sofiya	3-8-2022	Luba/Bisha
6	HA Thuraakunu Health Centre	HA Thuraakunu	Aisthu	24-7-2022	Shazeem
7	HA Uligamu Health Centre	HA Uligamu	Aisthu	24-7-2022	Shazeem
8	HA Molhadhoo Health Centre	HA Molhadhoo	Aisthu	25-7-2022	Shazeem
9	HA Hoarafushi Health Centre	HA Hoarafushi	Aisthu	23-7-2022	Shazeem
10	Aiminaadhiyoo Health Centre	HA Ihavandhoo	Aisthu	22-7-2022	Shazeem
11	HA Kelaa Health Centre	HA Kelaa	Aisthu	27-7-2022	Shazeem
12	HA Vashafaru Health Centre	HA Vashafaru	Aisthu	26-7-2022	Shazeem
13	HA Atoll Hospital	HA Dhidhdhoo	Aisthu	30-7-2022	Shazeem
14	HA Filladhoo Health Centre	HA Filladhoo	Aisthu	28-7-2022	Shazeem
15	HA Maarandhoo Health Centre	HA Maarandhoo	Aisthu	21-7-2022	Shazeem
16	HA Thakandhoo Health Centre	HA Thakandhoo	Aisthu	20-7-2022	Shazeem
17	HA Utheemu Health Centre	HA Utheemu	Aisthu	31-7-2022	Shazeem
18	HA Muraidhoo Health Centre	HA Muraidhoo	Aisthu	29-7-2022	Shazeem
19	HA Baarah Health Centre	HA Baarah	Aisthu	28-7-2022	Shazeem
20	HDH Hanimaadhoo Health Centre	HDH Hanimaadhoo	Limya	26-7-2022	Lim
21	HDH Finey Health Centre	HDH Finey	Limya	2-8-2022	Lim
22	HDH Naivaidhoo Health Centre	HDH Naivaidhoo	Aisthu	5-8-2022	Lim
23	HDH Hirimaradhoo Health Centre	HDH Hirimaradhoo	Limya	27-7-2022	Lim
24	HDH Nolvivaranfaru Health Centre	HDH Nolvivaranfaru	Limya	28-7-2022	Lim
25	HDH Nellaidhoo Health Centre	HDH Nellaidhoo	Aisthu	6-8-2022	Lim
26	HDH Nolvivaram Health Centre	HDH Nolvivaram	Limya	28-7-2022	Lim
27	HDH Kurinbi Health Centre	HDH Kurinbee	Limya	30-7-2022	Lim
28	HDH Kulhudhuffushi Regional	HDH Kulhudhuffushi	Hamza	5-8-2022	Bisha
29	Hospital	HDH Kumundhoo	Limya	19-8-2022	Lim
30	HDH Kumundhoo Health Centre	HDH Neykurendhoo	Limya	29-7-2022	Lim
31	HDH Neykurendhoo Health Centre	HDH Vaikaradhoo	Limya	30-7-2022	Bisha

	Facility name	Island	Leader	Date	Enumerator
32	HDH Makunudhoo Health Centre	HDH Makunudhoo	Aisthu	12-8-2022	Bisha
33	SH Kanditheemu Health Centre	SH Kanditheemu	Hameed	19-8-2022	Shareef
34	SH Noomaraa Health Centre	SH Noomaraa	Hameed	25-7-2022	Haleemath
35	SH Goidhoo Health Centre	SH Goidhoo	Hameed	25-7-2022	Haleemath
36	SH Feydhoo Health Centre	SH Feydhoo	Hameed	24-7-2022	Haleemath
37	SH Feevaku Health Centre	SH Feevaku	Hameed	16-8-2022	Shareef
38	SH Bilehfahi Health Centre	SH Bilehfahi	Hameed	25-7-2022	Haleemath
39	SH Foakaidhoo Health Centre	SH foakaidhoo	Hameed	16-8-2022	Shareef
40	SH Narudhoo Health Centre	SH Narudhoo	Hameed	17-8-2022	Shareef
41	SH Maroshi Health Centre	SH Maroshi	Hameed	18-8-2022	Husham
42	SH Lhaimagu Health Centre	SH Lhaimagu	Hameed	10-8-2022	Husham
43	SH Komandoo Health Centre	SH Komandoo	Hameed	18-8-2022	Husham
44	SH Maaungoodhoo Health Centre	SH Maaungoodhoo	Hameed	19-8-2022	Shareef
45	SH Atoll Hospital	SH Funadhoo	Hameed	18-8-2022	Husham
46	SH Milandhoo Health Centre	SH Milandhoo	Hameed	17-8-2022	Shareef
47	N Henbadhoo Health Centre	N Henbadhoo	Nishan	28-7-2022	Aisha
48	N Kendhikulhudhoo Health Centre	N Kendhikulhudhoo	Nishan	28-7-2022	Aisha
49	N Maalhendhoo Health Centre	N Maalhendhoo	Nishan	19-7-2022	Aisha
50	N Kudafaree Health Centre	N Kudafaree	Nishan	28-7-2022	Aisha
51	N Landhoo Health Centre	N Landhoo	Nishan	16-7-2022	Aisha
52	N Maafaru Health Centre	N Maafaru	Nishan	27-7-2022	Aisha
53	N Lhohi Health Centre	N Lhohi	Nishan	26-7-2022	Aisha
54	N Miladhoo Health Centre	N Miladhoo	Nishan	25-7-2022	Aisha
55	N Magoodhoo Health Centre	N Magoodhoo	Nishan	25-7-2022	Aisha
56	N Atoll Hospital	N Manadhoo	Nishan	23-7-2022	Aisha
57	N Holhudhoo Health Centre	N Holhudhoo	Nishan	24-7-2022	Aisha
58	N Fohdhoo Health Centre	N Fohdhoo	Nishan	24-7-2022	Aisha
59	N Velidhoo Health Centre	N Velidhoo	Nishan	24-7-2022	Aisha
60	R Alifushi Health Centre	R Alifushi	Limya	11-8-2022	Bisha/Lim
61	R Vaadhoo Health Centre	R Vaadhoo	Limya	11-8-2022	Bisha/Lim
62	R Rasgetheemu Health Centre	R Rasgetheemu	Limya	12-8-2022	Bisha/Lim
63	R Angolhitheemu Health Centre	R Angolhitheemu	Limya	12-8-2022	Bisha/Lim
64	R Ungoofaaru Regional Hospital	R Ungoofaaru	Limya	13-8-2022	Bisha

Facility name	Island	Leader	Date	Enumerator
65 R Maakurathu Health Centre	R Maakurathu	Limya	14-8-2022	Lim
66 R Rasmaadhoo Health Centre	R Rasmaadhoo	Limya	14-8-2022	Bisha
67 R innamaadhoo Health Centre	R innamaadhoo	Limya	14-8-2022	Bisha
68 R Maduvvaree Health Centre	R Maduvvaree	Limya	15-8-2022	Bisha/Lim
69 R Inguraidhoo Health Centre	R Inguraidhoo	Limya	14-8-2022	Bisha
70 R Fainu Health Centre	R Fainu	Limya	15-8-2022	Bisha
71 R Meedhoo Health Centre	R Meedhoo	Limya	15-8-2022	Bisha
72 R Kinolhas Health Centre	R Kinolhas	Limya	15-8-2022	Lim
73 R Hulhudhuffaaruu Health Centre	R Hulhudhuffaaruu	Limya	12-8-2022	Lim
74 R Dhuvaafaru Health Centre	R Dhuvaafaru	Limya	12-8-2022	Nasma
75 B Kudarikilu Health Centre	B Kudarikilu	Sofiya	10-8-2022	Afrah
76 B Kamadhoo Health Centre	B Kamadhoo	Sofiya	21-8-2022	Mahidha
77 B Kendhoo Health Centre	B Kendhoo	Sofiya	7-8-2022	Afrah
78 B Kihaadhoo Health Centre	B Kihaadhoo	Sofiya	9-8-2022	Nasma
79 B Dhonfanu Health Centre	B Dhonfanu	Sofiya	7-8-2022	Nasma
80 B Dharavandhoo Health Centre	B Dharavandhoo	Sofiya	11-8-2022	Afrah
81 B Maalhos Health Centre	B Maalhos	Sofiya	8-8-2022	Afrah/Mahidha
82 B Atoll Hospital	B Eydhafushi	Sofiya	13-8-2022	Afrah
83 B Thulhaadhoo Health Centre	B Thulhaadhoo	Sofiya	17-8-2022	Maaheenooz
84 B Hithaadhoo Health Centre	B Hithaadhoo	Sofiya	17-8-2022	Maaheenooz
85 B Fulhadhoo Health Centre	B Fulhadhoo	Sofiya	16-8-2022	Maaheenooz
86 B Fehendhoo Health Centre	B Fehendhoo	Sofiya	16-8-2022	Maaheenooz
87 B Goidhoo Health Centre	B Goidhoo	Sofiya	15-8-2022	Simad
88 LH Hinnavaruu Health Centre	LH Hinnavaruu	Sofiya	17-7-2022	Simad
89 LH Atoll Hospital	LH Naifaru	Sofiya	23-7-2022	Shaheema
90 LH Kurendhoo Health Centre	LH Kurendhoo	Sofiya	19-7-2022	Shaheema
91 LH Olhuvelifushi Health Centre	LH Olhuvelifushi	Sofiya	25-7-2022	Nishan/Hamza
92 K Kaashidhoo Health Centre	K Kaashidhoo	Aisthu	24-8-2022	Nishan/Hamza
93 K Gaafaru Health Centre	K Gaafaru	Aisthu	24-8-2022	Nishan/Hamza
94 K Dhiffushi Health Centre	K Dhiffushi	Aisthu	12-8-2022	Nishan/Hamza
95 K Thulusdhoo Health Centre	K Thulusdhoo	Aisthu	23-8-2022	Nishan/Hamza
96 K Huraa Health Centre	K Huraa	Aisthu	15-8-2022	Nishan/Hamza
97 K Himmafushi Health Centre	K Himmafushi	Aisthu	25-8-2022	Nishan/Hamza

Facility name	Island	Leader	Date	Enumerator
98 K Gulhi Health Centre	K Gulhi	Aisthu	14-8-2022	Nishan/Hamza
99 K Maafushi Health Centre	K Maafushi	Aisthu	17-7-2022	Nishan/Hamza
100 K Guraidhoo Health Centre	K Guraidhoo	Aisthu	13-8-2022	Luba/Hamza
101 AA Thoddoo Health Centre	AA Thoddoo	Nishan	14-7-2022	Luba/Hamza
102 AA Atoll Hospital	AA Rasdhoo	Hamza	24-7-2022	Luba/Hamza
103 AA Ukullhas Health Centre	AA Ukullhas	Hamza	13-8-2022	Ramiz
104 AA Mathiveri Health Centre	AA Mathiveri	Hamza	13-8-2022	Ramiz
105 AA Bodufulhadhoo Health Centre	AA Bodufulhadhoo	Hamza	14-8-2022	Ramiz
106 AA Feridhoo Health Centre	AA Feridhoo	Hamza	10-8-2022	Ramiz
107 AA Maalhos Health Centre	AA Maalhos	Hamza	11-8-2022	Ramiz
108 AA Himandhoo Health Centre	AA Himandhoo	Hamza	21-8-2022	Ali
109 ADH Hangnaameedhoo Health Centre	ADH Hangnaameedhoo	Ali	13-8-2022	Tholhath
110 ADH Omadhoo Health Centre	ADH Omadhoo	Ali	31-7-2022	Tholhath
111 ADH Kunburudhoo Health Centre	ADH Kunburudhoo	Ali	17-7-2022	Ali/Tholhath
112 ADH Atoll Hospital	ADH Mahibadhoo	Ali	11-8-2022	Tholhath
113 ADH Mandhoo Health Centre	ADH Mandhoo	Ali	29-7-2022	Tholhath
114 ADH Dhangethi Health Centre	ADH Dhangethi	Ali	28-7-2022	Tholhath
115 ADH Dhigurah Health Centre	ADH Dhigurah	Ali	24-7-2022	Tholhath
116 ADH Fenfushi Health Centre	ADH Fenfushi	Ali	25-7-2022	Tholhath
117 ADH Dhidhdhoo Health Centre	ADH Dhidhdhoo	Ali	23-7-2022	Tholhath
118 ADH Maamigili Health Centre	ADH Maamigili	Ali	19-7-2022	Tholhath
119 V Fulidhoo Health Centre	V Fulidhoo	Nishan	25-7-2022	Sobah
120 V Thinadhoo Health Centre	V Thinadhoo	Nishan	10-7-2022	Sobah
121 V Atoll Hospital	V Felidhoo	Nishan	18-8-2022	Sobah
122 V Keyodhoo Health Centre	V Keyodhoo	Nishan	7-8-2022	Sobah
123 V Rakeedhoo Health Centre	V Rakeedhoo	Nishan	19-8-2022	Sobah
124 M Rai'ymandhoo Health Centre	M Rai'ymandhoo	Hamza	18-8-2022	Farhath
125 M Veyvah Health Centre	M Veyvah	Hamza	18-8-2022	Farhath
126 M Mulah Health Centre	M Mulah	Hamza	5-8-2022	Farhath
127 M Muli Regional Hospital	M Muli	Hamza	18-8-2022	Farhath
128 M Naalaafushi Health Centre	M Naalaafushi	Hamza	18-8-2022	Farhath
129 M Kolhufushi Health Centre	M Kolhufushi	Hamza	5-8-2022	Farhath
130 M Dhiggaru Health Centr	M Dhiggaru	Hamza	18-8-2022	Farhath

Facility name	Island	Leader	Date	Enumerator
131 M Maduvvaree Health Centre	M Maduvvaree	Nishan	18-8-2022	Farhath
132 F Feeali Health Centre	F Feeali	Nishan	17-8-2022	Zaeem
133 F Bilehdhoo Health Centre	F Bilehdhoo	Nishan	7-8-2022	Zaeem
134 F Magoodhoo Health Centre	F Magoodhoo	Nishan	3-8-2022	Zaeem
135 F Dharaboodhoo Health Centre	F Dharaboodhoo	Nishan	4-8-2022	Zaeem
136 F Atoll Hospital	F Nilandhoo	Nishan	8-8-2022	Zaeem
137 DH Meedhoo Health Centre	DH Meedhoo	Hameed	24-7-2022	Luba
138 DH Bandidhoo Health Centre	DH Bandidhoo	Hameed	23-7-2022	Luba
139 DH Rinbudhoo Health Centre	DH Rinbudhoo	Hameed	24-7-2022	Luba
140 DH Hulhudheli Health Centre	DH Hulhudheli	Hameed	24-7-2022	Luba
141 DH Maaenboodhoo Health Centre	DH Maaenboodhoo	Hameed	23-7-2022	Luba
142 DH Atoll Hospital	DH Kudahuvadhoo	Hameed	22-7-2022	Luba
143 TH Buruni Health Centre	TH Buruni	Hameed	24-7-2022	Zamua
144 TH Vilufushi Health Centre	TH Vilufushi	Hameed	25-7-2022	Zamua
145 TH Madifushi Health Centre	TH Madifushi	Hameed	26-7-2022	Zamua
146 TH Dhiyamigili Health Centre	TH Dhiyamigili	Hameed	26-7-2022	Zamua
147 TH Guraidhoo Health Centre	TH Guraidhoo	Hameed	20-8-2022	Zamua
148 TH Kandoodhoo Health Centre	TH Kandoodhoo	Hameed	12-8-2022	Zamua
149 TH Vandhoo Health Centre	TH Vandhoo	Hameed	12-8-2022	Zamua
150 TH Hirilandhoo Health Centre	TH Hirilandhoo	Hameed	12-8-2022	Zamua
151 TH Gaadhiffushi Health Centre	TH Gaadhiffushi	Hameed	27-7-2022	Zamua
152 TH Thimarafushi Health Centre	TH Thimarafushi	Hameed	17-7-2022	Zamua
153 TH Atoll Hospital	TH Veymandoo	Hameed	21-8-2022	Zamua
154 TH Kinbidhoo Health Centre	TH Kinbidhoo	Hameed	12-8-2022	Zamua
155 TH Omadhoo Health Centre	TH Omadhoo	Hameed	12-8-2022	Zamua
156 L Isdhoo Health Centre	L Isdhoo	Hamza	13-8-2022	Shausan
157 L Dhanbidhoo Health Centre	L Dhanbidhoo	Hamza	13-8-2022	Shausan
158 L Maabaidhoo Health Centre	L Maabaidhoo	Hamza	12-8-2022	Shausan
159 L Mundoo Health Centre	L Mundoo	Hamza	12-8-2022	Shausan
160 L Gan Regional Hospital	L Gan	Hamza	24-8-2022	Shausan/Naseer
161 L Maavah Health Centre	L Maavah	Hamza	18-8-2022	Shausan
162 L Fonadhoo Health Centre	L Fonadhoo	Hamza	16-8-2022	Shausan
163 L Maamendhoo Health Centre	L Maamendhoo	Hamza	18-8-2022	Shausan

Facility name	Island	Leader	Date	Enumerator
164 L Hithadhoo Health Centre	L Hithadhoo	Hamza	18-8-2022	Shausan
165 L Kunahandhoo Health Centre	L Kunahandhoo	Hamza	18-8-2022	Shausan
166 GA Kolamaafushi Health Centre	GA Kolamaafushi	Nishan	19-8-2022	Nishana/Nifu
167 GA Atoll Hospital	GA Villingili	Nishan	11-8-2022	Nishana/Nifu
168 GA Maamendhoo Health Centre	GA Maamendhoo	Nishan	25-7-2022	Nishana/Nifu
169 GA Nilandhoo Health Centre	GA Nilandhoo	Nishan	13-7-2022	Nishana/Nifu
170 GA Dhaandhoo Health Centre	GA Dhaandhoo	Nishan	4-8-2022	Nishana/Nifu
171 GA Dheevadhoo Health Centre	GA Dheevadhoo	Nishan	16-7-2022	Nishana/Nifu
172 GA Kondey Health Centre	GA Kondey	Nishan	4-8-2022	Nishana/Nifu
173 GA Gemanafushi Health Centre	GA Gemanafushi	Nishan	5-8-2022	Nishana/Nifu
174 GA Kanduhulhudhoo Health Centre	GA Kanduhulhudhoo	Nishan	7-7-2022	Nishana/Nifu
175 GDH Madaveli Health Centre	GDH Madaveli	Hamza	27-7-2022	Hussain
176 GDH Hoandedhdhoo Health Centre	GDH Hoandedhdhoo	Hamza	25-7-2022	Hussain
177 GDH Nadella Health Centre	GDH Nadella	Hamza	27-7-2022	Hussain
178 GDH Gadhdhoo Health Centre	GDH Gadhdhoo	Hamza	25-7-2022	Lim
179 GDH Rathafandhoo Health Centre	GDH Rathafandhoo	Hamza	27-7-2022	Hamza
180 GDH Vaadhoo Health Centre	GDH Vaadhoo	Hamza	26-7-2022	Lim
181 GDH Fiyoari Health Centre	GDH Fiyoari	Hamza	24-7-2022	Hamza
182 Dr. Abdul Samad Memorial Hospital	GDH Thinadhoo	Hamza	28-7-2022	Hussain
183 GDH Faresmaathoda Health Centre	GDH Faresmaathoda	Hamza	26-7-2022	Hamza
184 GN Atoll Hospital	GN Fuvahmulah	Limya	19-7-2022	Hamza
185 S Hithadhoo Regional Hospital	S Hithadhoo	Hamza	27-8-2022	Najeeb/Ali
186 S Maradhoo Health Centre	S Maradhoo	Ali	15-7-2022	Najeeb
187 S Feydhoo Health Centre	S Feydhoo	Ali	13-7-2022	Najeeb
188 S Hulhumeedhoo Health Centre	S Hulhumeedhoo	Ali	20-8-2022	Najeeb

HHFA Validation Meeting Participants

	Name	Designation	Workplace
1	Dr. Shah Abdulla Mahir	Minister of State for Health	MOH
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17	Aminath Shahuza	Director	HPA
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22	Aminath Hanaan	Public health program officer	HPA
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37 Ahmed Saeed	Manager	ASMH
38 Naseema Abdulla	Director	THAH
39 Ahmed Dawood	CEO	KRH
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42 Yoosuf Rasheed	Clinical Nurse	VMH
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Harmonized Health Facility Assessment (HHFA): Maldives 2022/2023



Ministry of Health
Republic of Maldives



**World Health
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Maldives