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Country Presentation - Bangladesh

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Agenda

- Sources of ICT Statistics in Bangladesh
- Objectives of the ICT survey
- Sampling Methodology
- Allocation of Sample Households
- Data Quality Monitoring Mechanism
- Survey Results: Key Indicators of the ICT Survey
  - Household-based ICT Indicators
  - Individual-based ICT Indicators

Sources of ICT Statistics in Bangladesh

Sl	Sources	Year	Modality	Sample size	Interview methods	Comments
1	ICT Surveys	2013	ICT Modular Survey with LFS	1284 PSUs 30816 Households	Paper and Pencil Interviewing (PAPI) method	Manual for Measuring ICT Access and Use by Households and Individuals, 2009
		2022	Standalone ICT Survey	1284 PSUs 30816 Households	Computer Assisted Personal Interviewing (CAPI) method	Manual for Measuring ICT Access and Use by Households and Individuals, 2020
		2023	Standalone ICT Survey	1284 PSUs 30816 Households	Computer Assisted Personal Interviewing (CAPI) method	
2	Census	2022	Population and Housing Census	All households	Computer Assisted Personal Interviewing (CAPI) method	Only Internet and Mobile use
3	Other Surveys	Various years	SVRS, MICS	Sample households	Computer Assisted Personal Interviewing (CAPI) method	Only Internet and Mobile use

ICT Access and Use by Households and Individuals Survey 2023

Objectives: The objectives of the survey is provided below:

a) To obtain socio-economic information with a view of understanding usage patterns of ICT services;

- b) To collect latest and specific information on ICT use and access by individuals and households;
- c) To Generate ICT related data for SDG Tracker, International Telecommunication Union (ITU) and ICT Development Index (IDI) for reflecting ICT situation of the country.

Sampling Design

- Two-Stage Stratified Cluster sampling design;
- At first stage: 1284 PSUs is drawn using Probability Proportional to Size (PPS);
- At second stage: 24 households is selected from each of the selected 1284 PSU using Systematic Random Sampling (SyRS);
- A total of 30,816 households is interviewed;
- Survey domain was 16.

Allocation of Sample Households by Division and Locality

Division	Locality		
	Rural	Urban	Total
Barishal	1272	1320	2592
Chattogram	2448	2736	5184
Dhaka	3192	3720	6912
Khulna	2160	1872	4032
Mymensingh	840	888	1728
Rajshahi	2232	1800	4032
Rangpur	2064	1680	3744
Sylhet	1320	1272	2592
Total	15,528	15,288	30,816

Data Quality Monitoring

- CAPI Application is developed using CSPro Android software;
- Necessary logics, checks and validation rule is incorporated during Application development;
- Questionnaire and manual is developed following ITU Manual 2020;
- The Questionnaire and CAPI Application is pre-tested and piloted;
- Used 8.5” Tablets for questionnaire administration;
- NOC(Network Operation Center) is developed to monitor data quality;

Data Quality Monitoring

- Recruit and train 107 Enumerators and 85 Supervising officers;
- Data collection Feb-Apr 2023;
- Centralize monitoring mechanism by Enumerator using NOC(Network Operation Center);
- Data Quality monitoring using Batch mode of Stata programming;
- Almost 70% direct interview and the rest 30% proxy interview.

ICT Household Indicators

1. HH1. Proportion of households with a radio
2. HH2. Proportion of households with a television
3. HH3. Proportion of households with telephone
4. HH4. Proportion of households with a computer
5. HH6. Proportion of households with internet
6. HH11. Proportion of households with internet, by type of service
7. HH13. Proportion of households with multichannel television, by type
8. HH14. Barriers to household internet access

ICT Individuals Indicators

1. HH5. Proportion of individuals using a Computer
2. HH7. Proportion of individuals using Internet (SDG Indicator)
3. HH8. Proportion of individuals using Internet, by location
4. HH9. Proportion of individuals using Internet, by type of activity
5. HH10. Proportion of individuals using a Mobile phone
6. HH12. Proportion of individuals using Internet, by frequency
7. HH15. Individuals with ICT skills, by type of skills (SDG Indicator)
8. HH17. Proportion of individuals using Internet, by type of Device & Network
9. HH18. Proportion of individuals who own a Mobile phone (SDG Indicator)
10. HH19. Proportion of individuals not using the Internet, by type of reason

Key Indicators of the Survey

Proportion of Households with Access to ICT

Computer

(8.9%)

Internet

(43.6%)

Mobile phone

(97.9%)

Fixed phone

(0.7%)

Radio

(14.9%)

Television

(62.2%)

Electricity

(99.1%)

Proportion of Households with Access to ICT by locality

Computer

Rural (3.3%)

Urban (26.0%)

Internet

Rural-(37.1%)

Urban (63.1%)

Mobile phone

Rural (97.4%)

Urban (99.4%)

Fixed phone

Rural (0.3%)

Urban (1.9%)

Radio

Rural (11.4%)

Urban (24.1%)

Television

Rural (56.3%)

Urban (79.8%)

Electricity

Rural (99.0%)

Urban (99.2%)

Proportion of Households with Access to ICT by Year

Computer

2013 (5.7%)

2023 (8.9%)

Internet

2013 (4.8%)

2023 (43.6%)

Mobile phone

2013 (87.7%)

2023 (97.9%)

Fixed phone

2013 (3.1%)

2023 (0.7%)

Radio

2013 (13.9%)

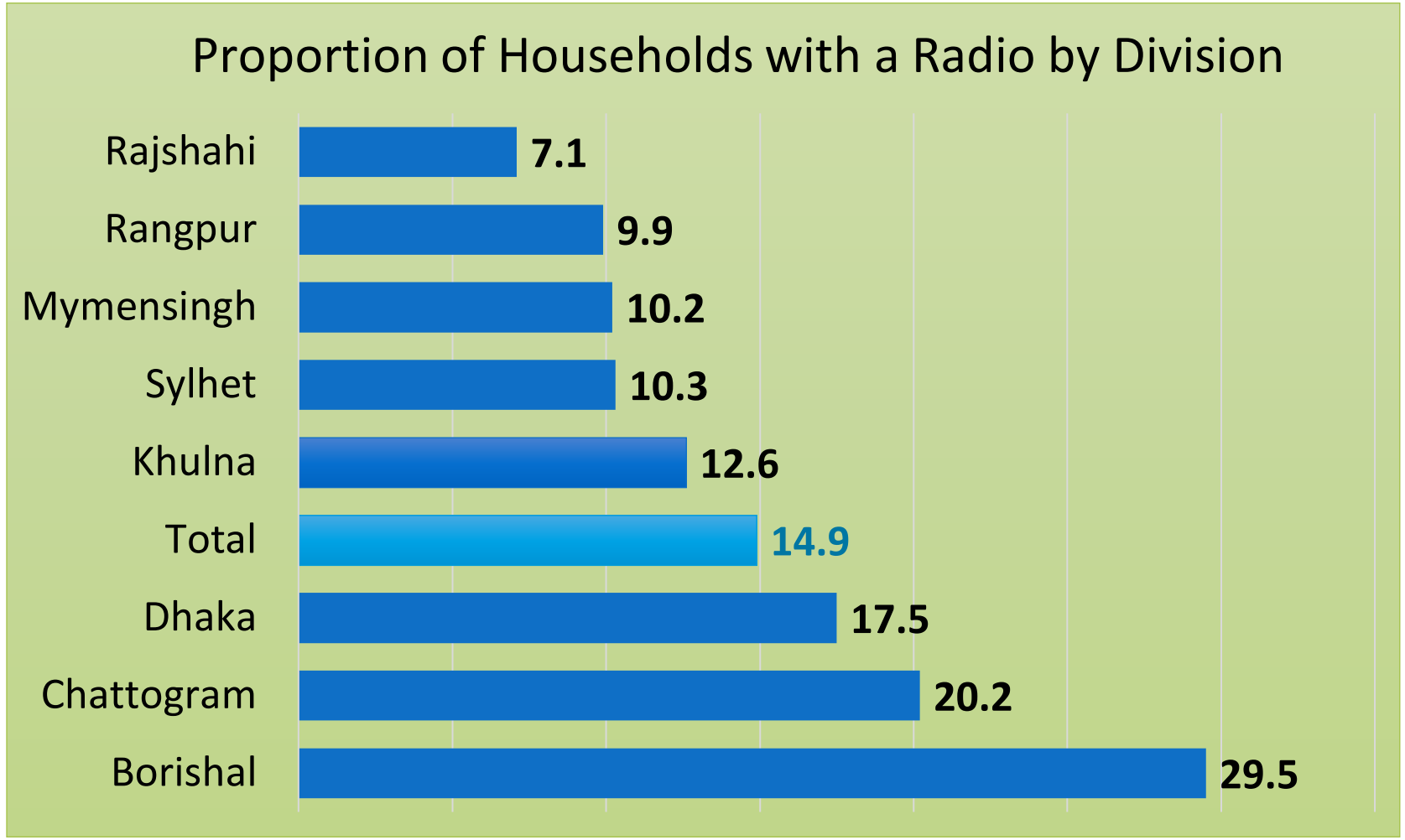
2023 (14.9%)

Television

2013 (46.0%)

2023 (62.2%)

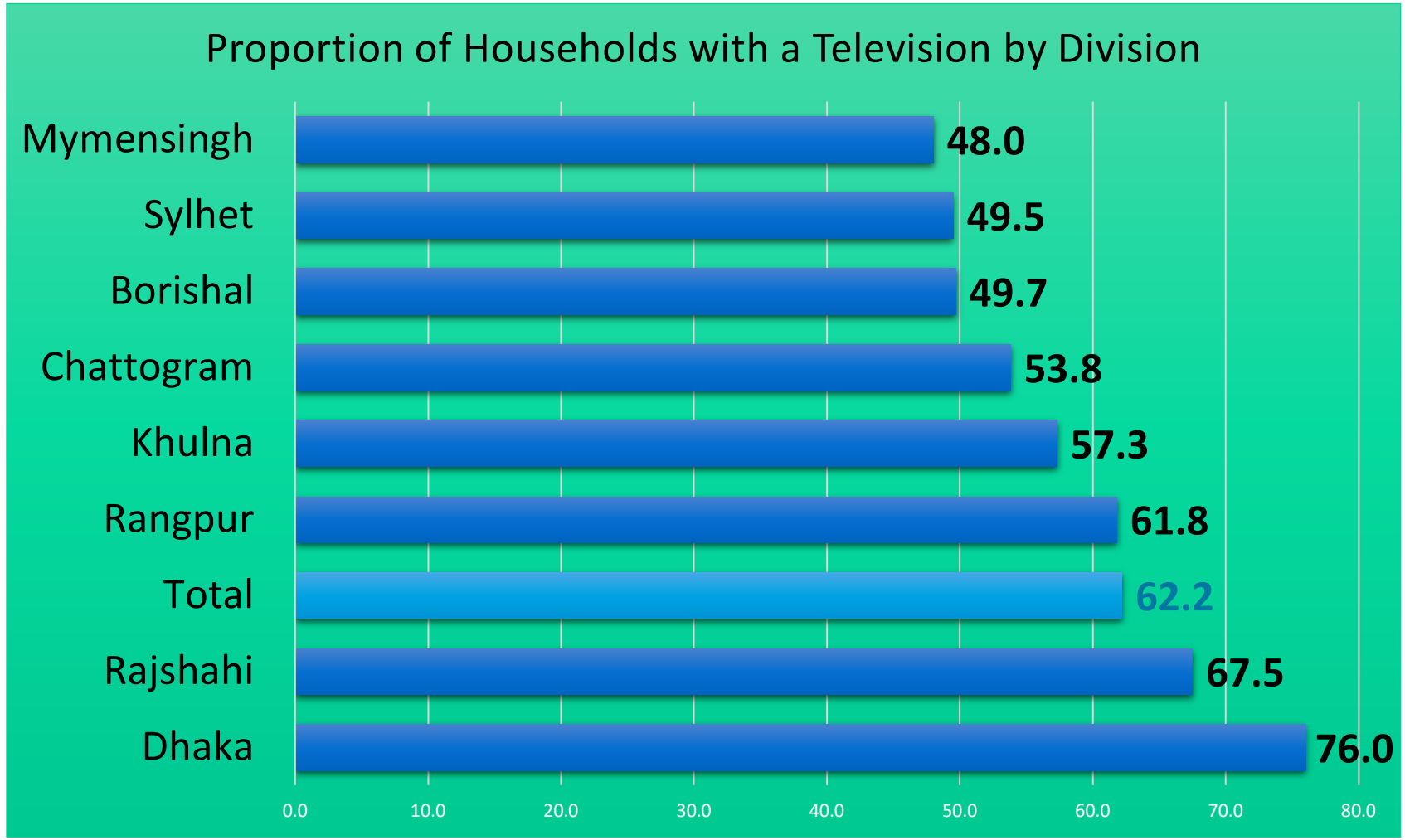
Proportion of Households with a Radio



Radio

(14.9%)

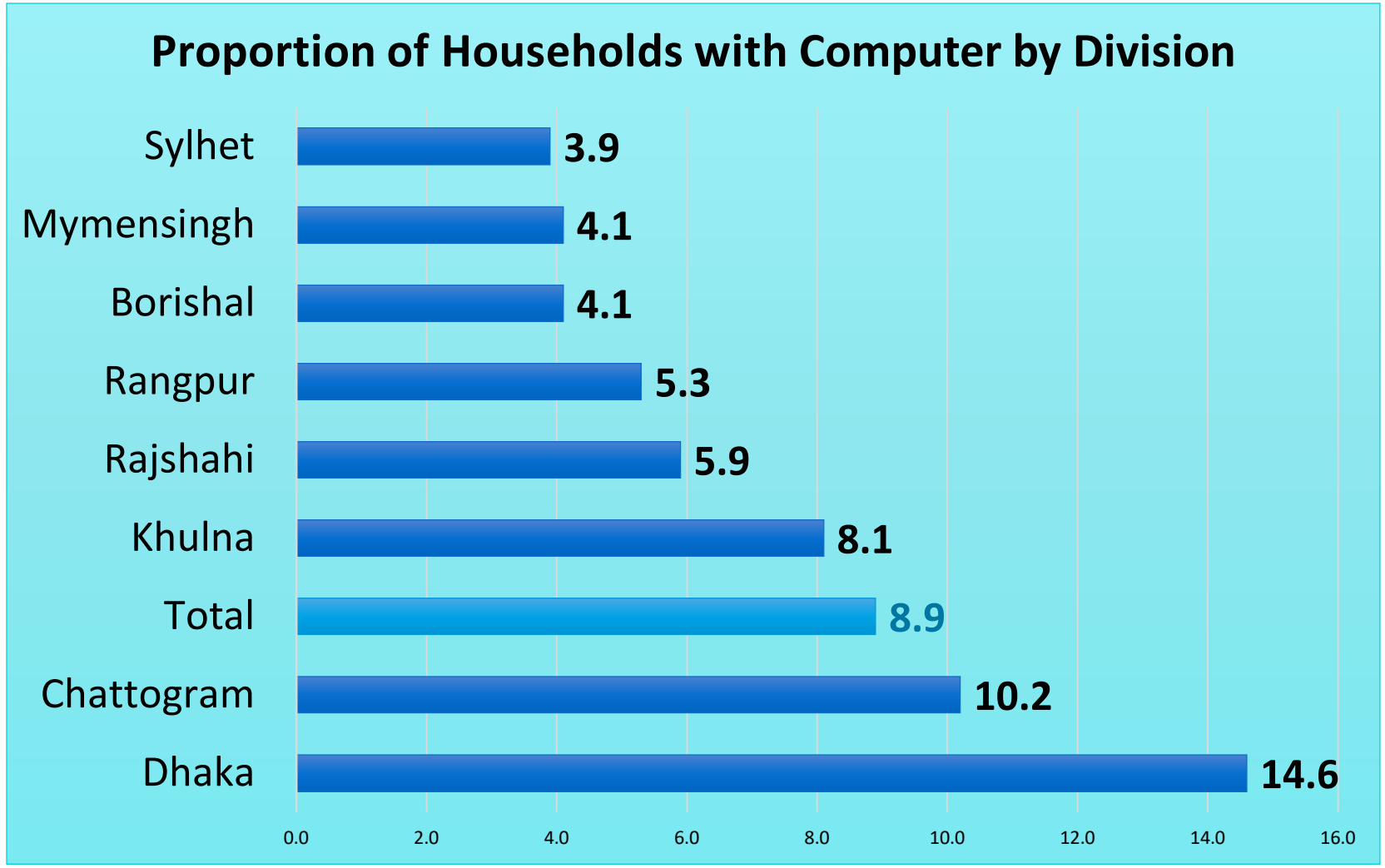
Proportion of Households with a Television



Television

(62.2%)

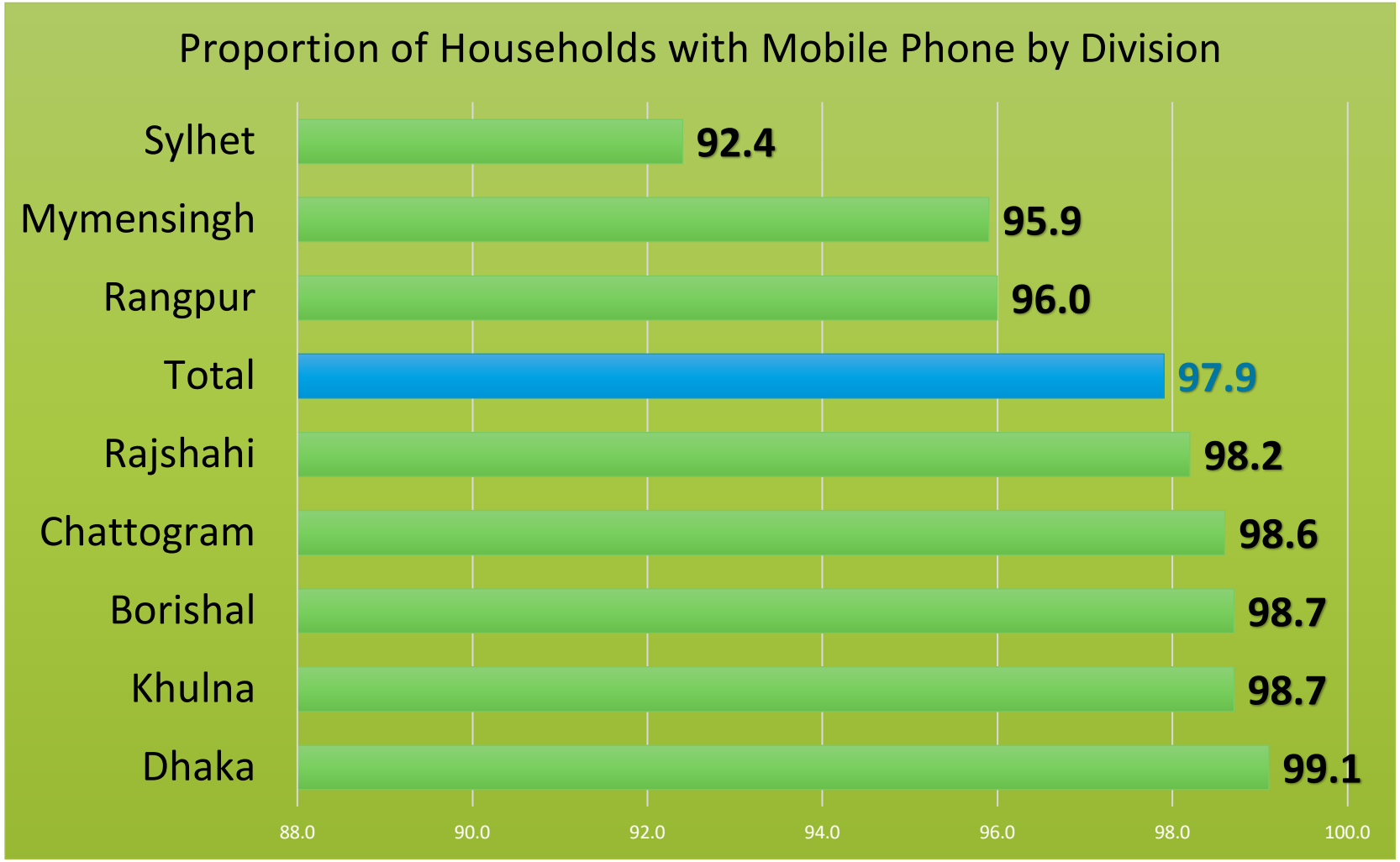
Proportion of Households with Computer



Computer

(8.9%)

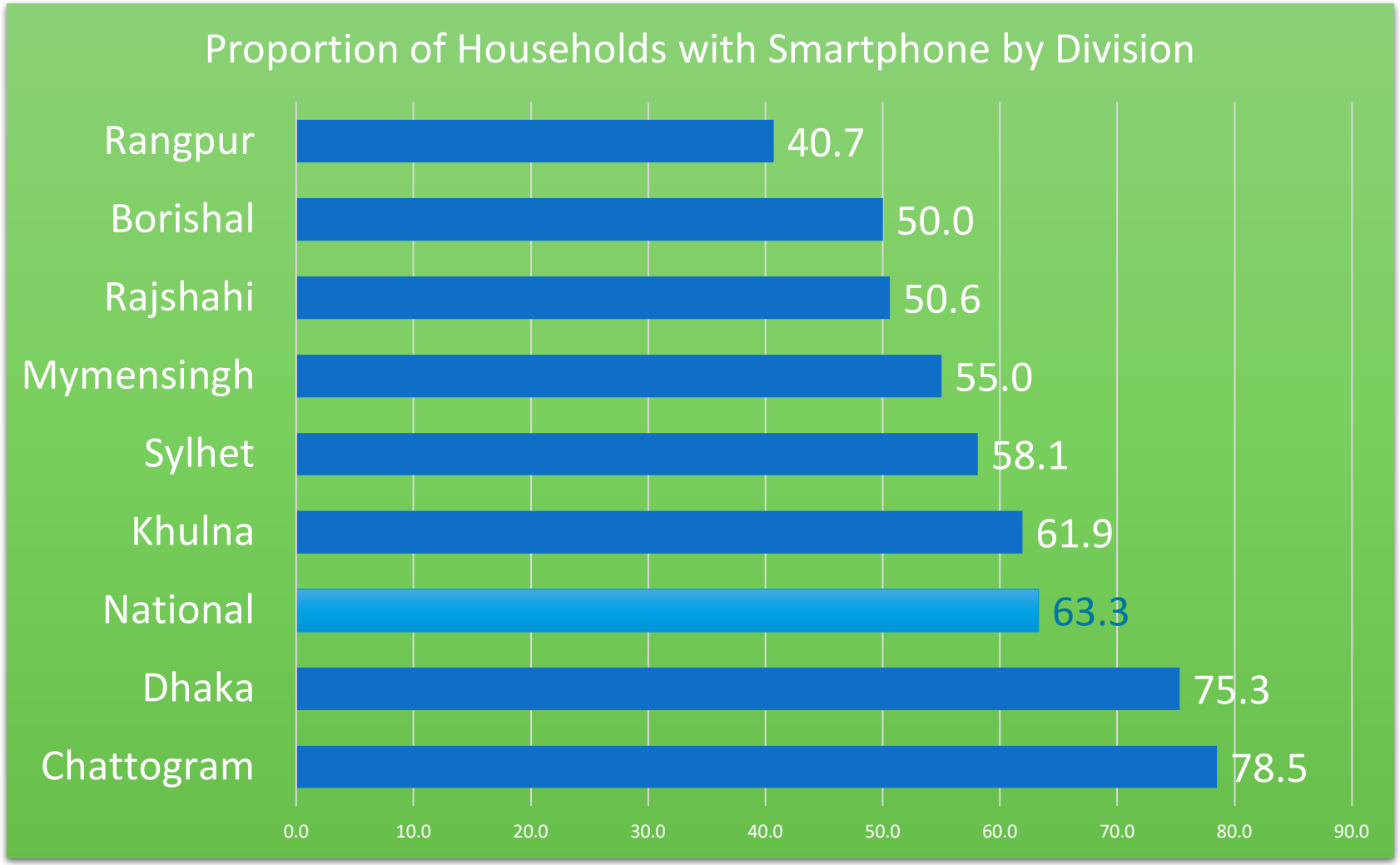
Proportion of Households with Mobile Phone



Mobile phone

(97.9%)

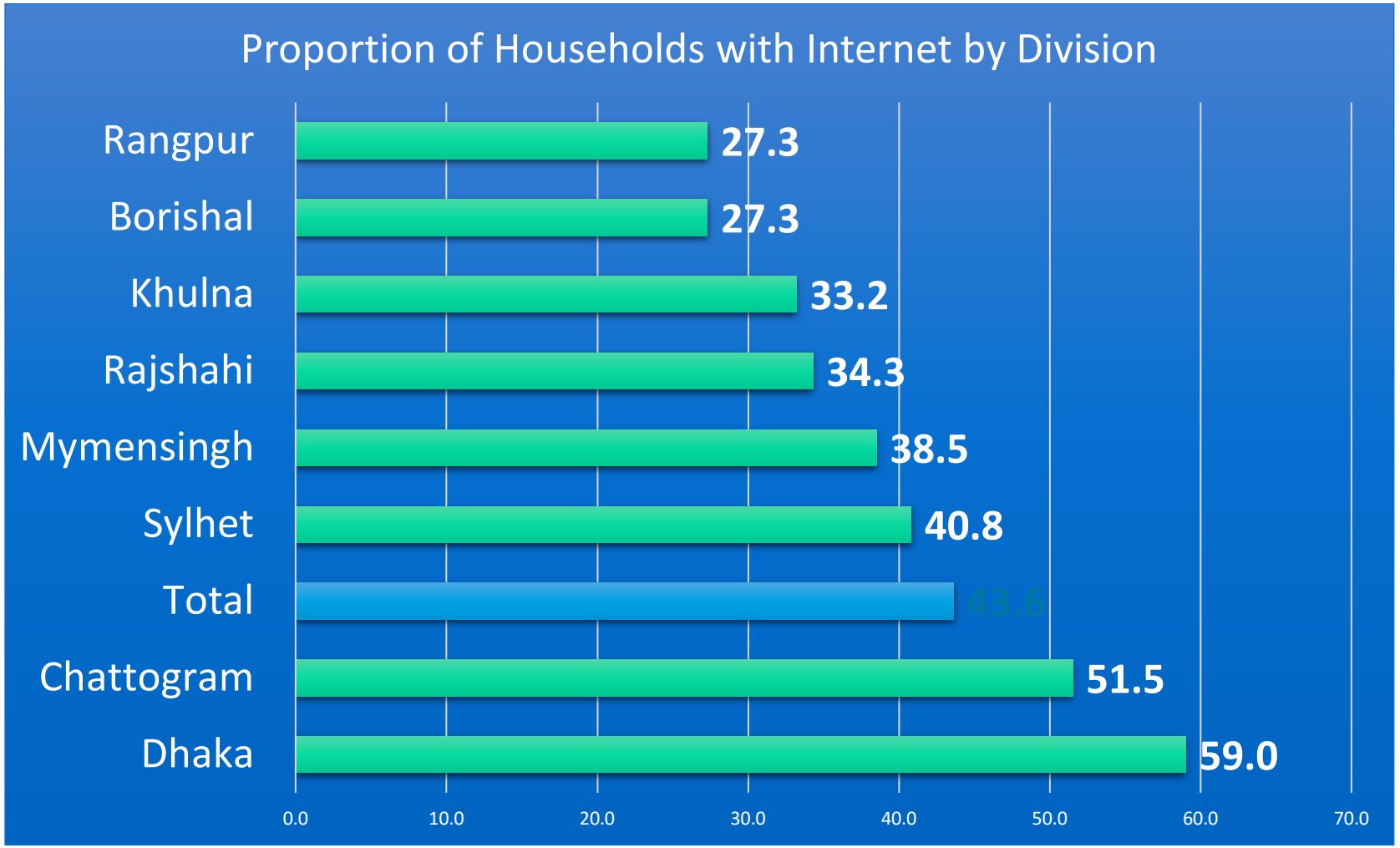
Proportion of Households with Smartphone

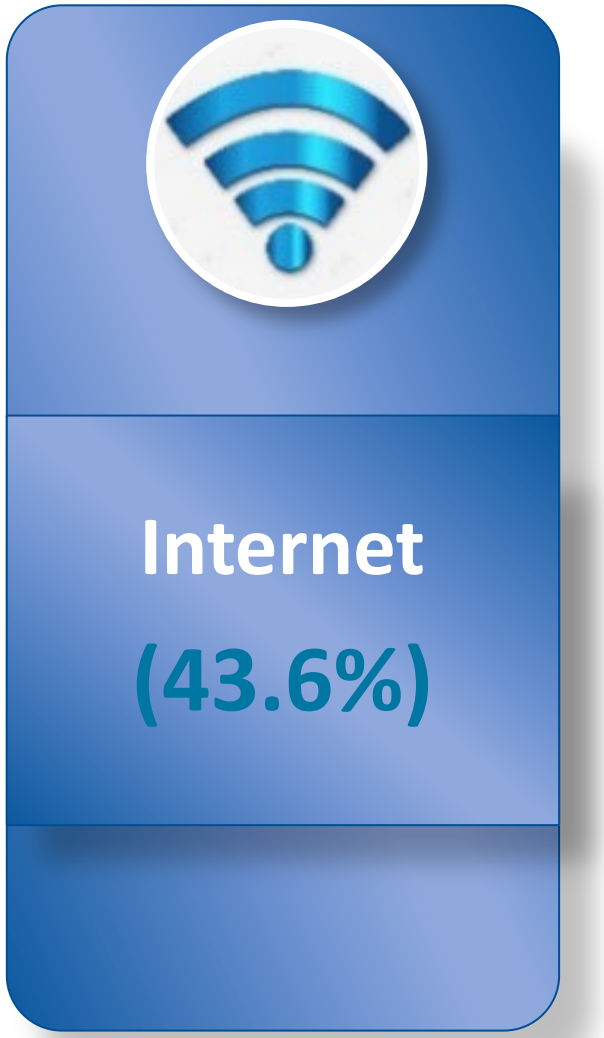


Smartphone

(63.3%)

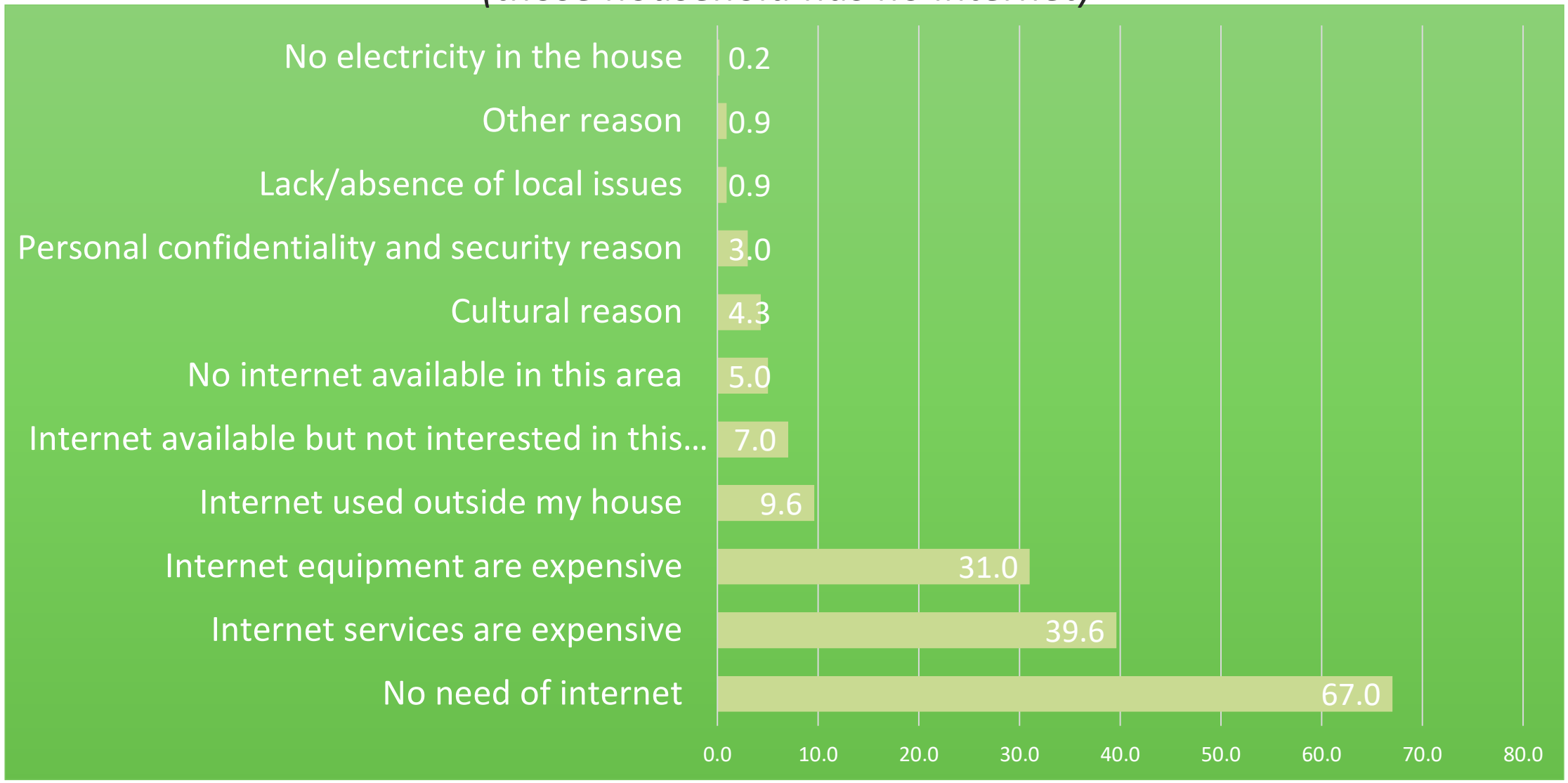
Proportion of Households with Internet



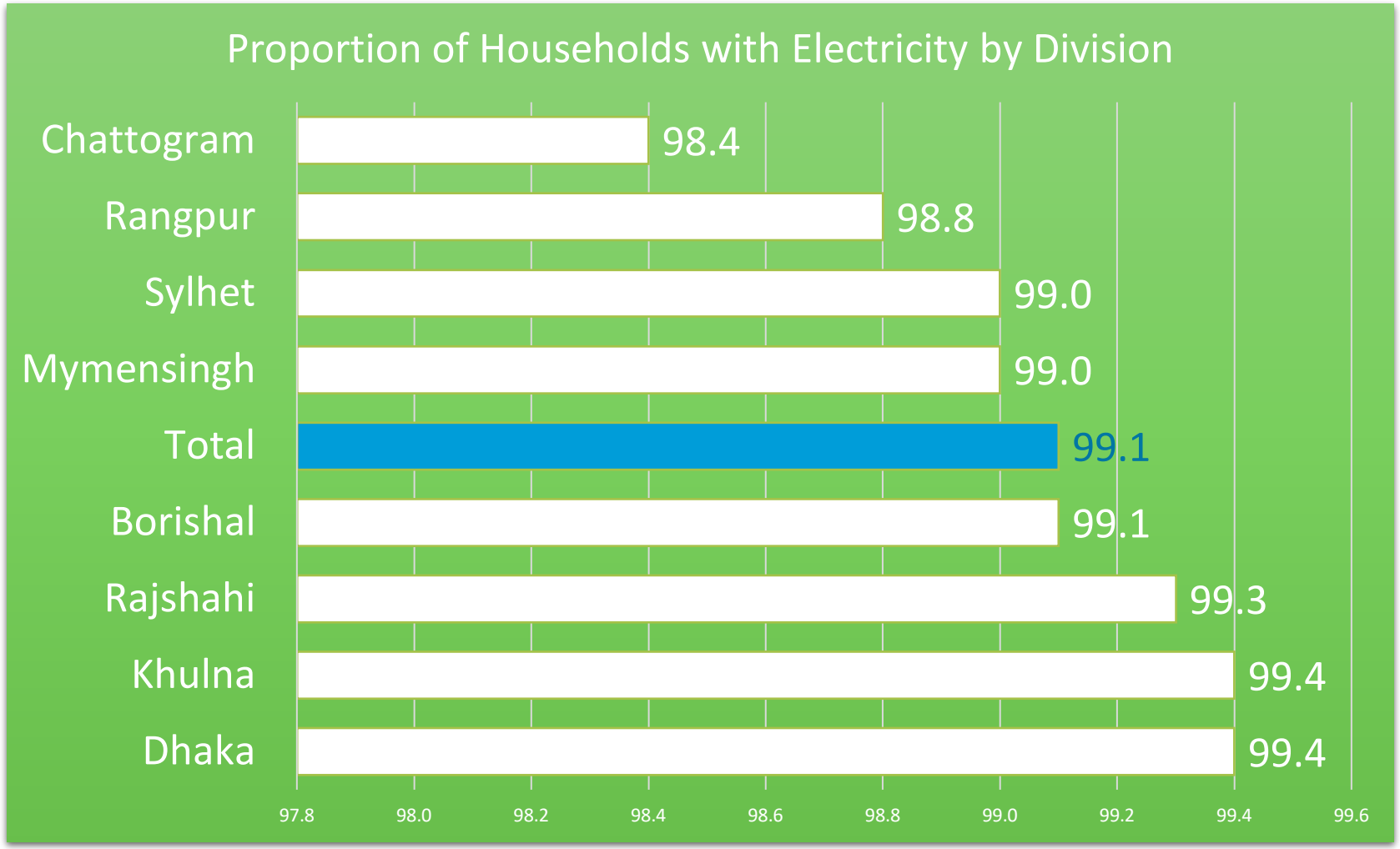


Barriers to Household Internet Access

(those household has no internet)



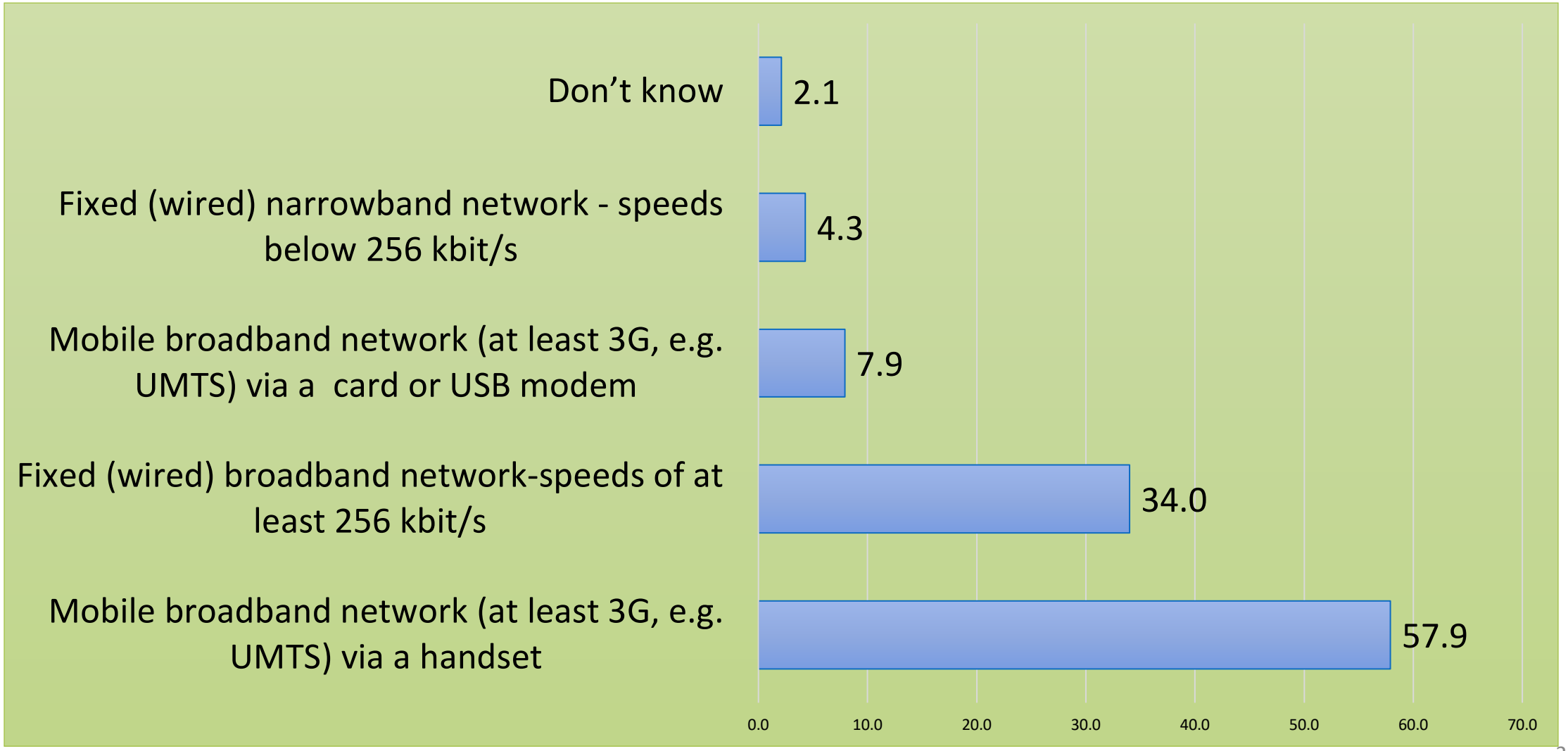
Proportion of Households with Electricity



Electricity

(99.1%)

Proportion of households with Internet, by type of service and locality



Proportion of Individuals on Use of ICT

Computer use

(7.9%)

Own Mobile phone

(63.8%)

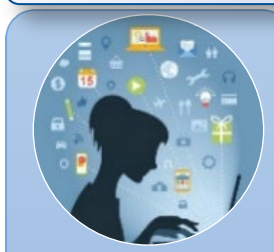
Mobile phone use

(90.5%)

Internet use

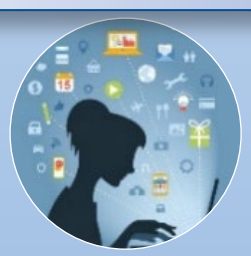
(44.5%)

Frequency of Internet Use



At least once a day

(71.7%)



At least once a week but not every day

(21.6%)

Less than once a week

(6.7%)

Proportion of Individuals on Use of ICT by Sex

Computer use

Male-8.8%

Female-7.1%

Own Mobile phone

Male-51.7%

Female-37.3%

Mobile phone use

Male-93.2%

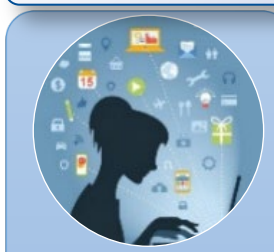
Female-87.8%

Internet use

Male-72.2%

Female-55.3%

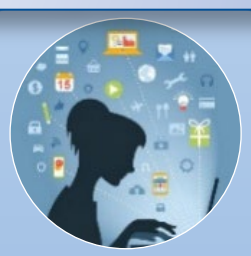
Frequency of Internet Use



At least once a day

Male-71.7%

Female-72.4%



At least once a week but not every day

Male-22.0%

Female-21.0%

Less than once a week

Male-6.8%

Female-6.7%

Proportion of Individuals on Use of ICT by Locality

Computer use

Rural-3.8%

Urban-20.4%

Own Mobile phone

Rural-60.9%

Urban-72.3%

Mobile phone use

Rural-89.8%

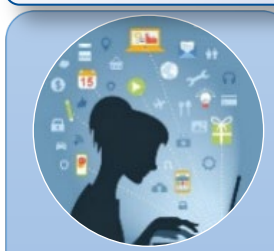
Urban-92.7%

Internet use

Rural-36.4%

Urban-68.6%

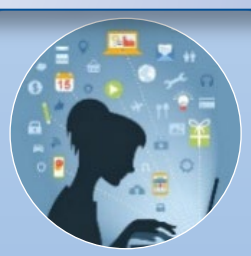
Frequency of Internet Use



At least once a day

Rural-66.6%

Urban-79.4%



At least once a week but not every day

Rural-26.1%

Urban-14.7%

Less than once a week

Rural-7.3%

Urban-5.9%

Proportion of Individuals on Use of ICT by Year

Computer use

2013-5.6%

2023-7.9%

Own Mobile phone

2013-%

2023-63.8%

Mobile phone use

2013-81.7%

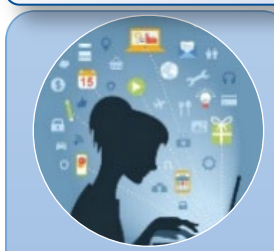
2023-90.5%

Internet use

2013-6.7%

2023-44.5%

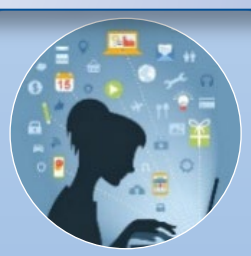
Frequency of Internet Use



At least once a day

2013-28.9%

2023-71.7%



At least once a week but not every day

2013-40.4%

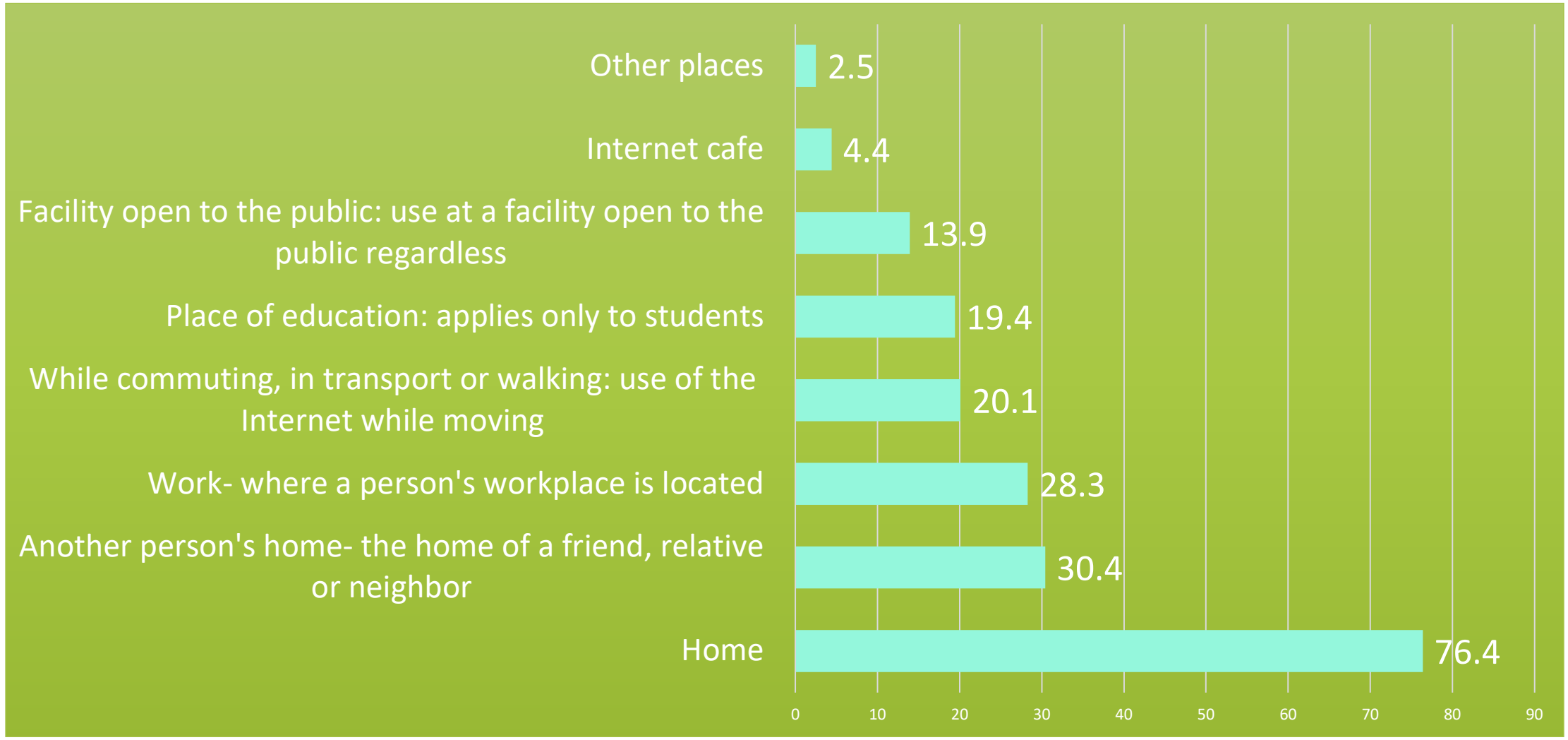
2023-21.6%

Less than once a week

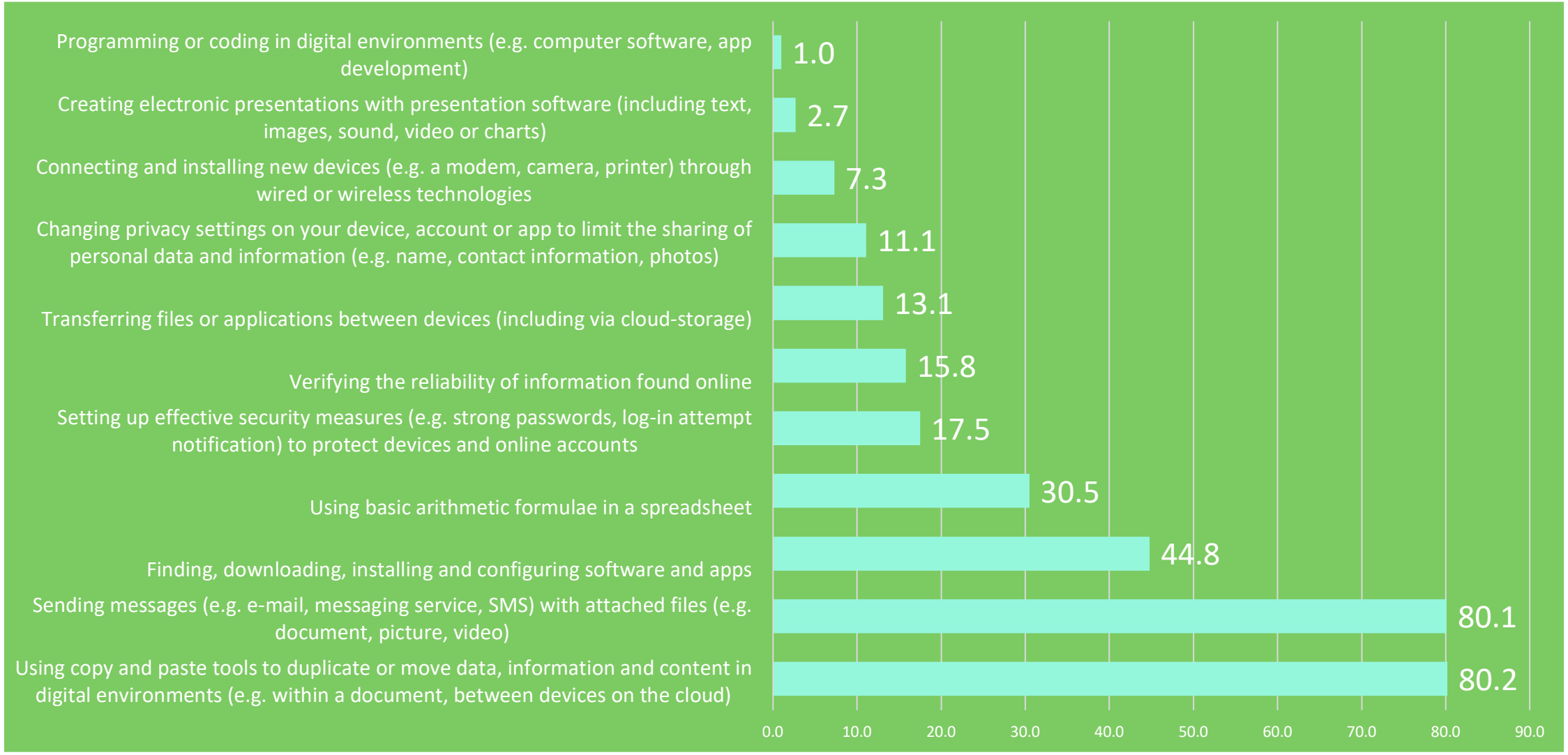
2013-30.7%

2023-6.7%

Location of using the Internet by the individuals



Individuals with ICT skills, by type of skills (SDG)



THANK YOU ALL