



LIBERIA INSTITUTE OF STATISTICS AND GEO-INFORMATION SERVICES (LISGIS)



Thematic Report on Agricultural Population and Characteristics 2022 Liberia Population and Housing Census





Disclaimer: Thematic Report: Agricultural Population and Characteristics - 2022 LPHC

Dear Reader,

I am pleased to present this document as a highlight summary of the upcoming Thematic Report on Agricultural Population and Characteristics from the 2022 Liberia Population and Housing Census (LPHC). This summary offers a snapshot of the key findings and insights that will be detailed in the final report.

Please note that the full report is currently undergoing finalization, which includes comprehensive editing, formatting, graphic designing, and proofreading. The finalized version will replace this document once it is completed.

We appreciate your patience and look forward to sharing the complete report with you soon.

Best regards,

Johnson Q. Kei

Deputy Director General for Information and Coordination

Liberia Institute of Statistics and Geo-Information Services (LISGIS)



Outline

- ⇒ Background and Context
- ⇒ Objectives
- ⇒ Methodology
- ⇒ Limitations
- ⇒ Agriculture Households Characteristics
- ⇒ Arable Crops Production
- ⇒ Tree Crops Production
- ⇒ Livestock and Aquaculture Production
- ⇒ Agriculture Households Ownership, Amenities and Types of Dwelling Structure
- ⇒ Policy Recommendations



Background and Context

- ❑ The PHC provides data to support national development agenda and information for evidence-based decision making.
- ❑ The ARREST agenda prioritizes the agriculture sector as sector to boost the economy and facilitate the attainment of SDG 2-zero hunger
- ❑ Like some arable crops, rice and cassava production households experienced reduction compared to 2008 PHC.
- ❑ Even though there was an increase in the percent of educated agricultural household heads compared to 2008 PHC, the literacy rate is still low, especially in the rural areas.
- ❑ This report focuses on agricultural households involved in the production of different types of crops, animal husbandry practiced at the household level and the poverty levels of the agricultural households.
- ❑ Agriculture plays a critical role in food security and serves as the main driver of economic growth and development. It has the potential to address demographic pressure (demand in food supply), economic growth (increase in employment), poverty, and serves as the main source of foreign exchange.
- ❑ Data analyzed, presents the current demographic characteristics, and economic status of agricultural households in Liberia.
- ❑ SDG 2 calls for zero hunger by 2030. Liberia is unlikely to attain this goal (2.2.1 & 2.2.2) with 30% of children under-5 Stunted and 7.8% malnourished
- ❑ Liberia occupies 9.8 million hectares of land space
- ❑ 41% of the land space is available for agriculture



Objectives

- ❑ To provide agricultural statistics for policymakers and planners.
- ❑ To analyze the background characteristics of the agricultural household.
- ❑ To examine the data on arable and tree crop farming in the country.
- ❑ To investigate livestock farming and aquaculture in Liberia.
- ❑ To analyze the poverty levels in agricultural households.
- ❑ To suggest policy recommendations for the agricultural sector.



- ❑ The main source of data is the 2022 LPHC
- ❑ Descriptive analysis was used to analyze the data
- ❑ Agriculture statistics were presented by tables, graphs and charts
- ❑ Comparisons were made between 2008 NPHC and 2022 LPHC



Limitations

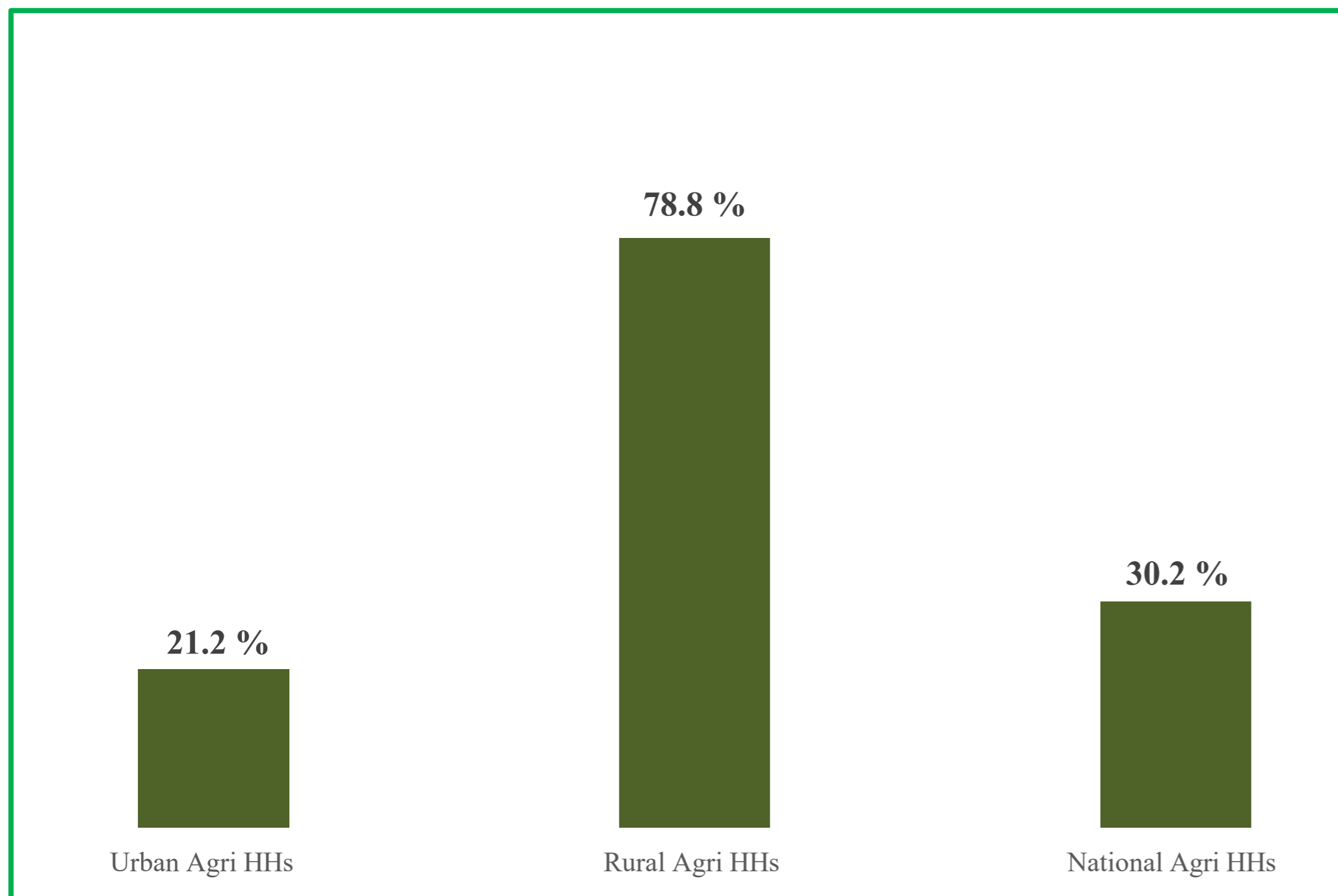
- The total agricultural population was not identified.
- The questionnaire did not identify members of the households involved in agriculture (2008 census as well).
- The questionnaire did not ask about the type of tools or equipment used by agricultural households for agricultural activities.
- Questions were not ask about post-harvest technology (harvesting method, storage facility, transport, etc)
- In spite of these limitations, the information in this report is substantial and reliable for policies, planning and other uses.

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Agriculture Households Characteristics

Agricultural Households by Sex and by Residence



69.6% of agricultural Households heads are male



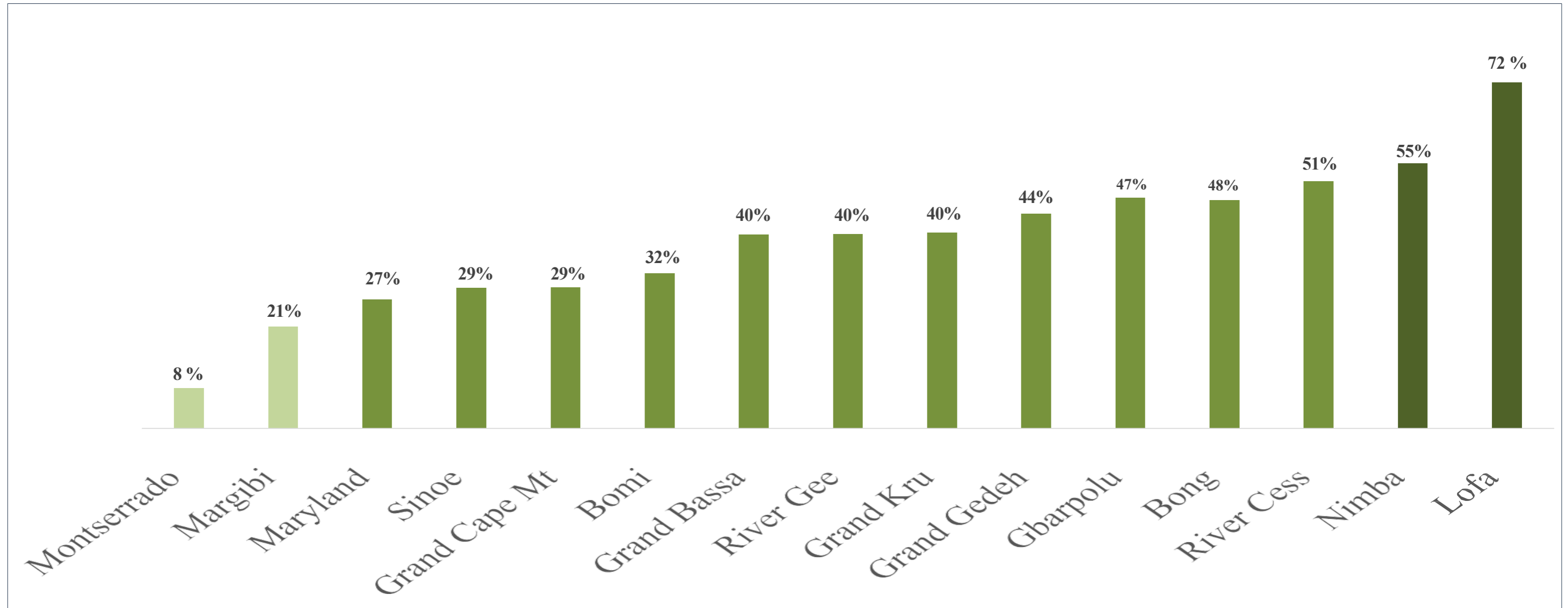
30.4 % of agricultural Households heads are female

- 21.2% of agri HHs are found in urban areas
- 78.8% of agri HHs are found in rural areas



Agriculture Households Characteristics *cont...*

Agricultural Households by County

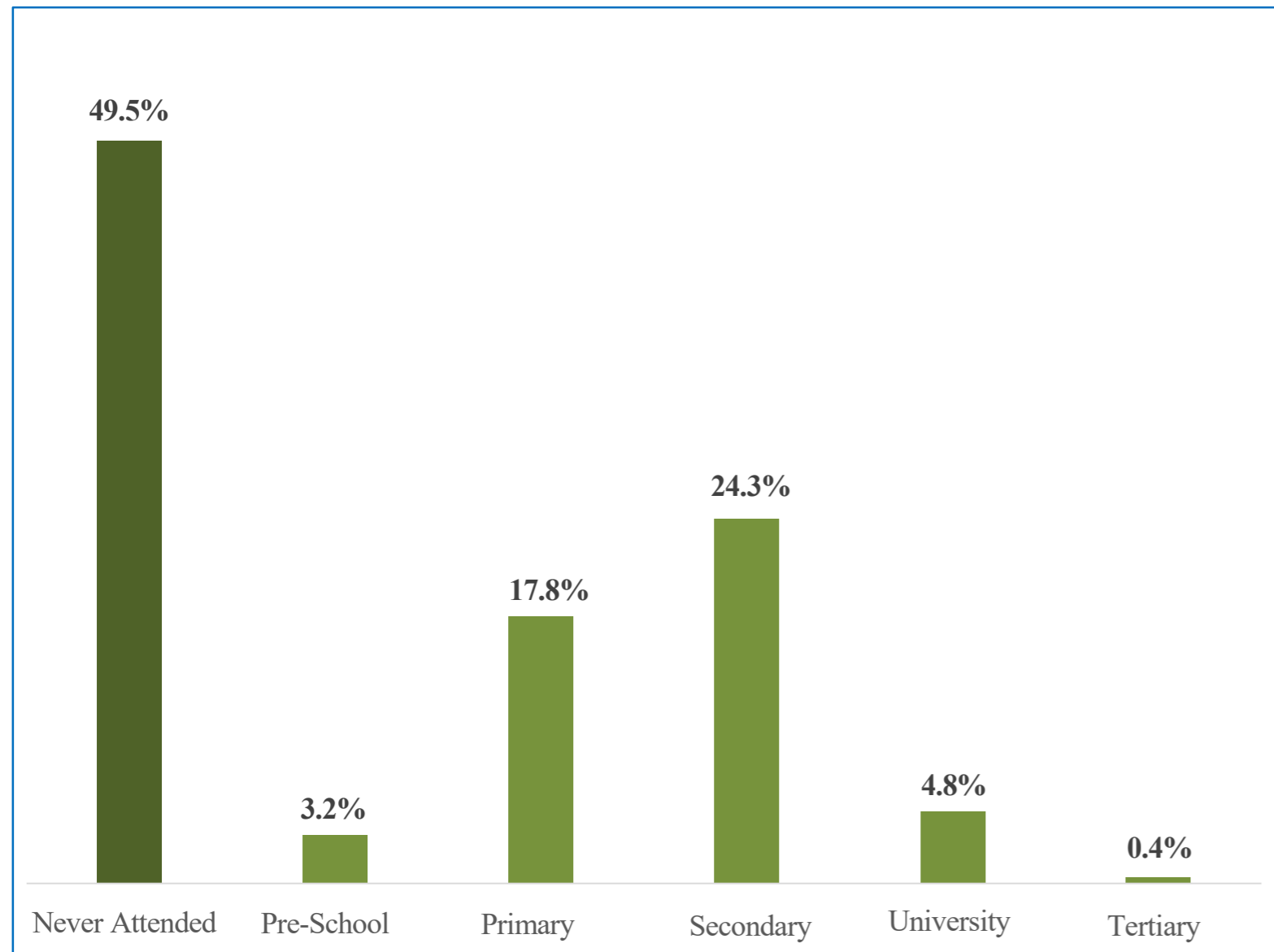


- **Lofa County** has the highest percent of agriculture Households (**72%**), followed by **Nimba (55%)**.
- **Montserrado County** has the lowest percent (**8%**) of agriculture Households, followed by **Margibi County (21%)**



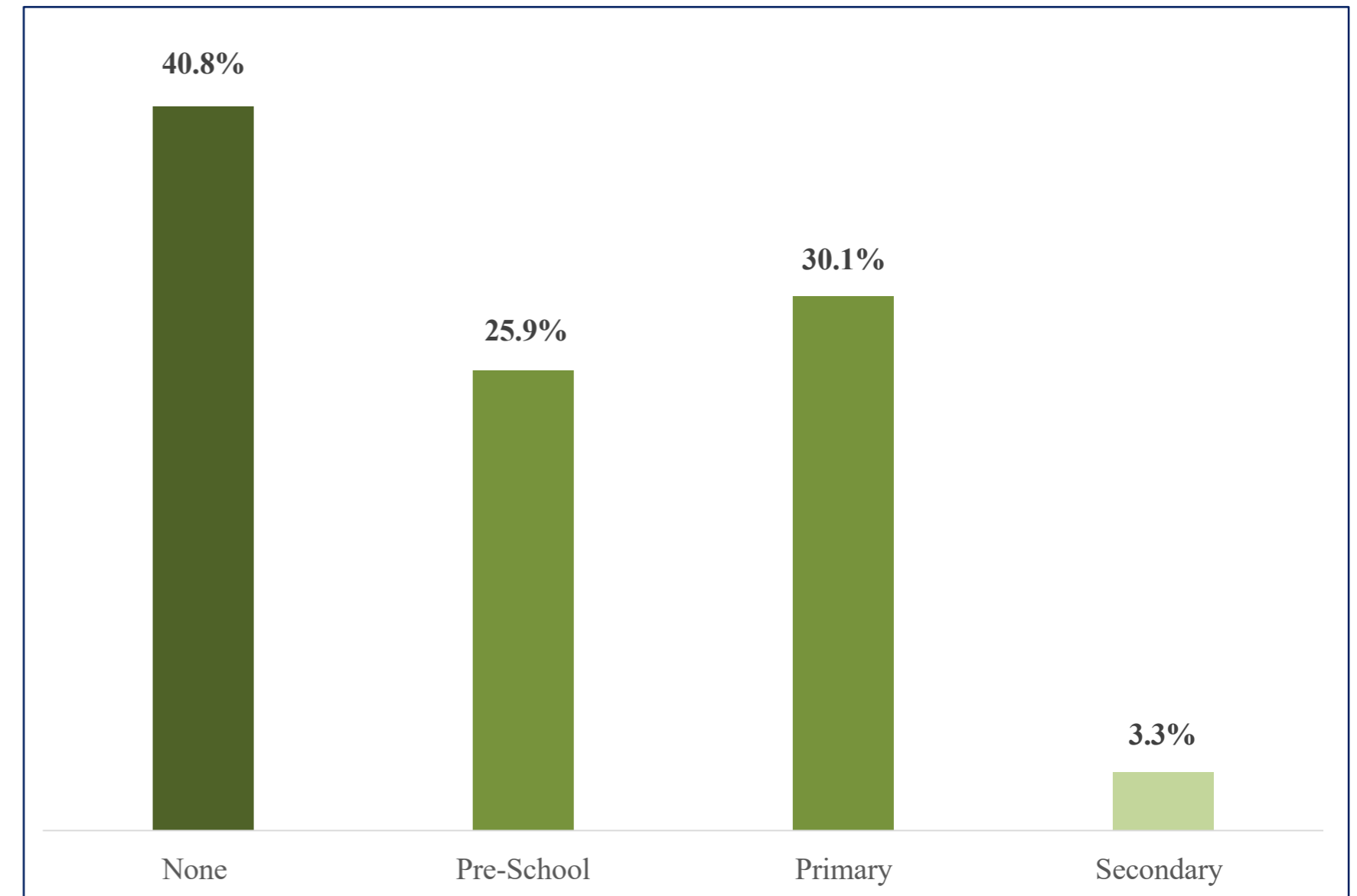
Agriculture Households Characteristics *cont...*

Agricultural Households Heads by Education Levels



Almost half of the agricultural Households heads did not attend school

Educational Levels of Children 1-17yrs in Agricultural Households

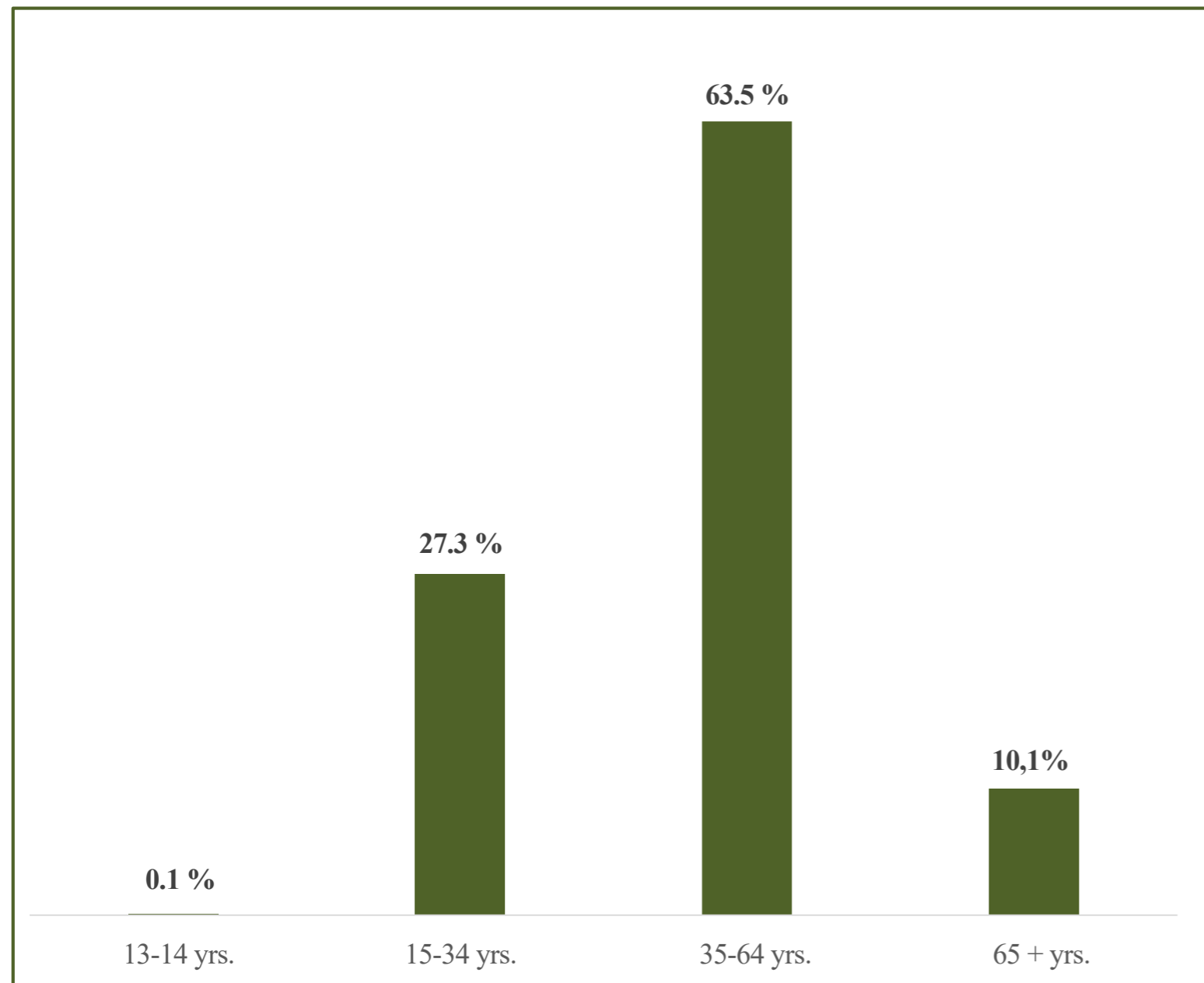


40.8% of children (1- 7yrs) in the agricultural HHs did not attend school.

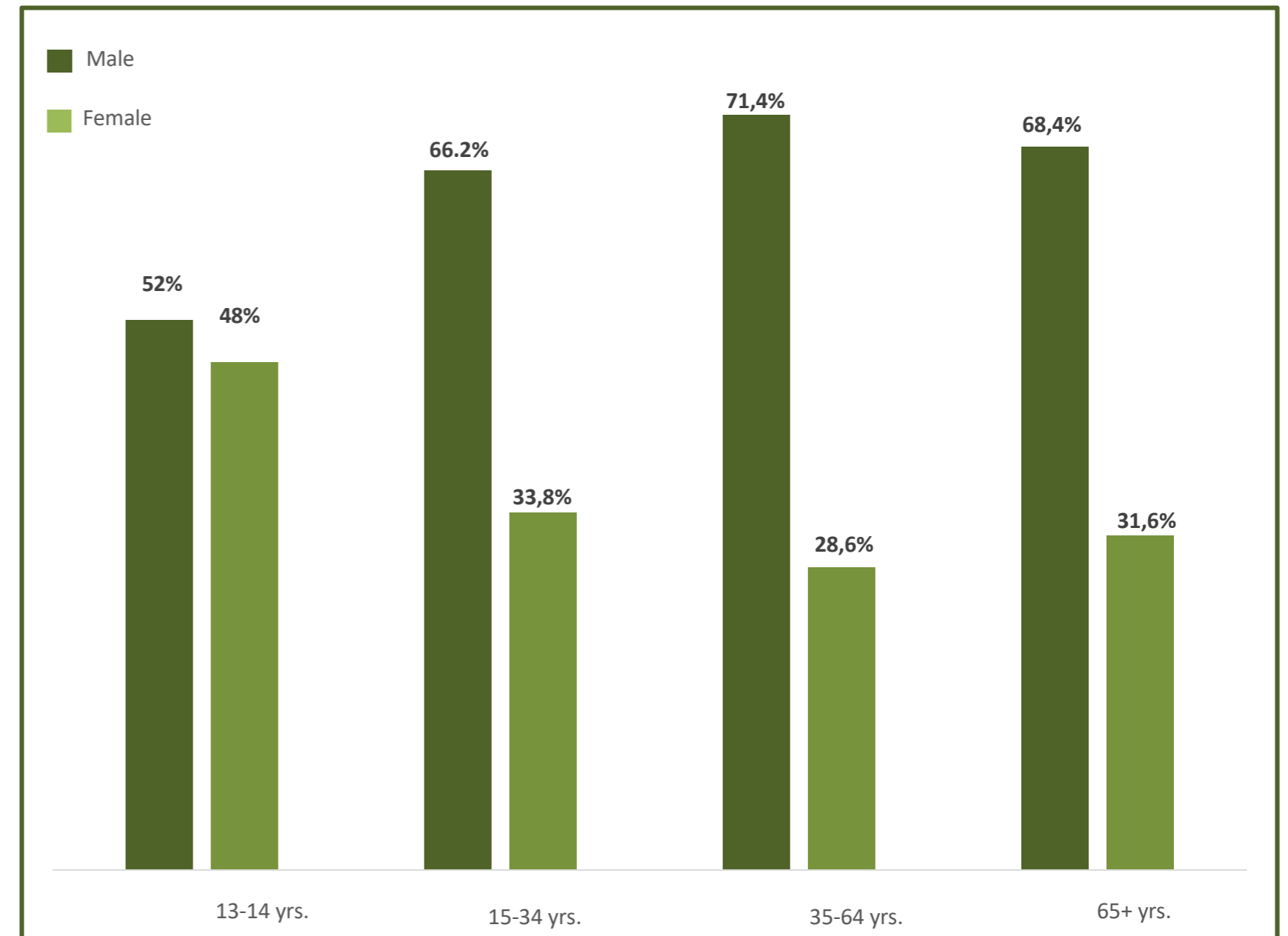


Agriculture Households Characteristics *cont...*

Agricultural Households heads by Age



Agricultural Households heads by Age and sex

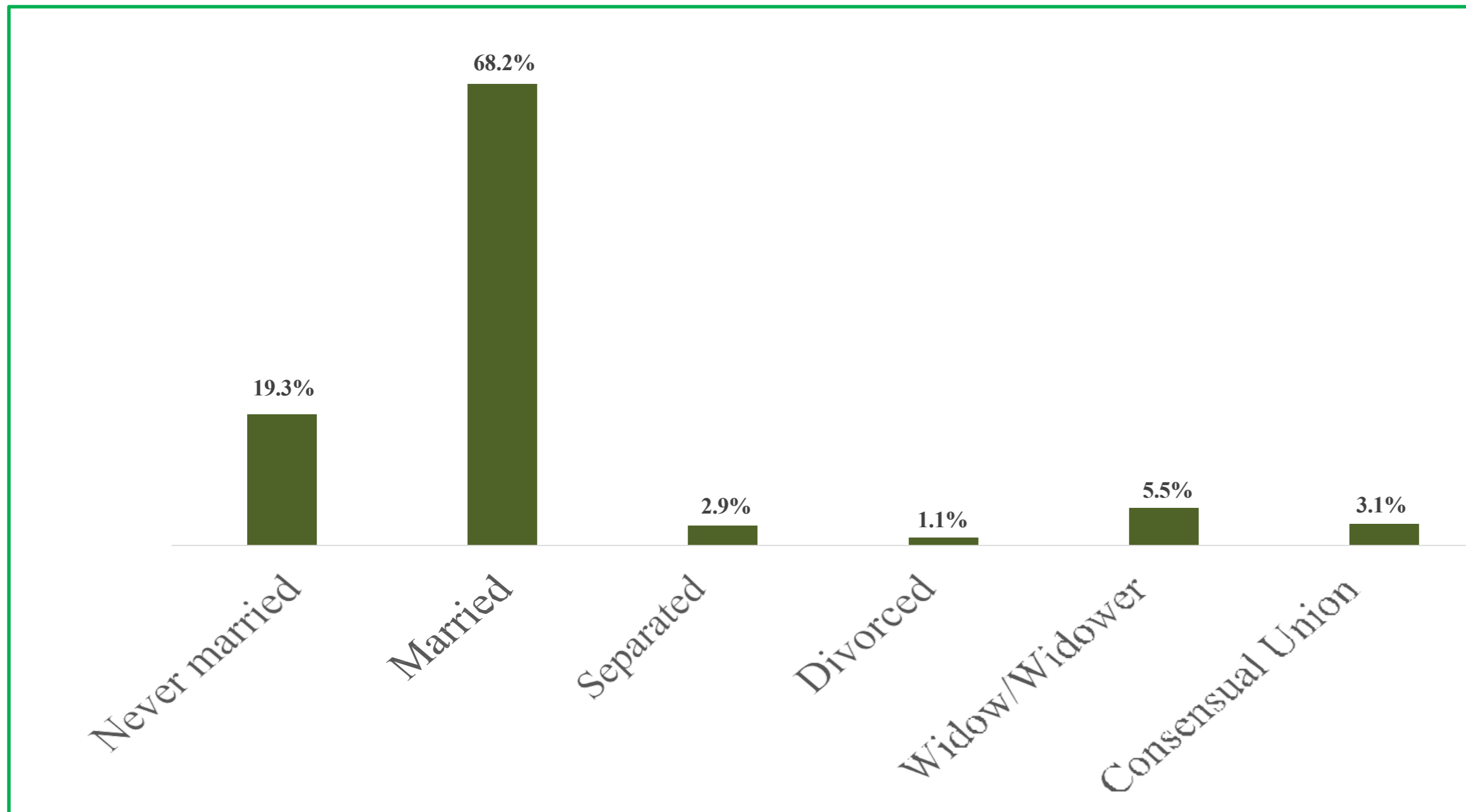


62.5% of Agri HHs heads are aged 35-64yrs and majority of the agri HHs heads are males across all age.



Agriculture Households Characteristics *cont...*

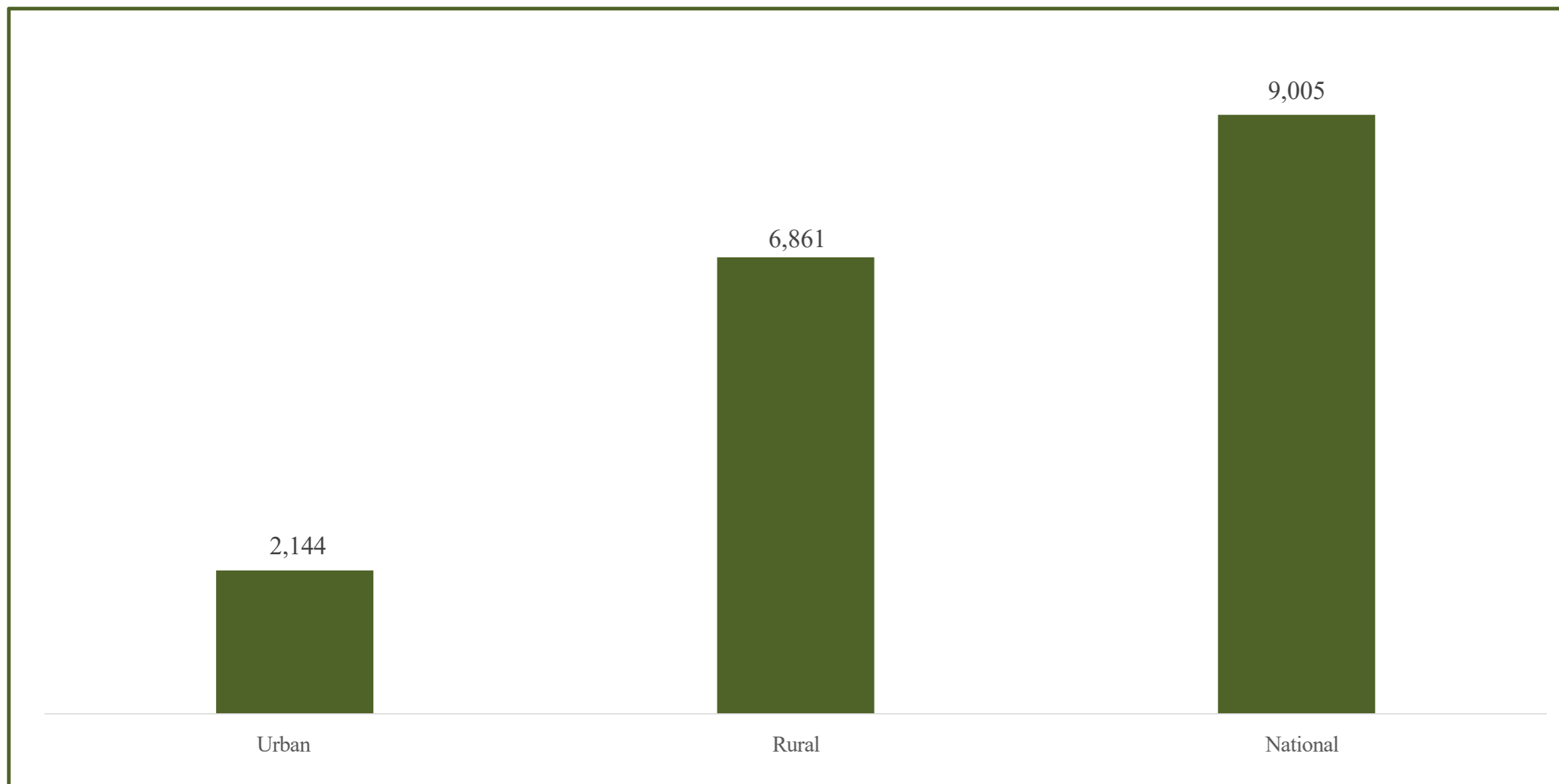
Marital Status of Agricultural Household Heads



68.2% of agricultural Households heads are married.¹¹



Agricultural Households with PWDs by Sex & by Residence



61.8% of agri HHs with PWDs are male

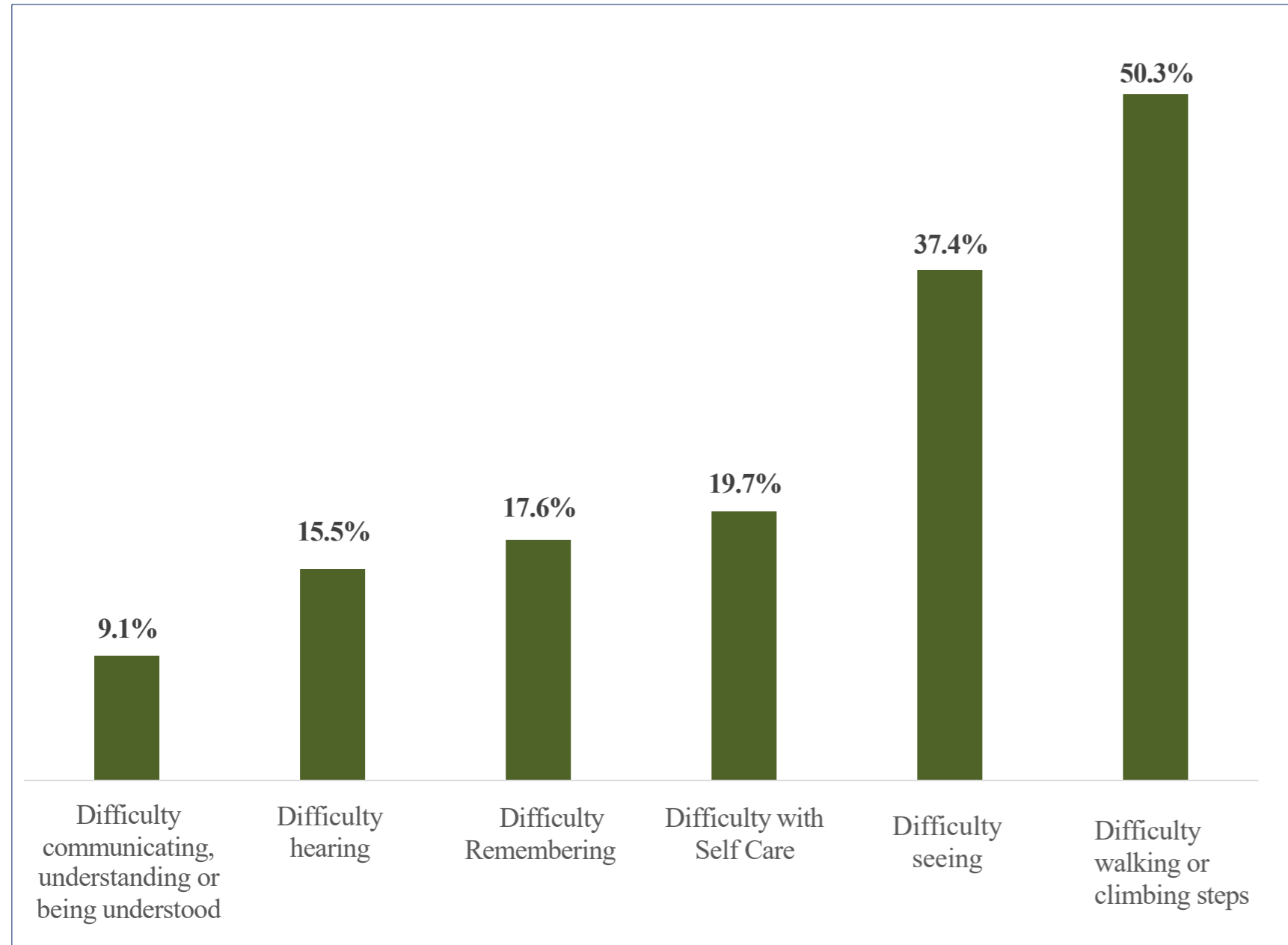


38.2% of agri HHs with PWDs are female



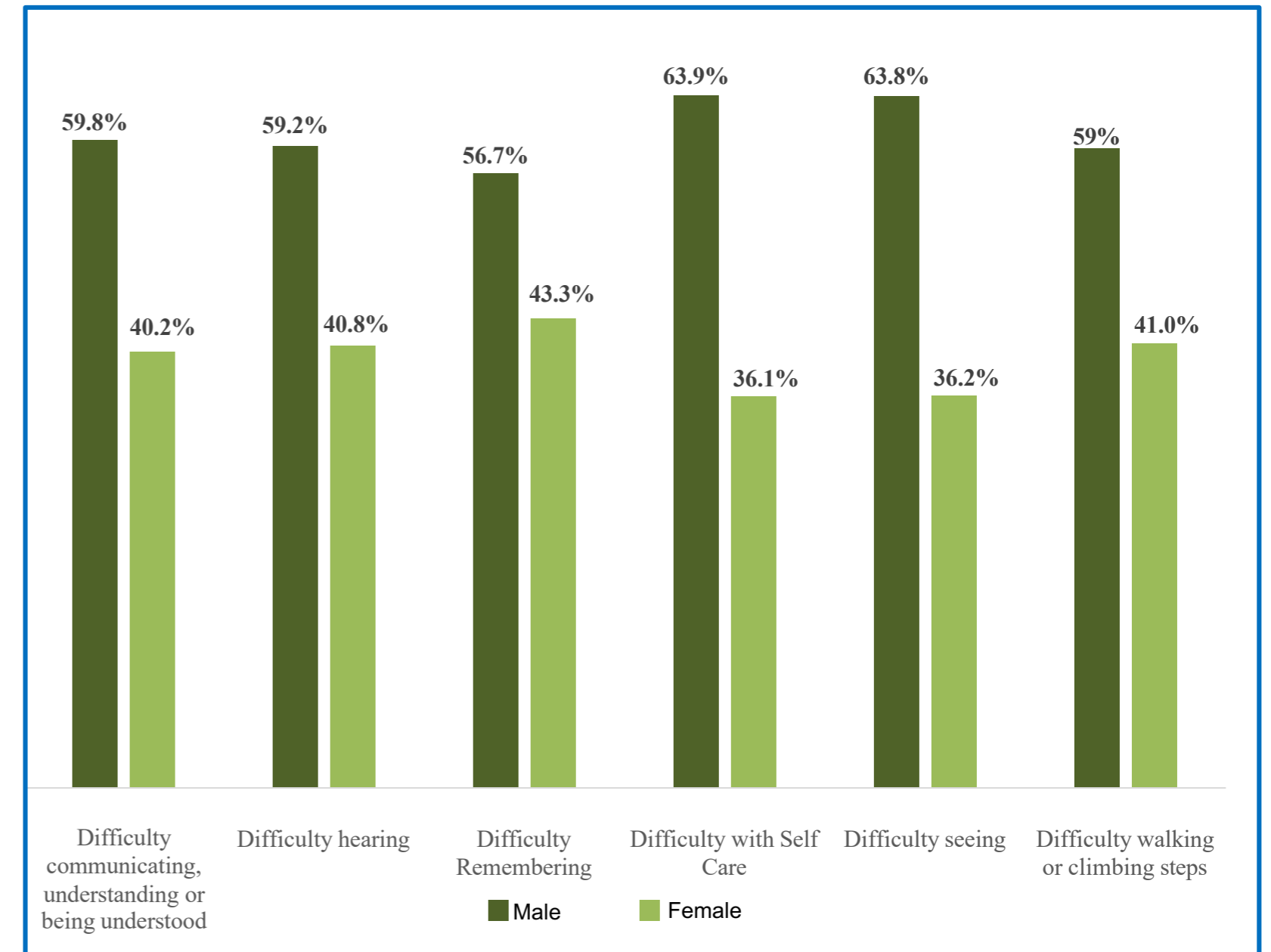
Agriculture Households Characteristics *cont...*

Percentage of PWDs in Agricultural Households Heads by Type of Disability



Walking and climbing steps difficulty (**50.3%**) is the most common form of disability among agriculture Households heads

Percentage of PWDs in Agricultural households by Type of Disability and by Sex



Disability is prevalent among male headed agri HHs than female



Arable Crops Production

* Rice

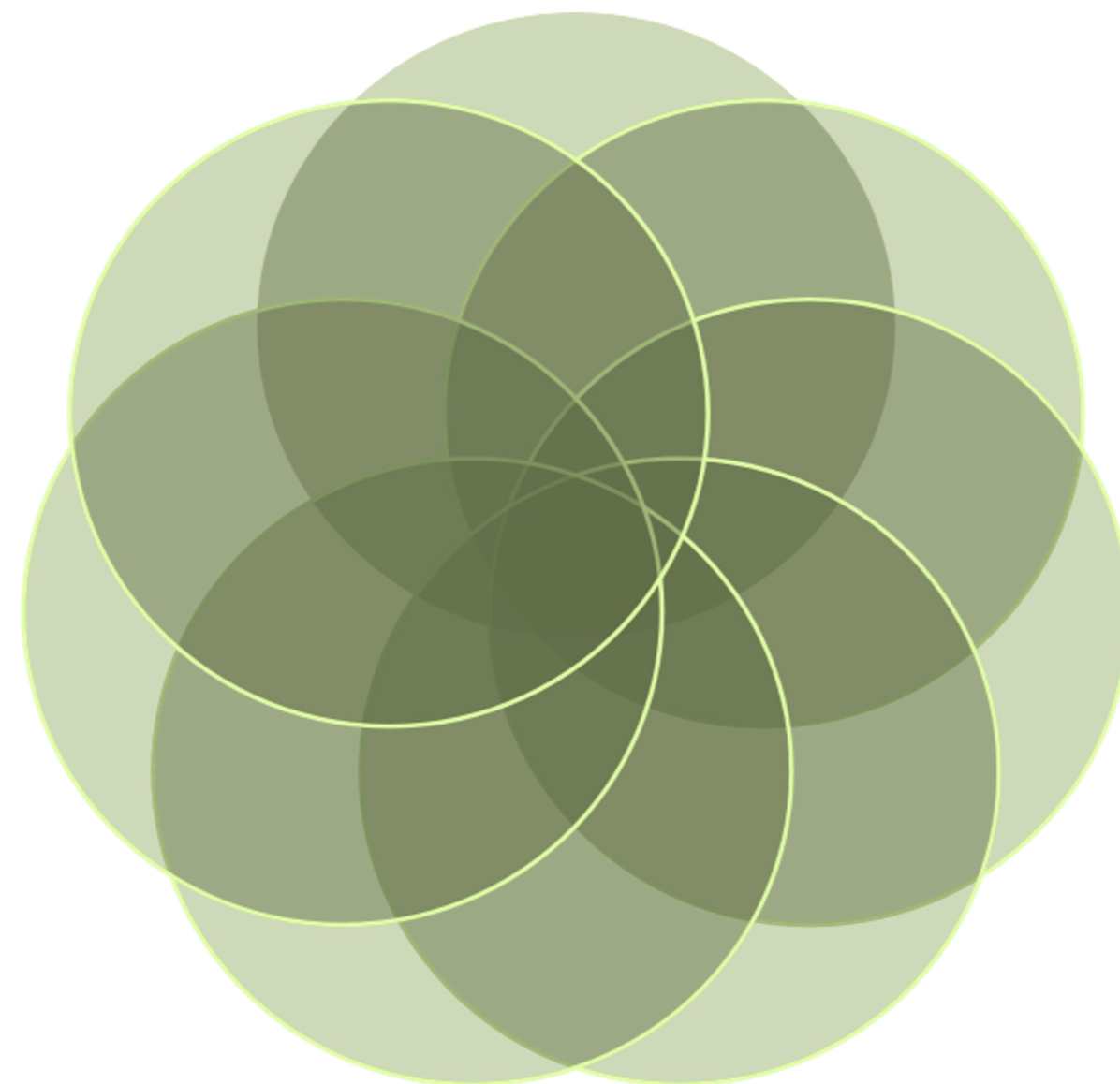
* Sugar Cane

* Cassava

* Vegetable

* Peanut

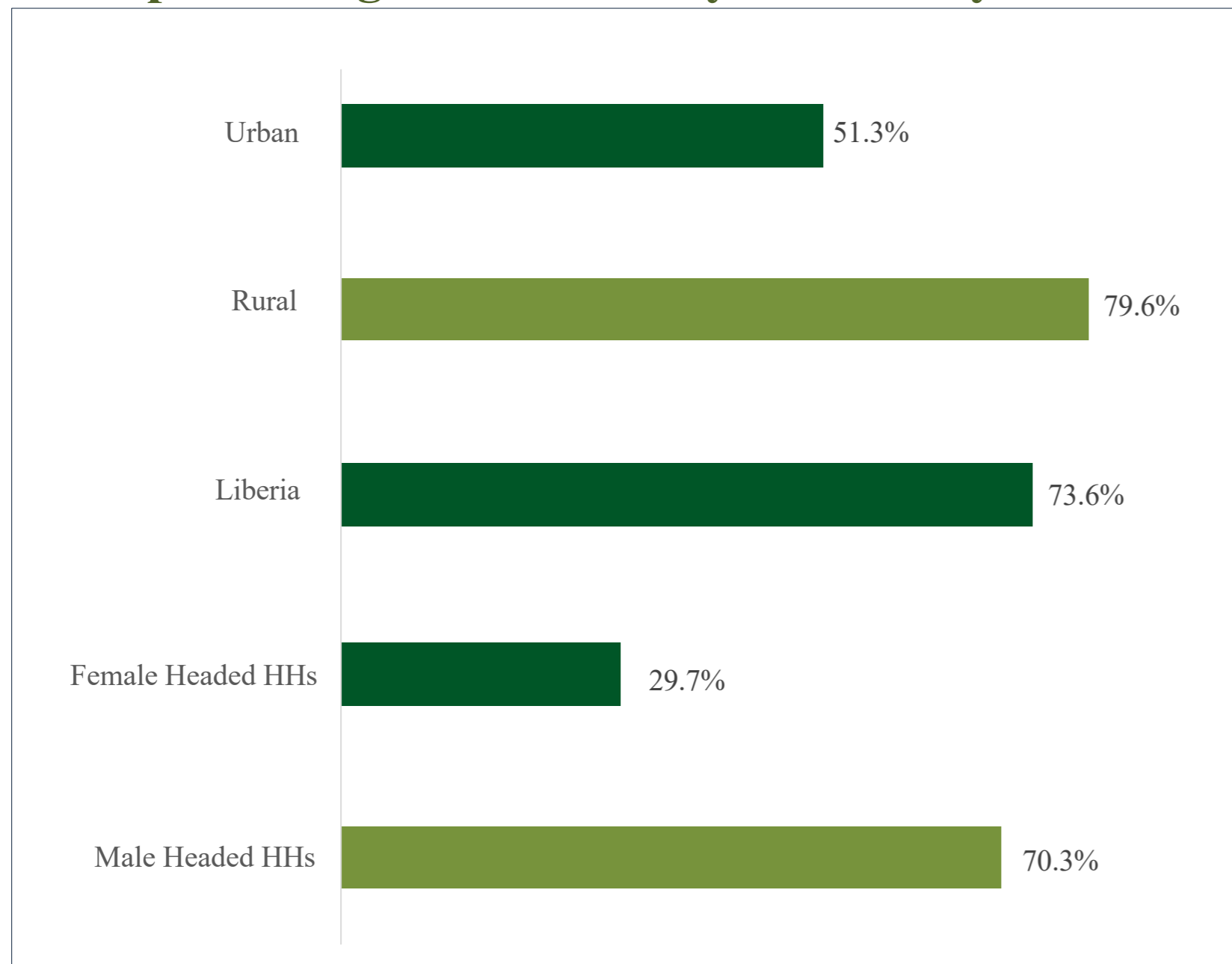
* Back Yard Garden





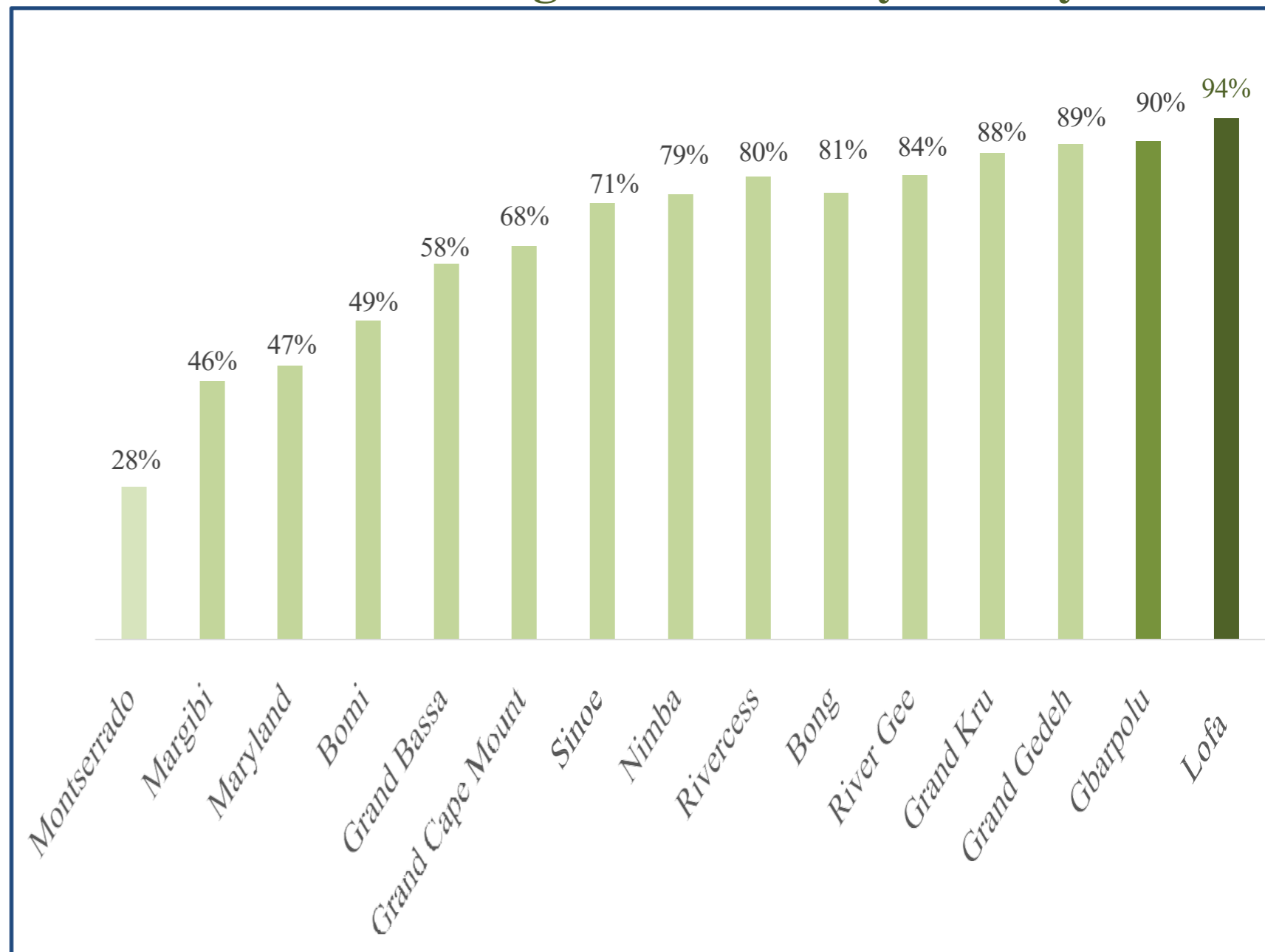
Arable Crops Production: Rice Producing HHs

Rice producing Households by Sex and by Residence



- **73.6%** of agricultural Households are Rice producers.
- **79.5%** of agricultural Households are Rice producers
- **70.9%** agricultural Households producing Rice are headed by male

Rice Producing Households by County

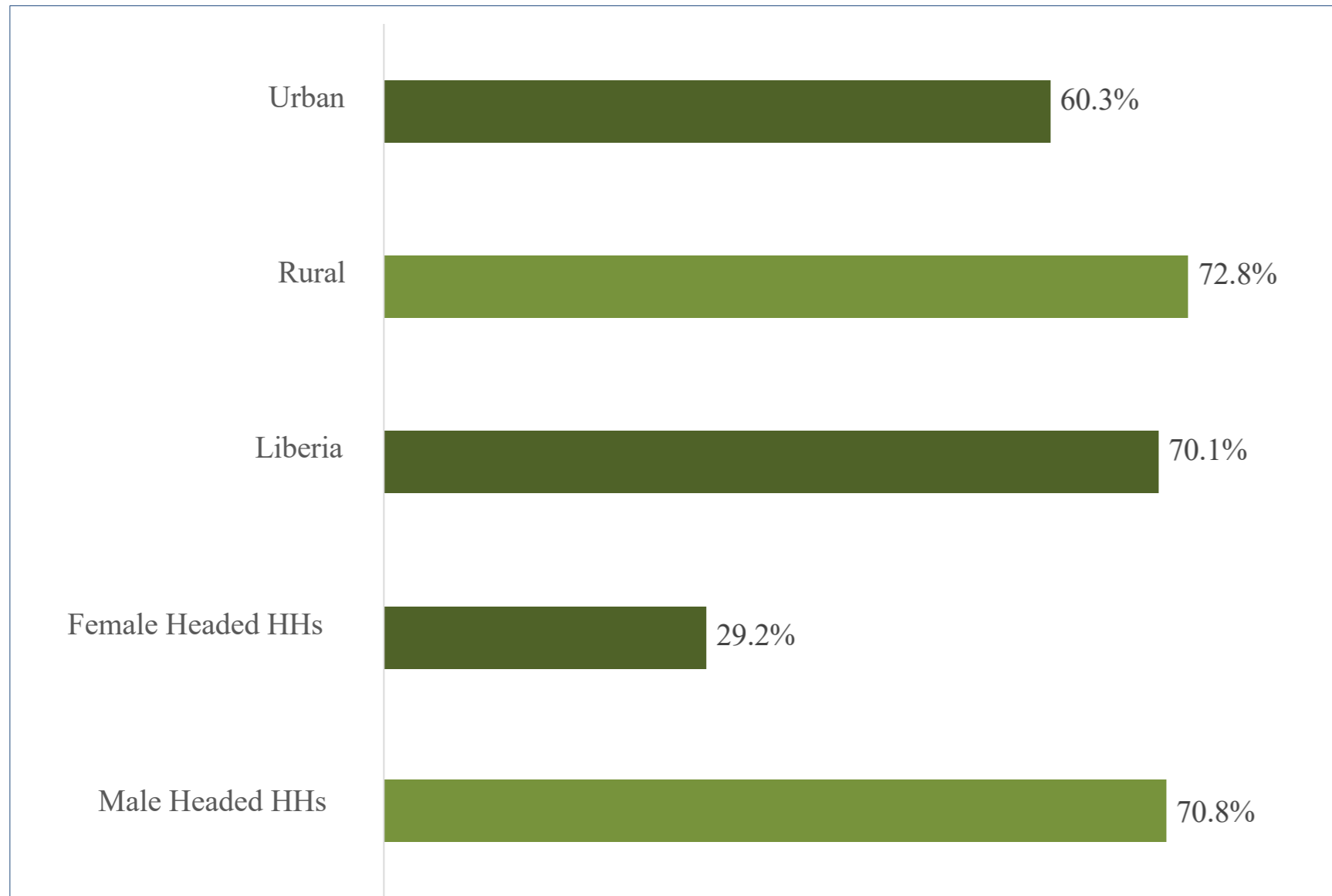


Lofa County has the highest (94%) Rice producing agricultural Households followed by Gbarpolu County (90%)



Arable Crops Production: **Cassava Producing HHs**

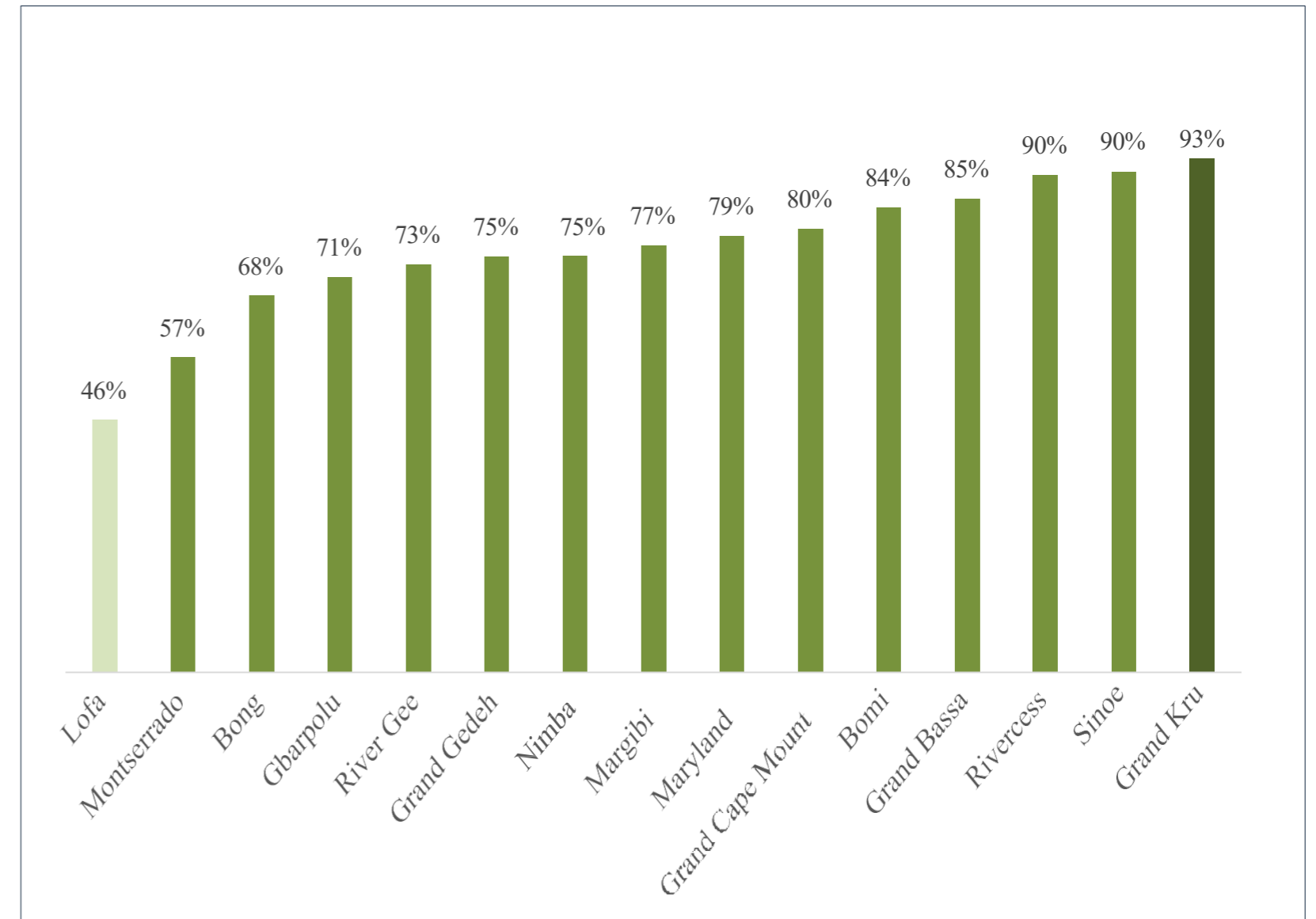
Cassava Producing Households by Sex and by Residence



70% of agri HHs are producing Cassava.

70.8% of Cassava producing HHs are headed by male

Cassava Producing Households by County

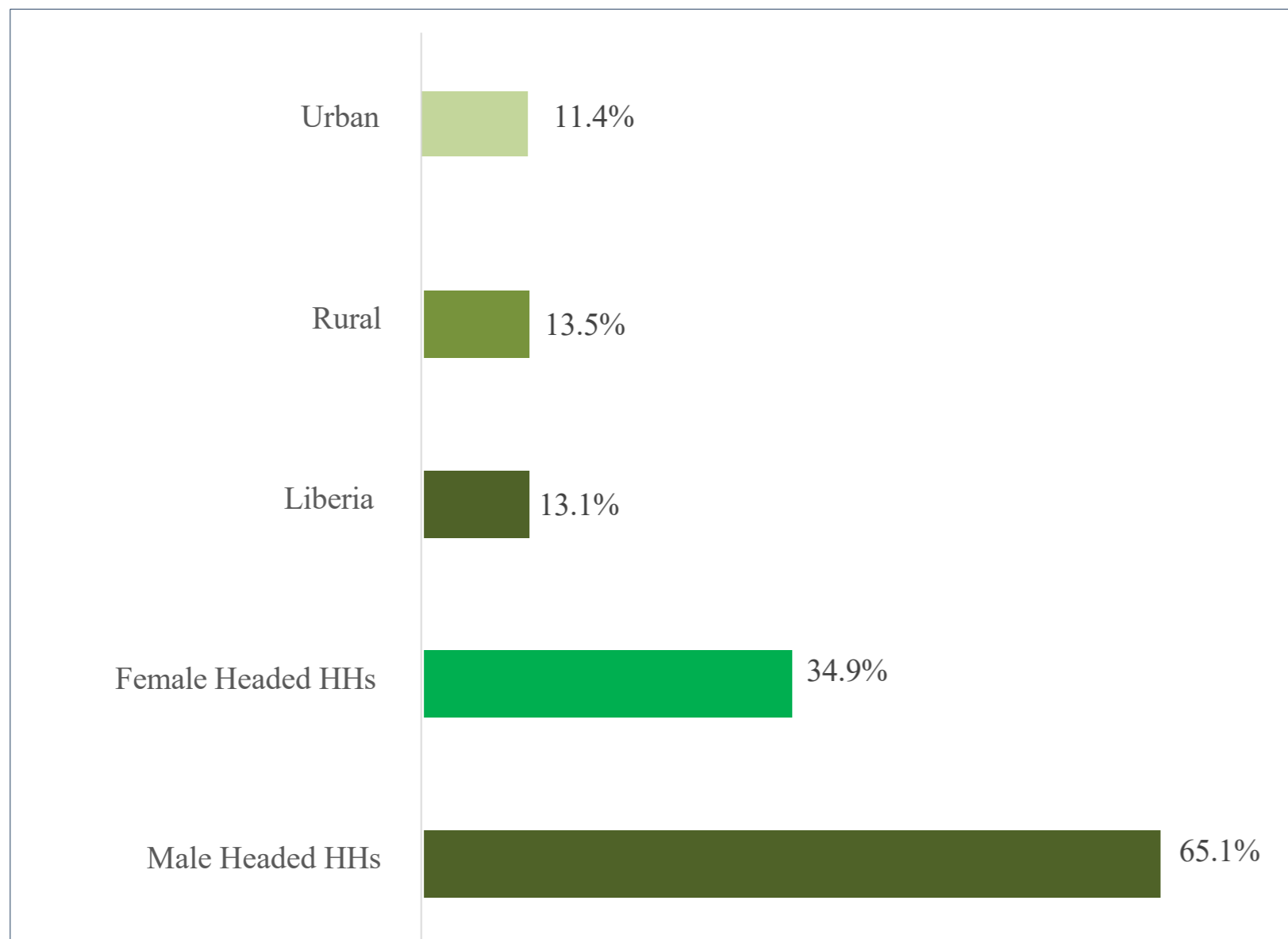


Grand Kru County has the highest (**93%**) Cassava producing agri HHs followed by Sinoe County (**90%**) and Rivercess County(**90%**)



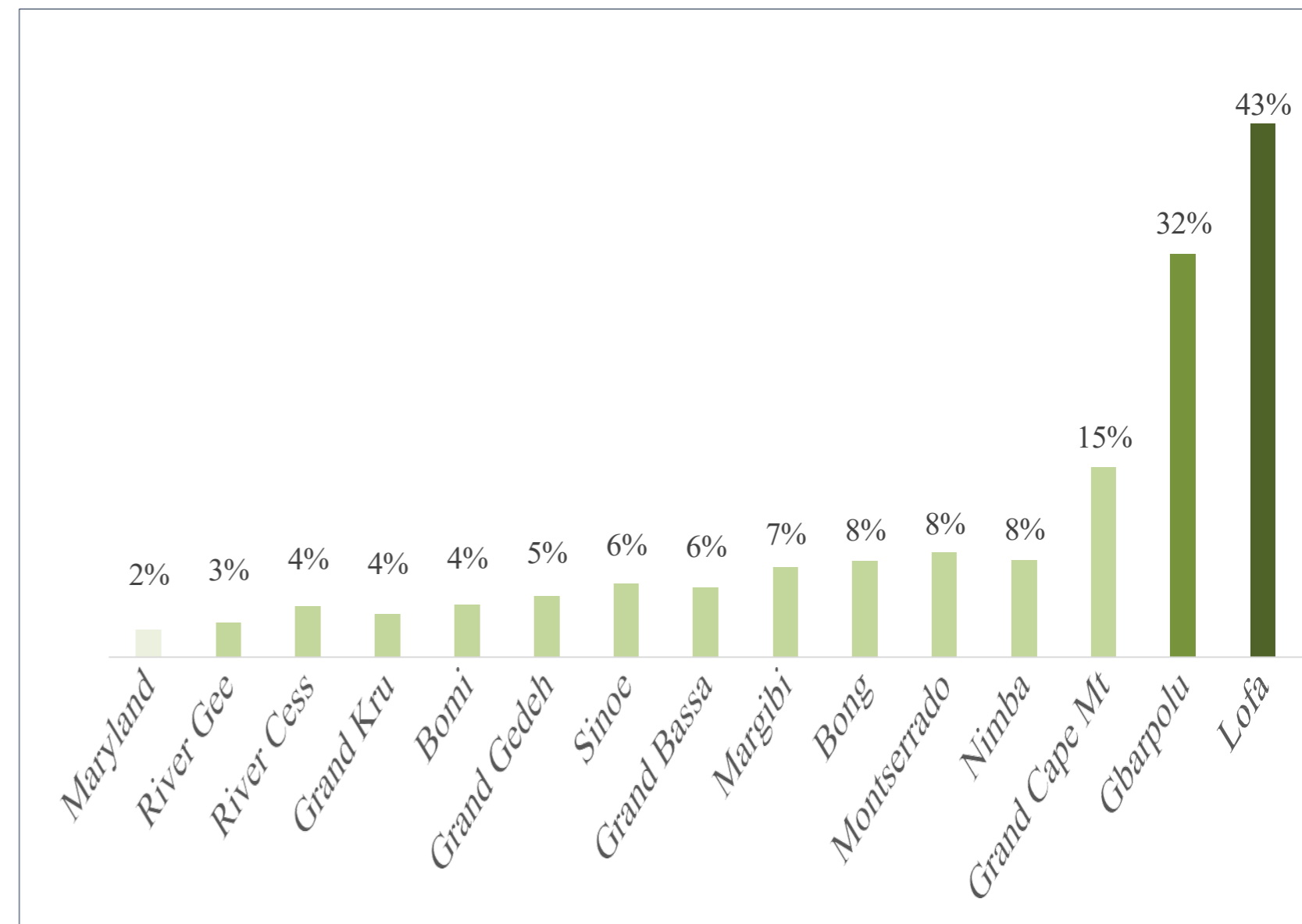
Arable Crops Production: **Peanuts Producing HHs**

Peanuts Producing Households by Sex and Residence



- **13.1%** of agri HHs are producing Peanuts
- **65.1%** of Peanuts producing HHs are headed by male

Peanuts Producing Households by County

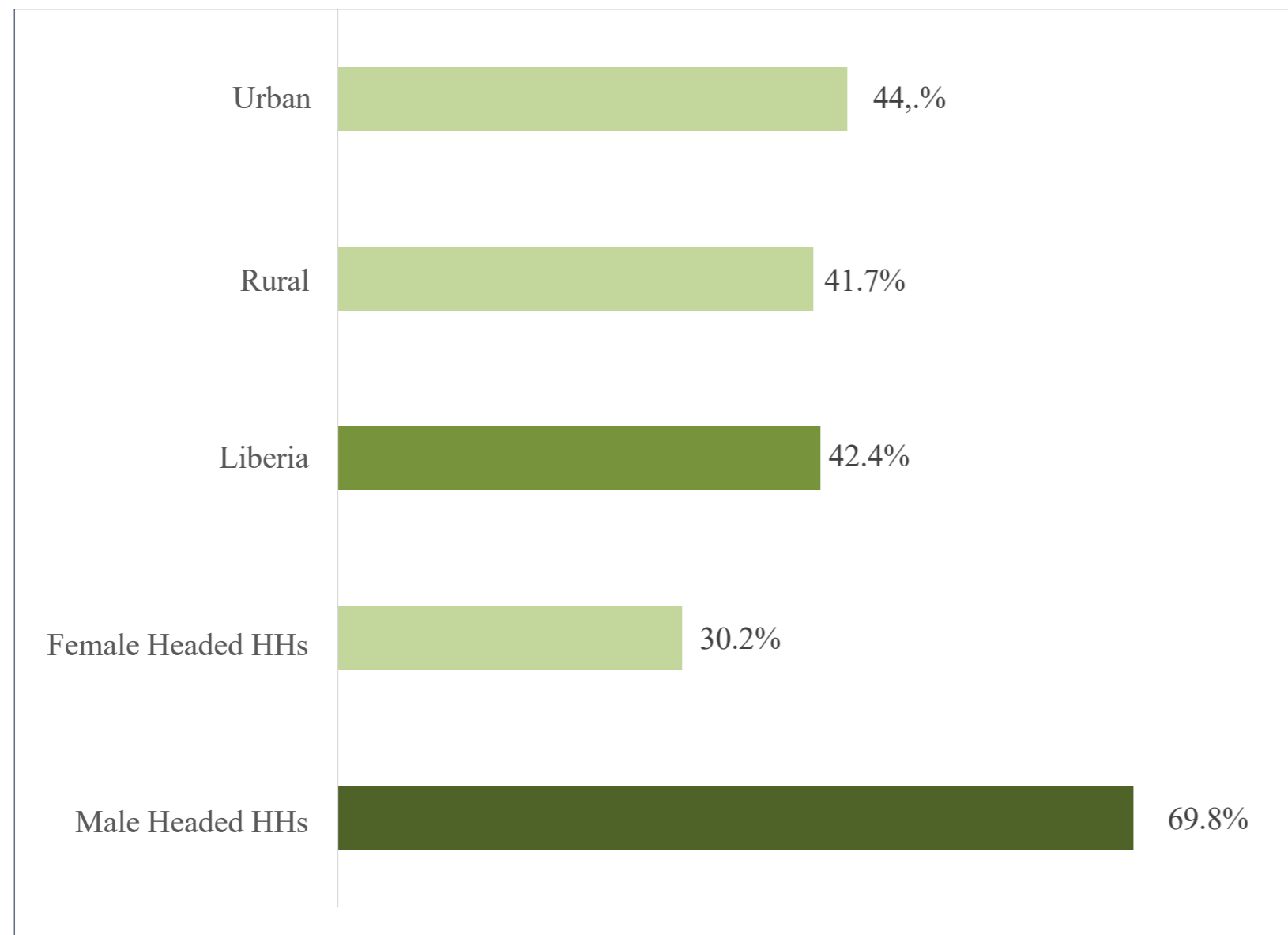


Lofa County has the highest (43%) Peanuts producing agricultural Households followed by Gbarpolu County (32%).



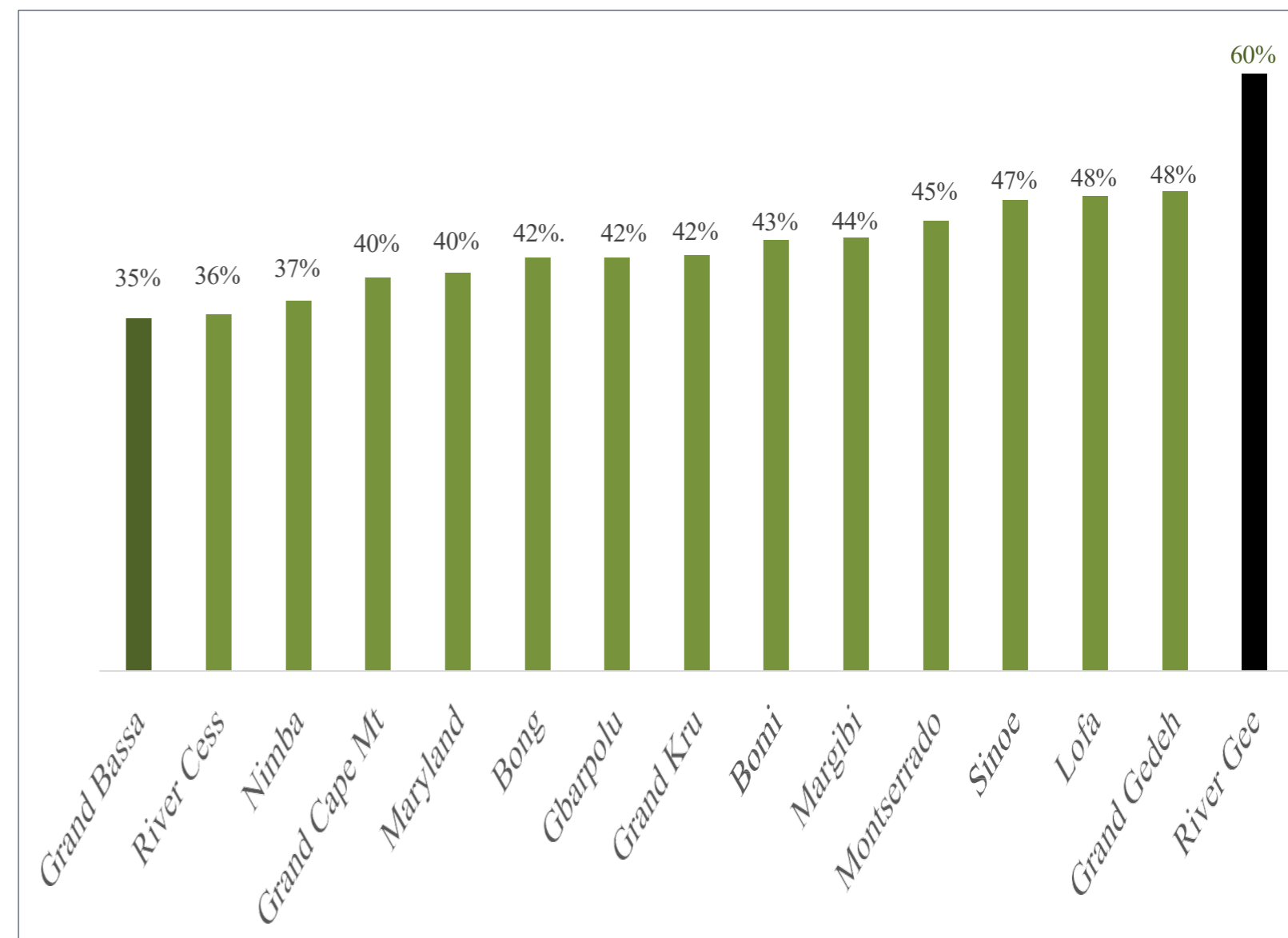
Arable Crops Production: **Vegetables Producing HHs**

Vegetables Producing Households by Sex and by Residence



- **42.4%** of agricultural Households are producing Vegetables.
- **69.8%** of Vegetables producing HHs are headed by male

Vegetables Producing Households by County

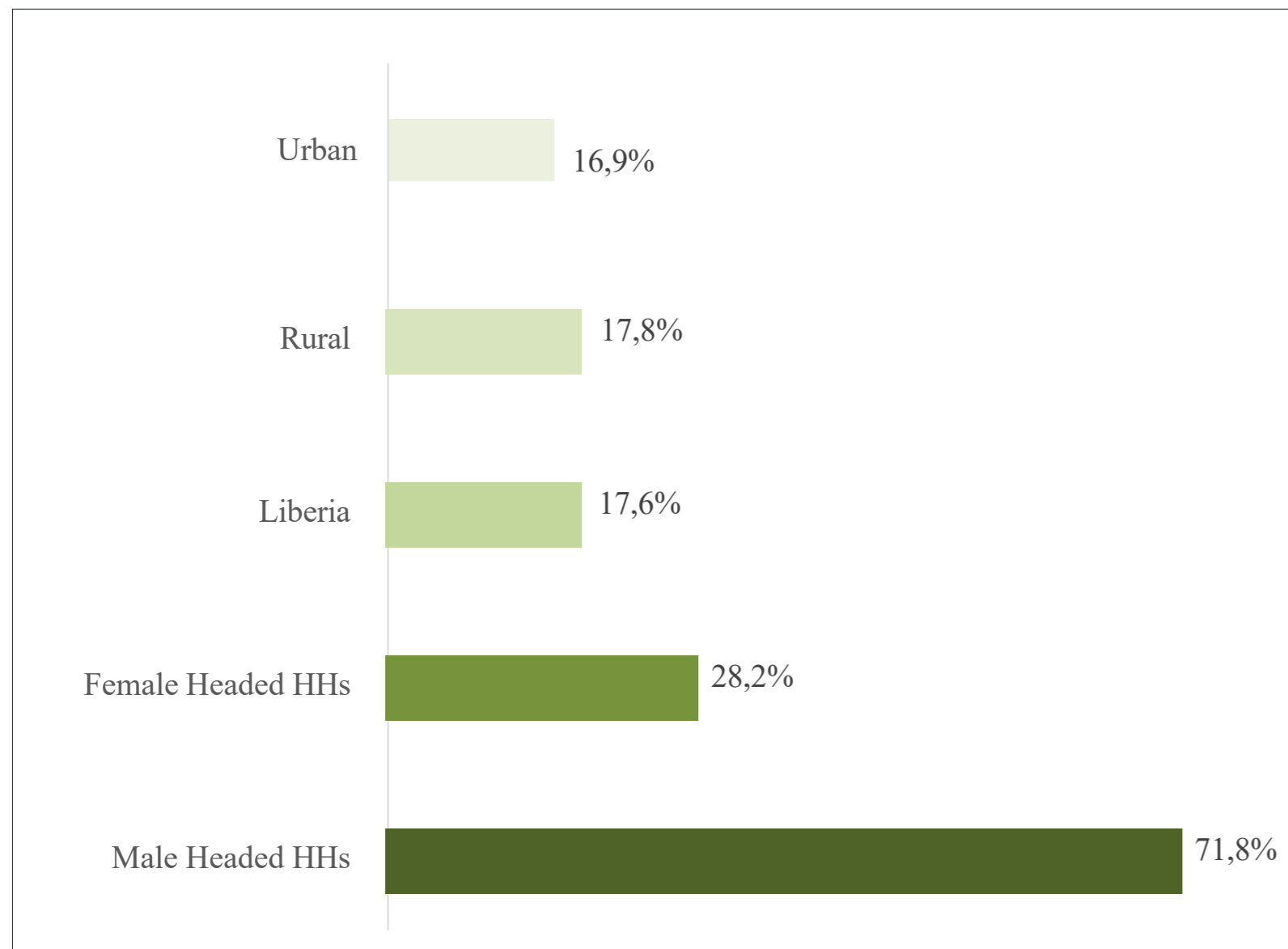


River Gee County has the highest (**60%**) Vegetables producing agricultural Households followed by Grand Gedeh County (**48%**).



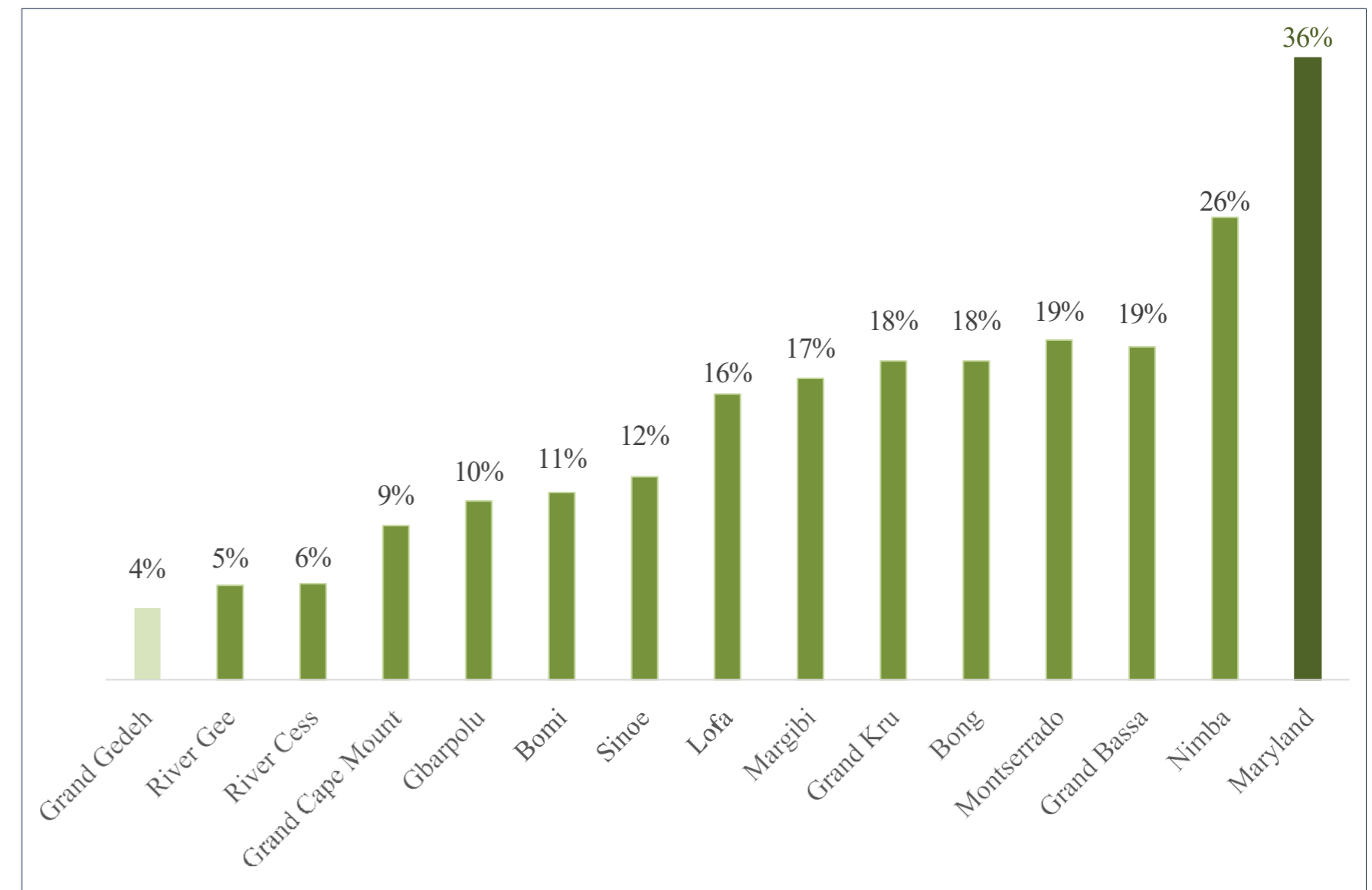
Arable Crops Production: **Sugar Cane Producing HHs**

Sugar Cane Producing Households by Sex and by Residence



- **17.6%** of agricultural Households are producing Sugar Cane
- **71.8%** of Sugar Cane producing Households are headed by male

Sugar Cane Producing Households by County

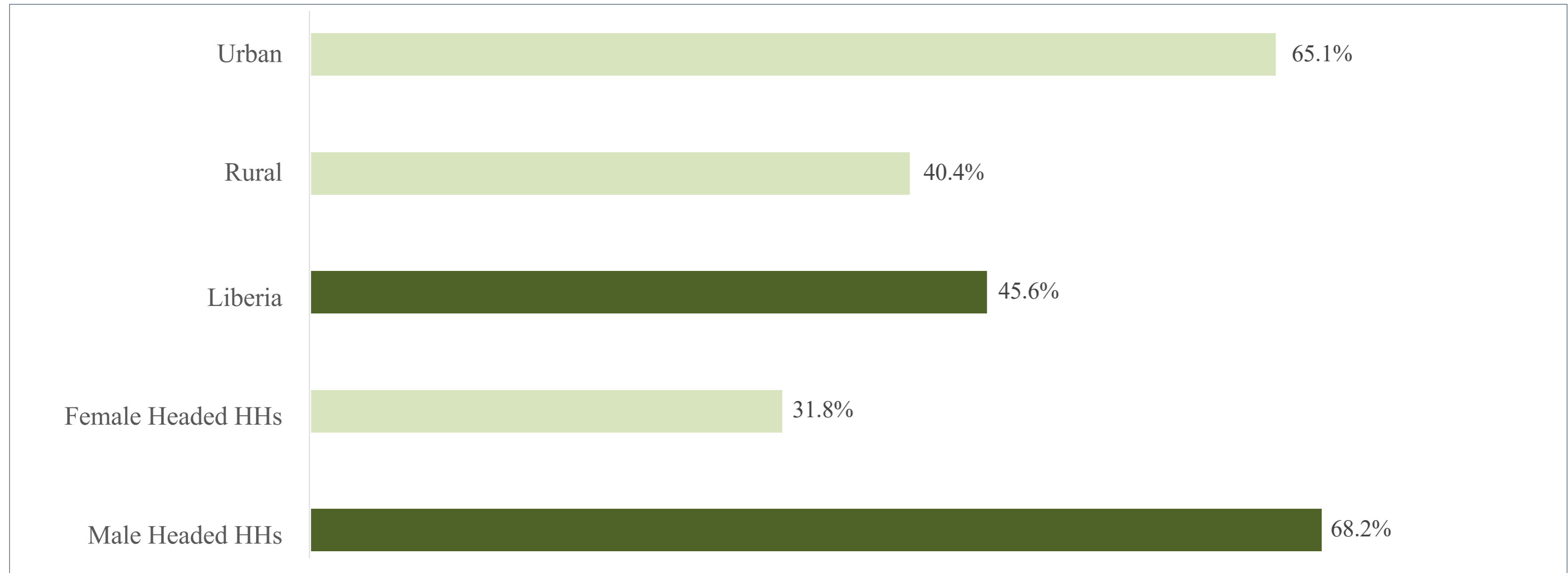


Maryland County has the highest (**36%**) Sugar Cane producing agricultural Households followed by Nimba County (**26%**) while Grand Gedeh County has the lowest Sugar Cane Producing Households (**4%**).



Arable Crops Production: **Backyard Garden**

Agricultural Households Involved in Backyard Farming by Sex and by Residence



- **45.6%** of agricultural Households are involved with back yard Farming.
- **68.2%** of Back yard farming Households are headed by male.



Tree Crops Production

* Oil Palm

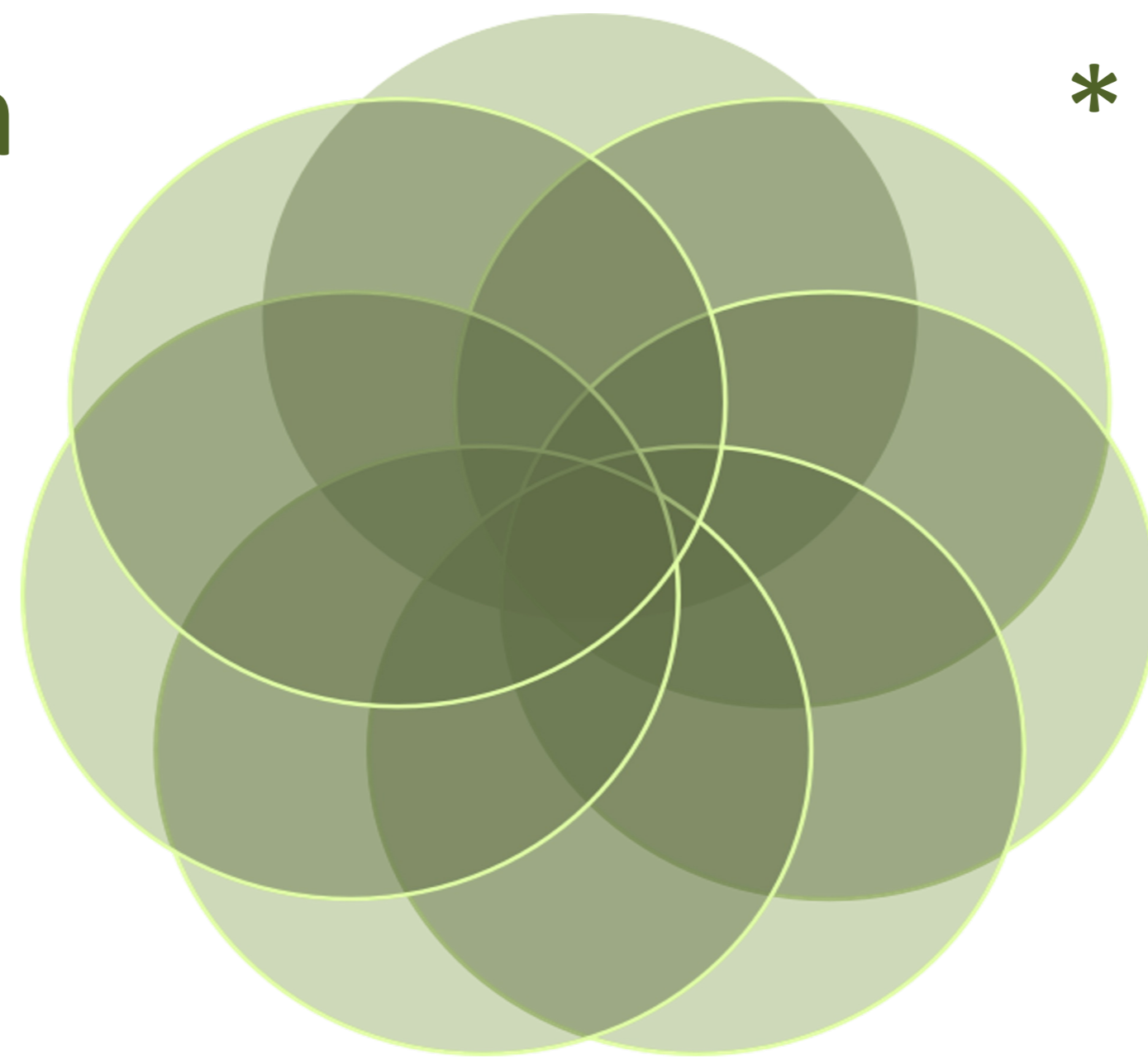
* Banana

* Cocoa

* Plantain

* Coffee

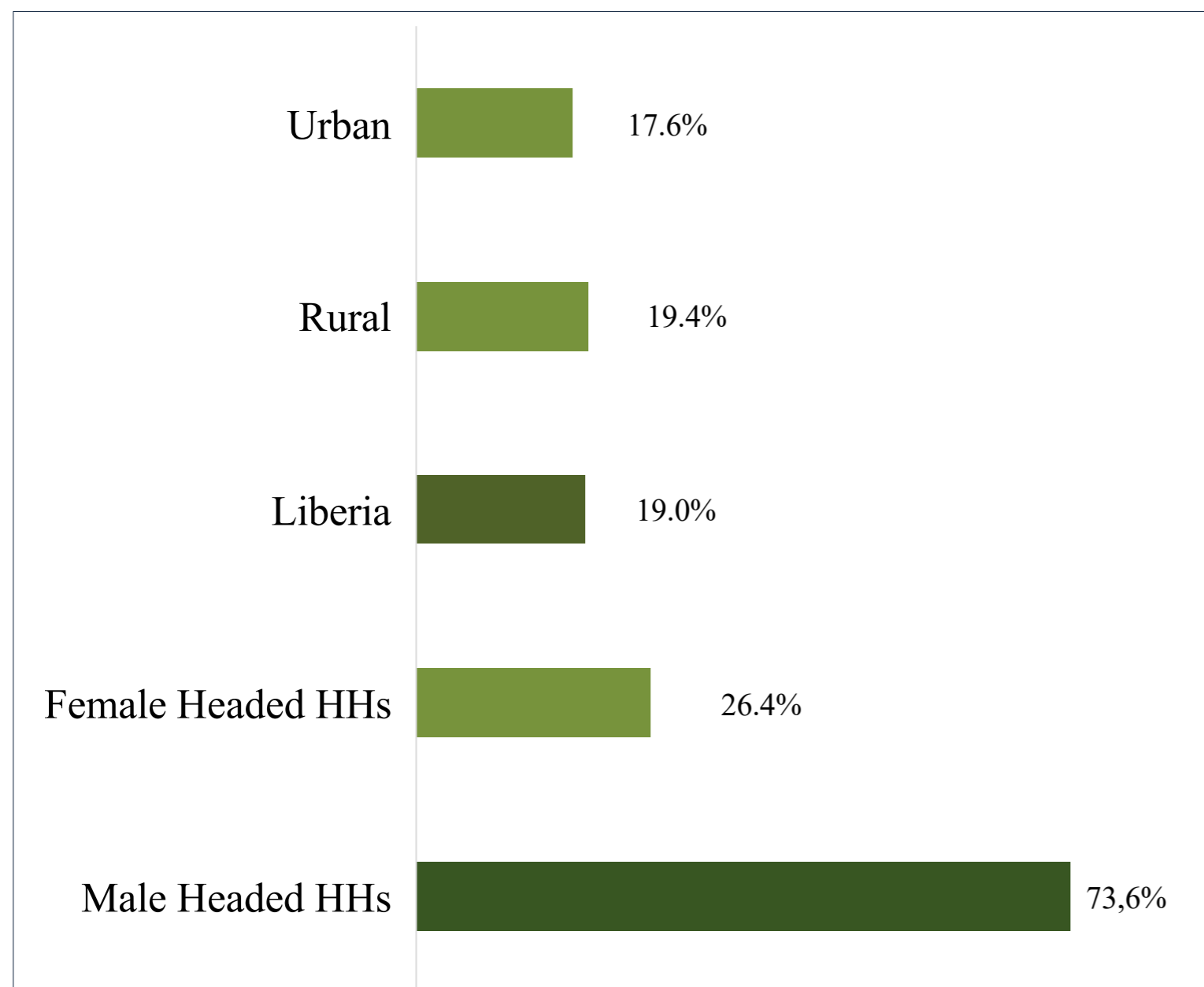
* Coconut





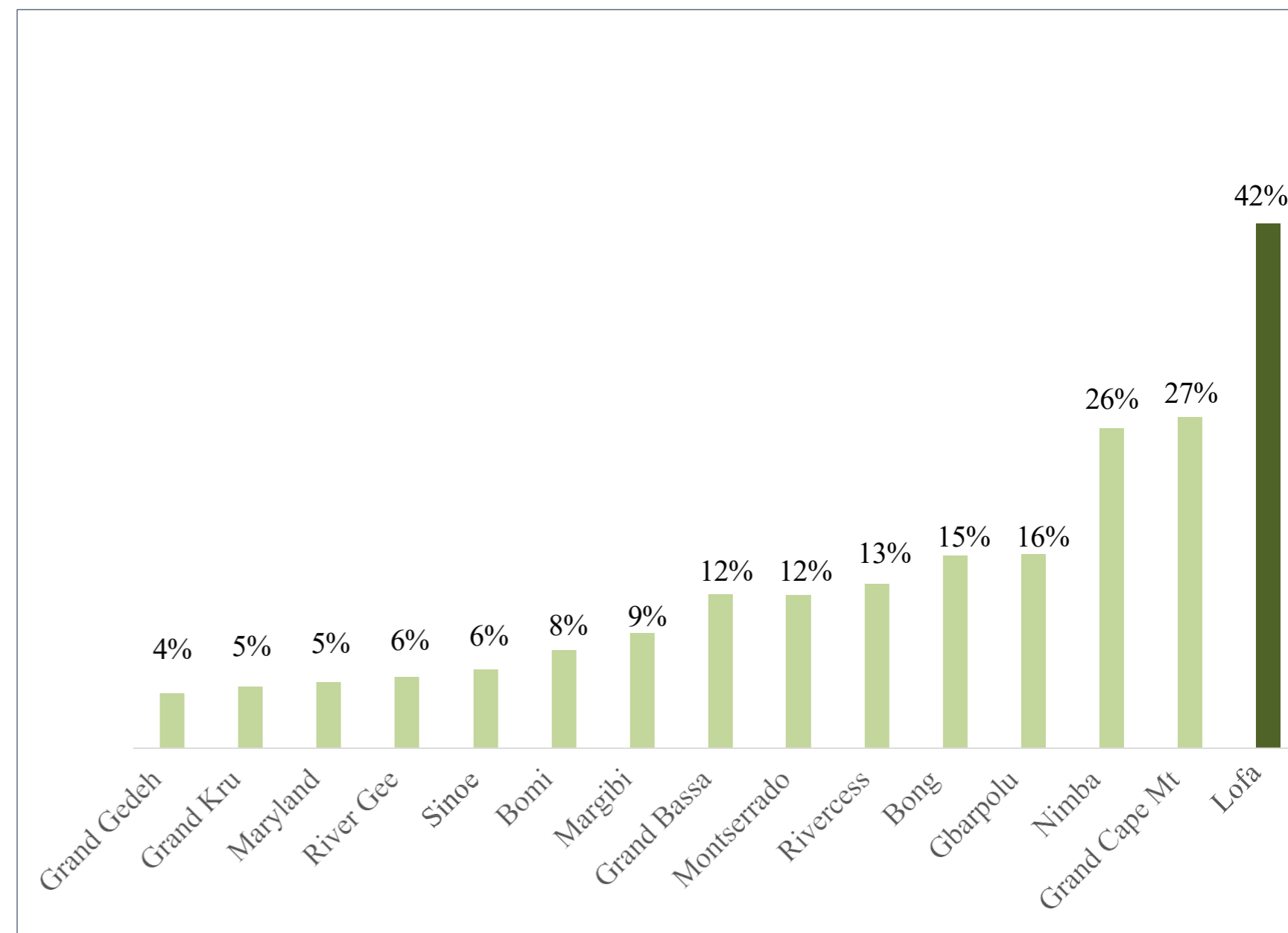
Tree Crops Production: Oil Palm Producing Agricultural Households

Agricultural Households Producing Oil Palm by Sex and by Residence



- **19.0%** of agricultural Households are producing Oil Palm
- **73.6%** of agricultural Households producing Oil Palm are headed by male.

Agricultural Households Producing Oil Palm by County

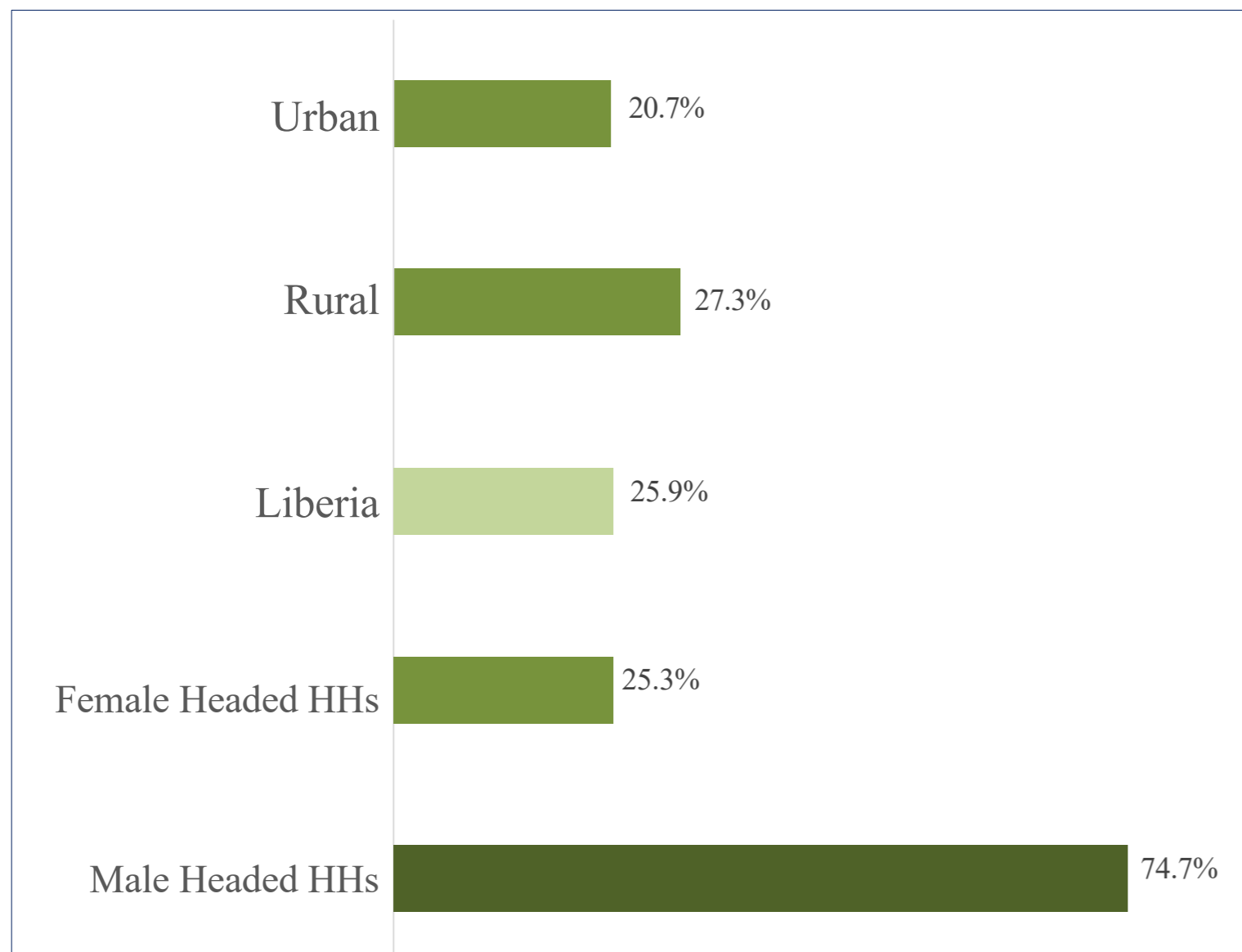


Lofa has the highest (**42%**) Oil Palm producing agri Households followed by Grand Cape Mount County (**27%**) and Grand Gedeh County has the lowest Oil Palm Producing Households (**4%**).



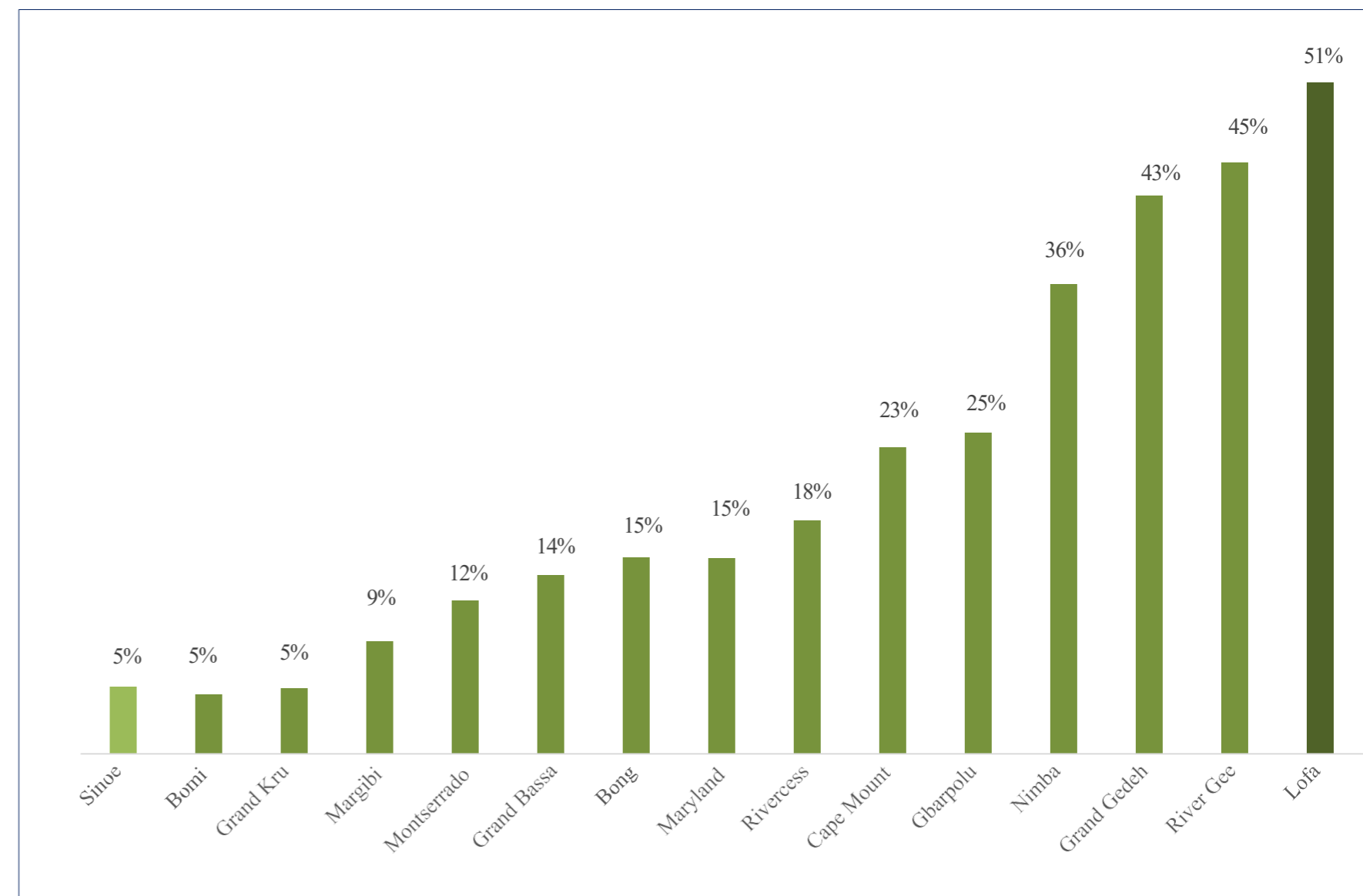
Tree Crops Production: Agricultural Households Producing Cocoa

Agricultural HHs Producing Cocoa by Sex and Residence



- **25.9%** of agri HHs are producing Cocoa
- **74.7%** of Cocoa producing HHs are headed by male

Agricultural Households Producing Cocoa by County

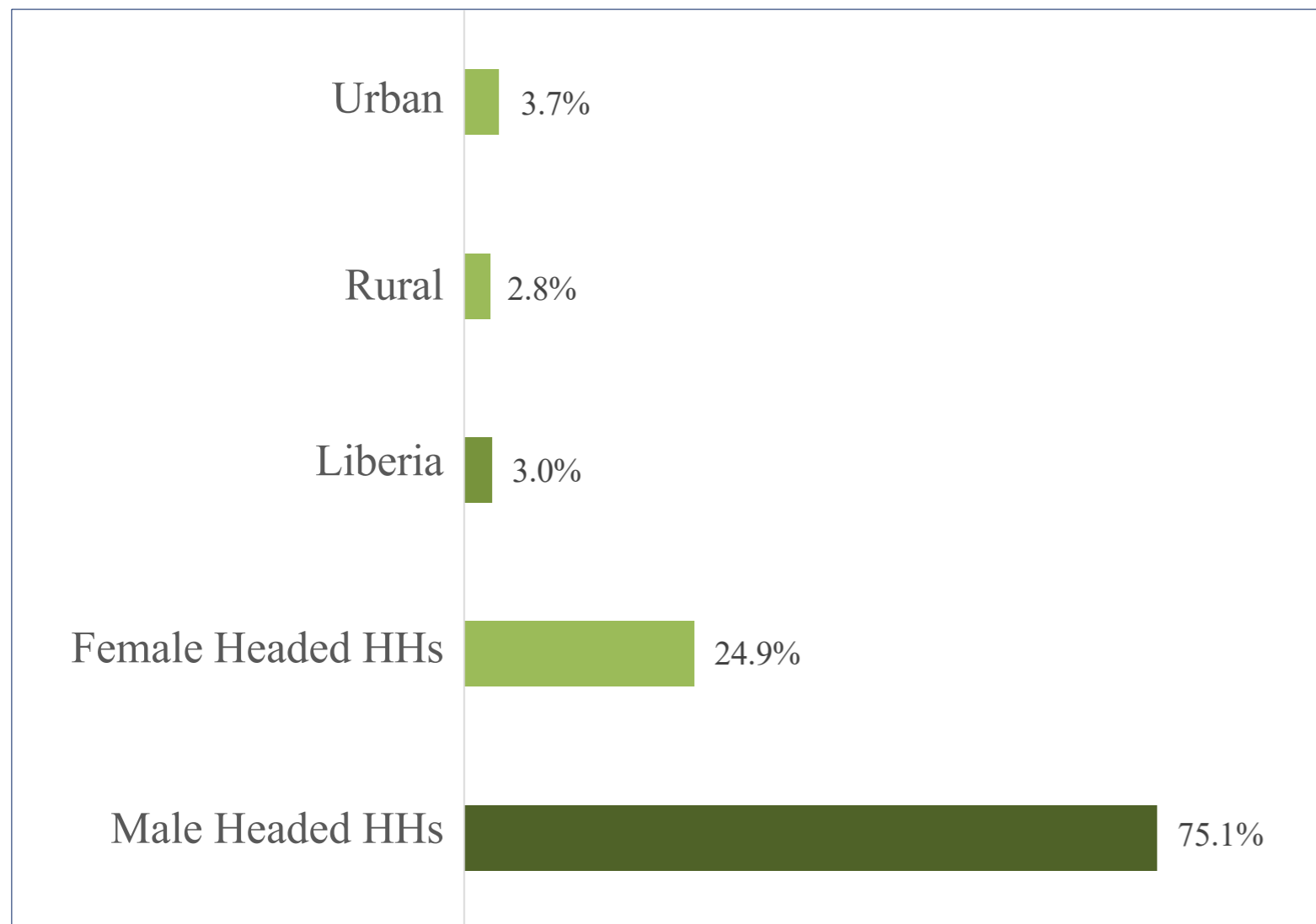


Lofa County has the highest (**51%**) Cocoa producing agricultural Households followed by River Gee County (**45%**) while Sinoe County has the lowest Cocoa producing agricultural Households (**5%**).

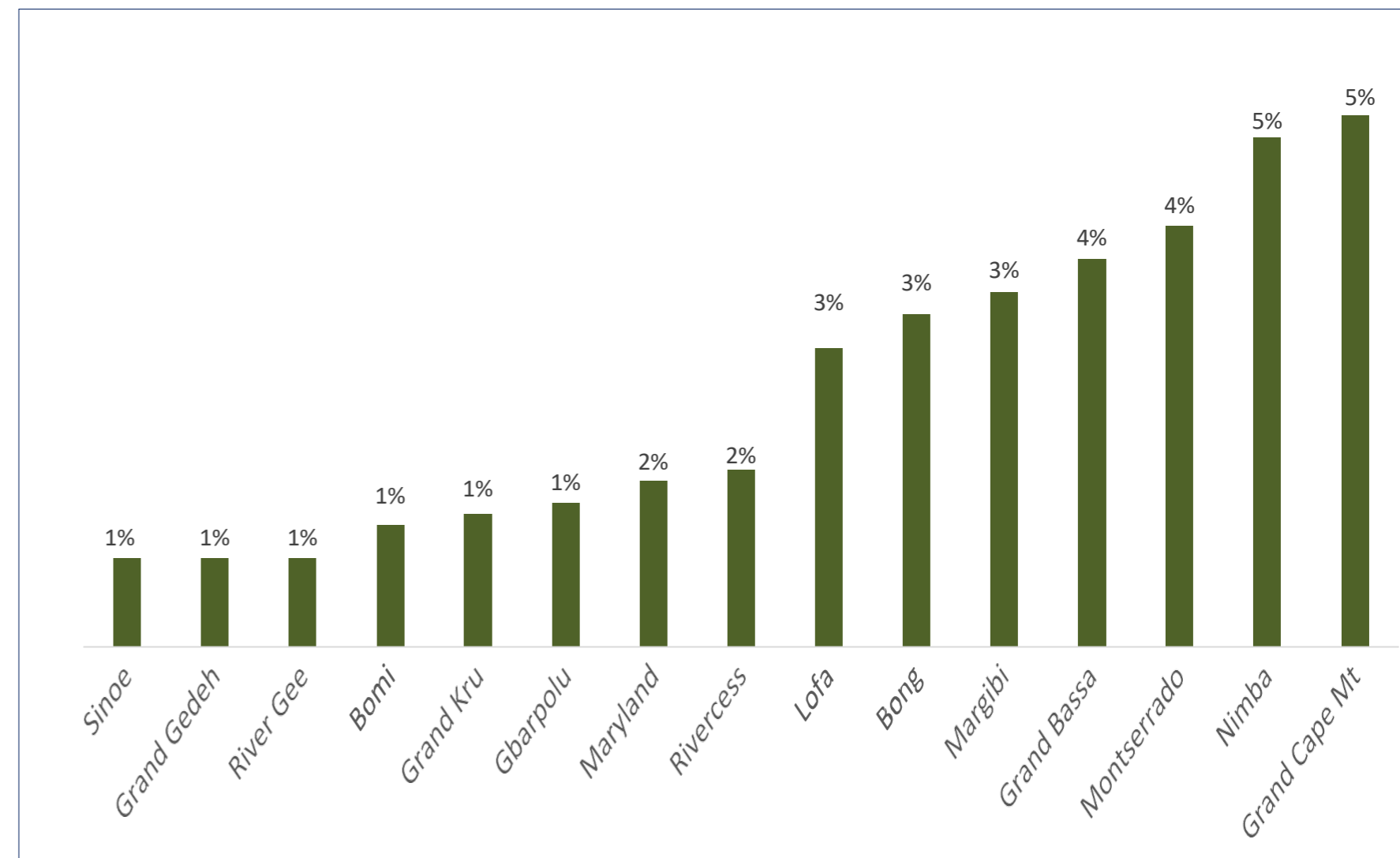


Tree Crops Production: Agricultural Households Producing Coffee

Agricultural HHs Producing Coffee by Sex and Residence



Agricultural Households Producing Coffee by County



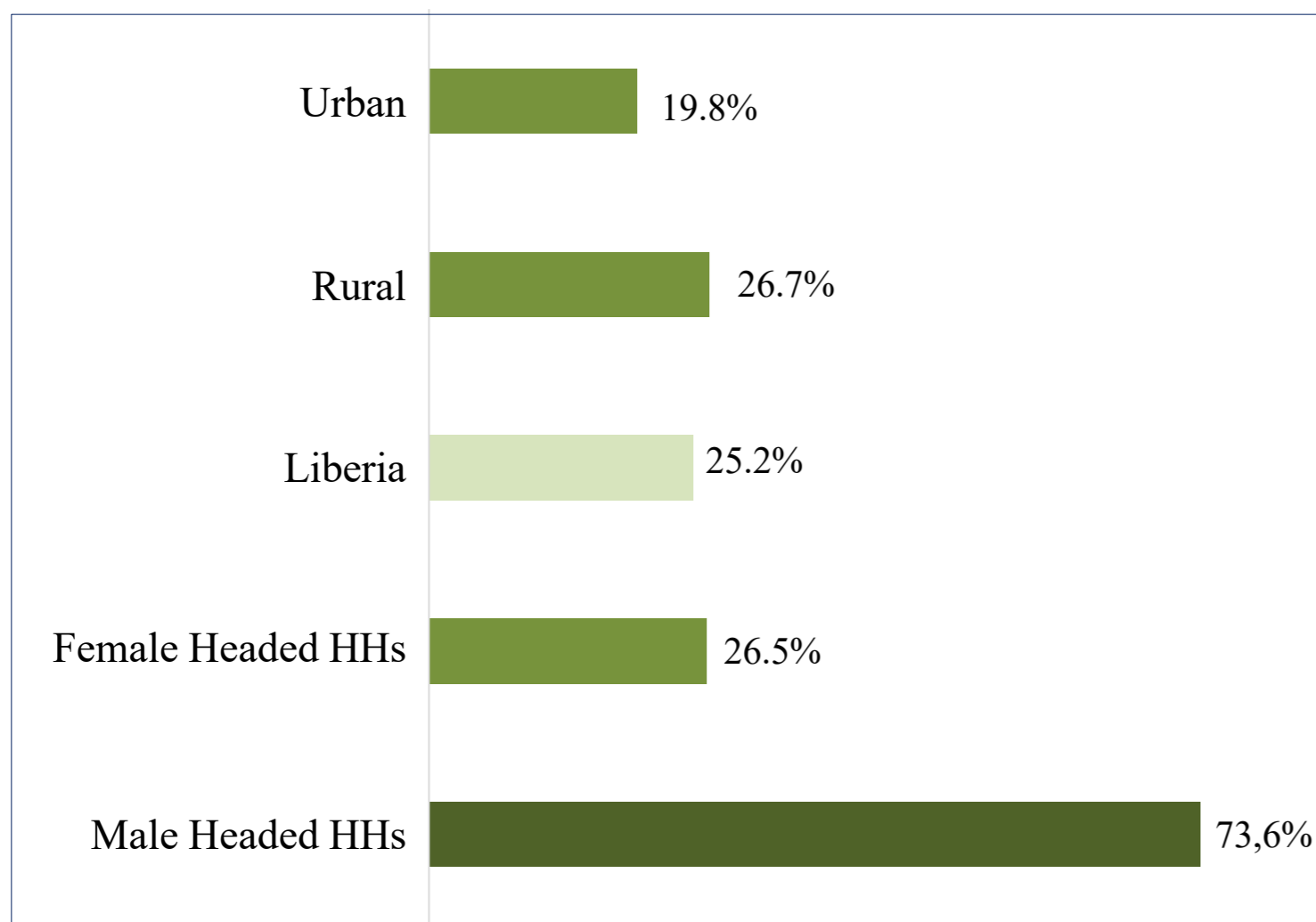
- **3%** of agricultural Households are producing Coffee
- **75.1%** of Coffee producing HHs are headed by male

Grand Cape Mount County and Nimba County have the highest (**5%**) Coffee producing agricultural Households.



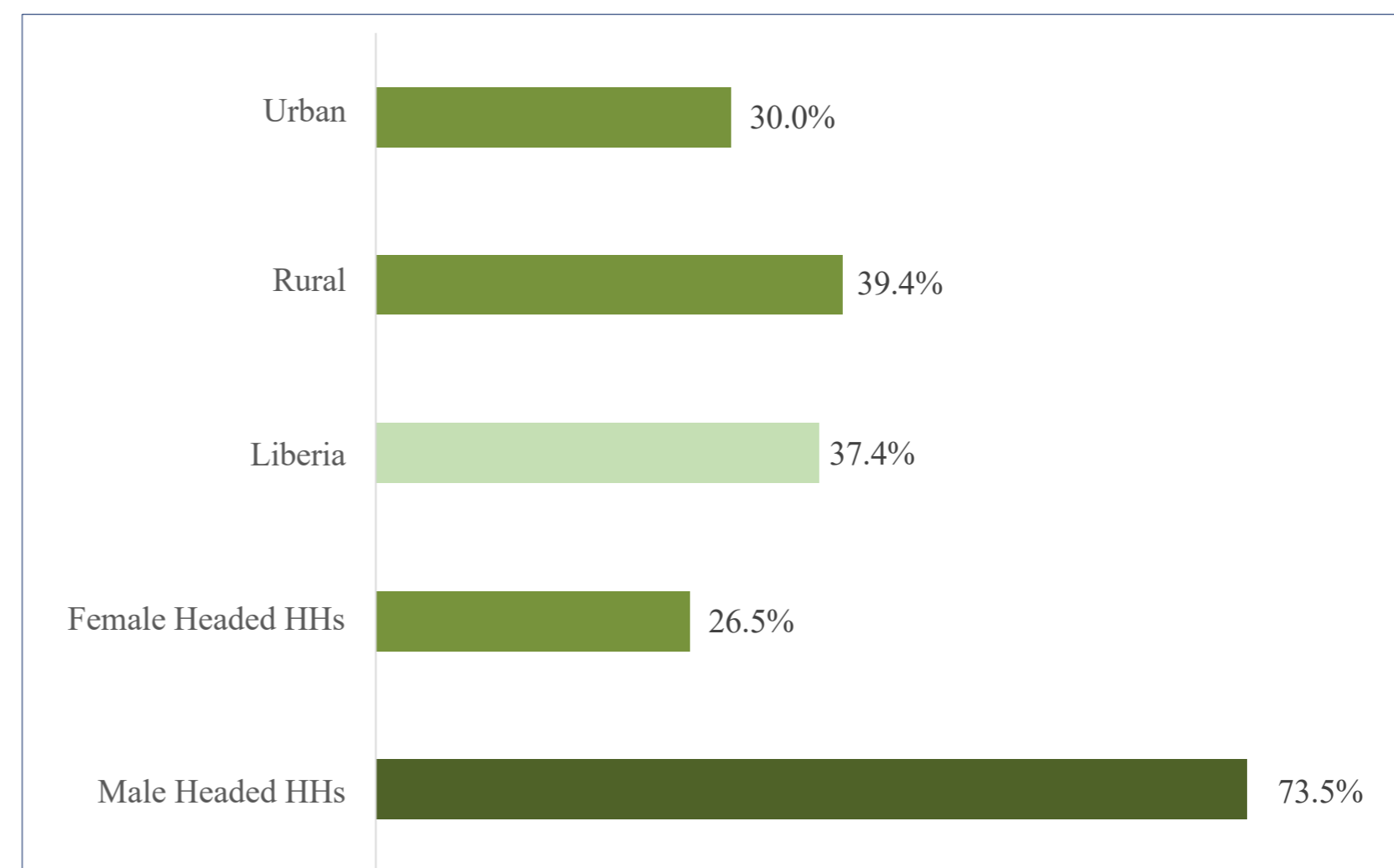
Tree Crops Production: Agricultural Households Producing Banana & Plantain

Agricultural HHs Producing Banana by Sex and Residence



- **25.2%** of agri HHs are producing Banana
- **73.6%** of Banana producing HHs are headed by male

Agricultural HHs Producing Plantain by Sex and Residence

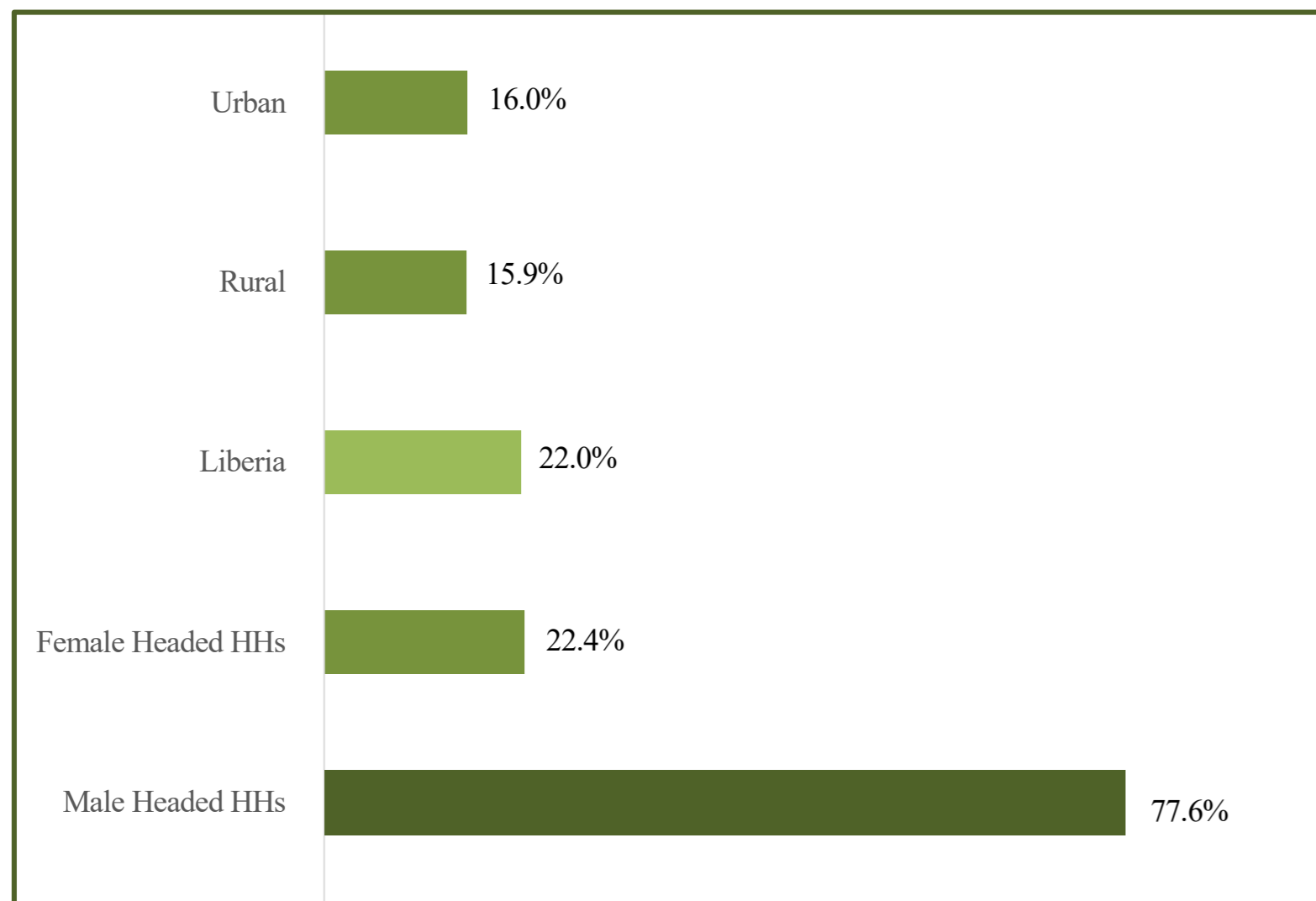


- **37.4%** of agri HHs are producing Plantain
- **73.5%** of Plantain producing HHs are headed by male



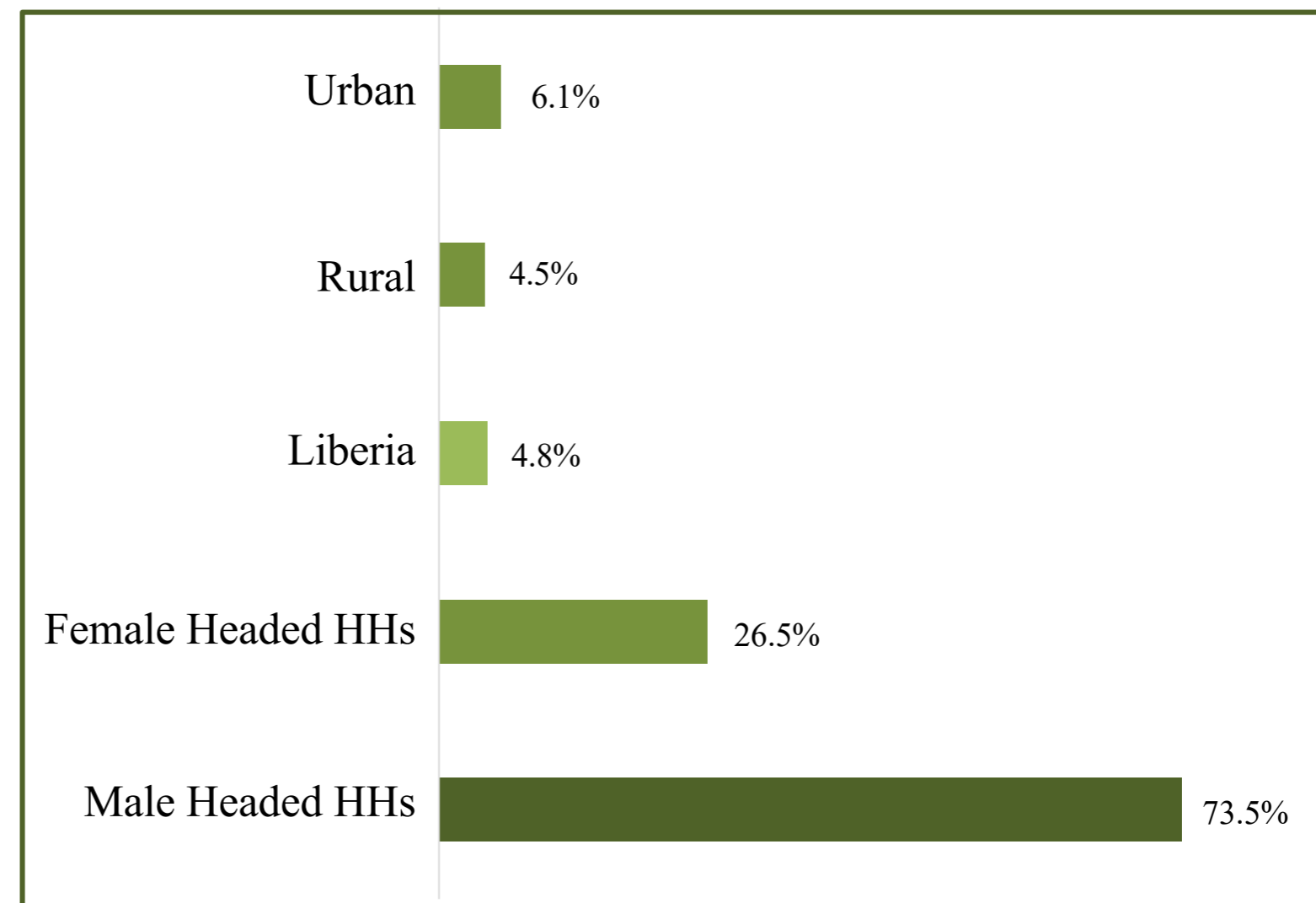
Tree Crops Production: Agricultural Households Producing Rubber & Coconuts

Agricultural HHs Producing Rubber by Sex and Residence



- **22%** of agricultural Households are producing rubber
- **77.6%** of rubber producing Households are headed by male

Agricultural HHs Producing Coconuts by Sex and Residence



- **4.8%** of agricultural Households are producing Coconuts
- **73.5%** of Coconuts producing Households are headed by male



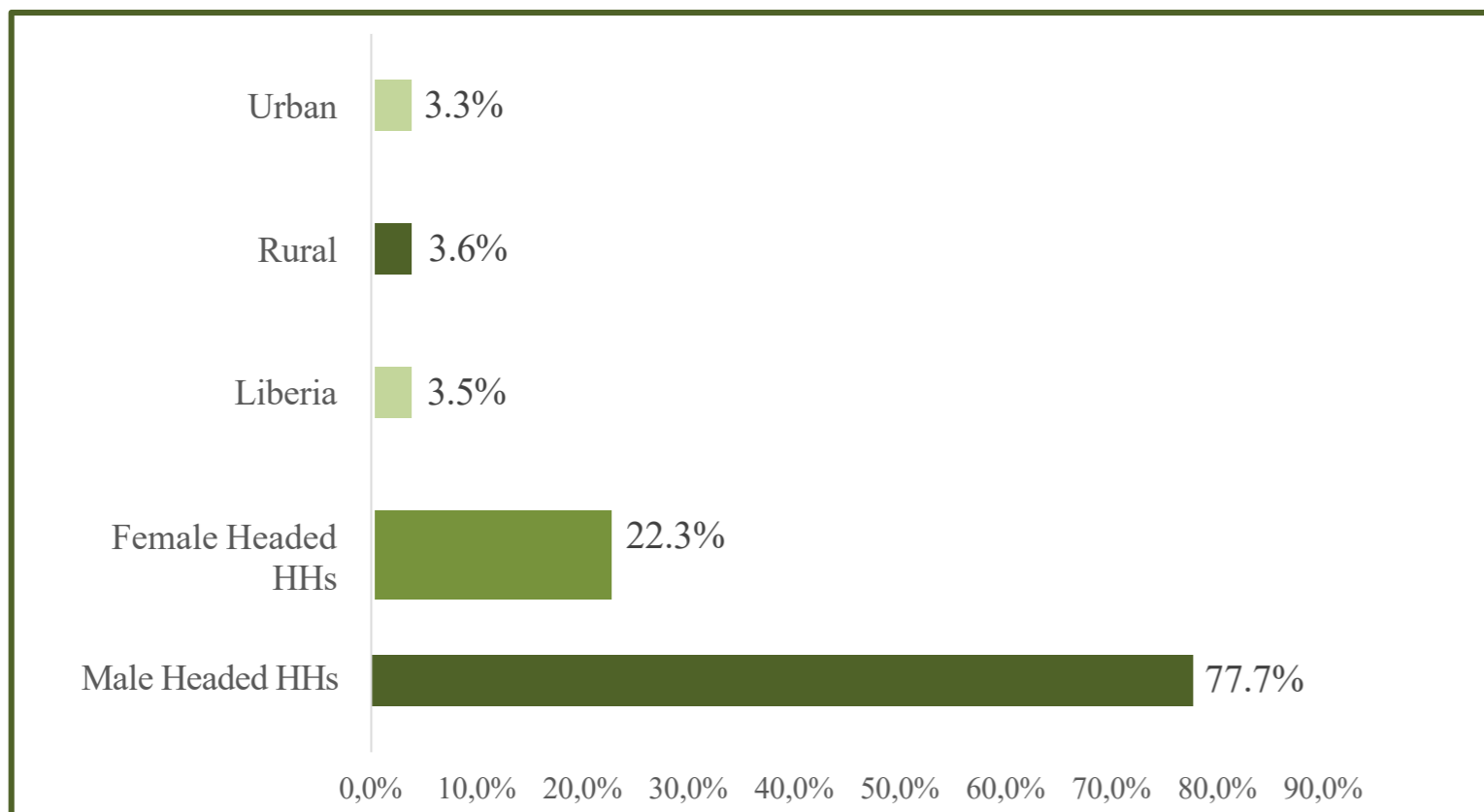
Livestock and Aquaculture Production





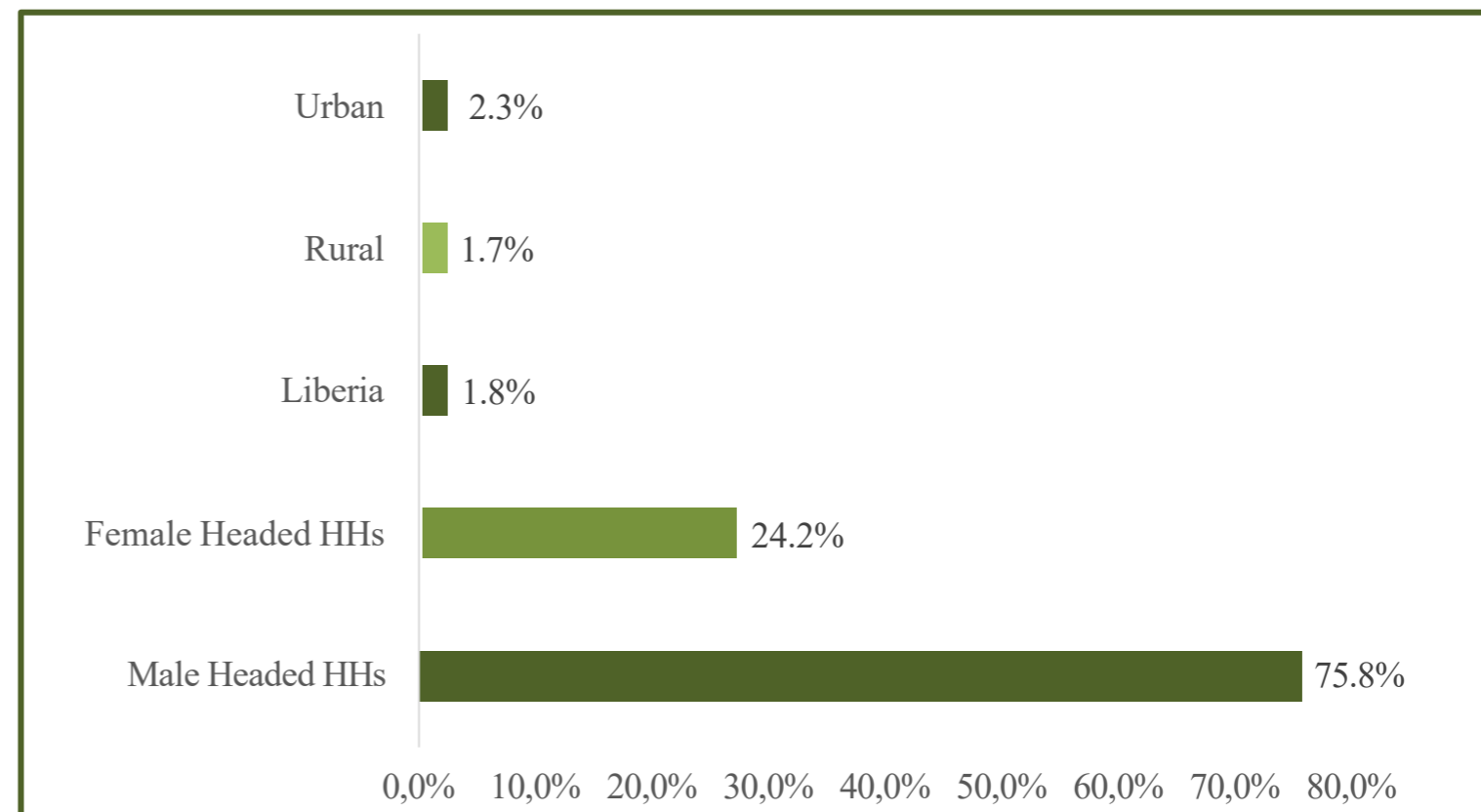
Livestock and Aquaculture Production: Agricultural HHs Rearing Livestock and Poultry

Agricultural HHs Rearing Livestock by Sex and Residence



- **3.5%** of agri HHs are Rearing Livestock
- **77.7%** of Livestock Rearing HHs are headed by male

Agricultural HHs Rearing Poultry by Sex and Residence

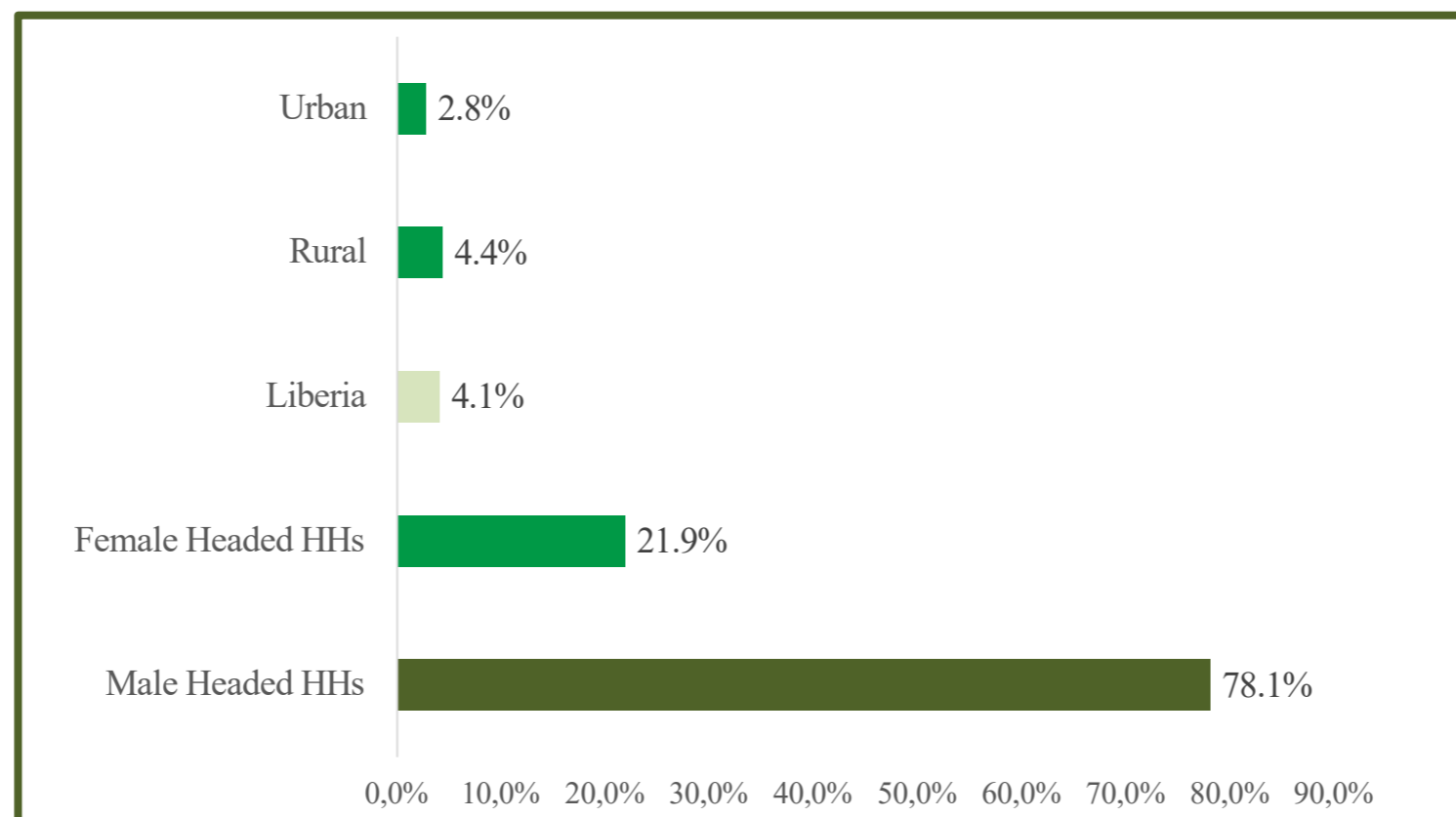


- **1.8%** of agri HHs are Rearing Poultry
- **75.8%** of Poultry Rearing HHs are headed by male



Livestock and Aquaculture Production: Agricultural HHs involved in Fishery

Agricultural HHs involved in Fishery by Sex and Residence



- **4.1%** of agri HHs are involved in Fishery
- **78.1%** of fishery HHs are headed by male



Ownership of Amenities and Types of Dwelling Structures



House with thatched roofs and mud walls



House with thatched roofs and brick walls



House with metal roofs and un-plastered brick walls

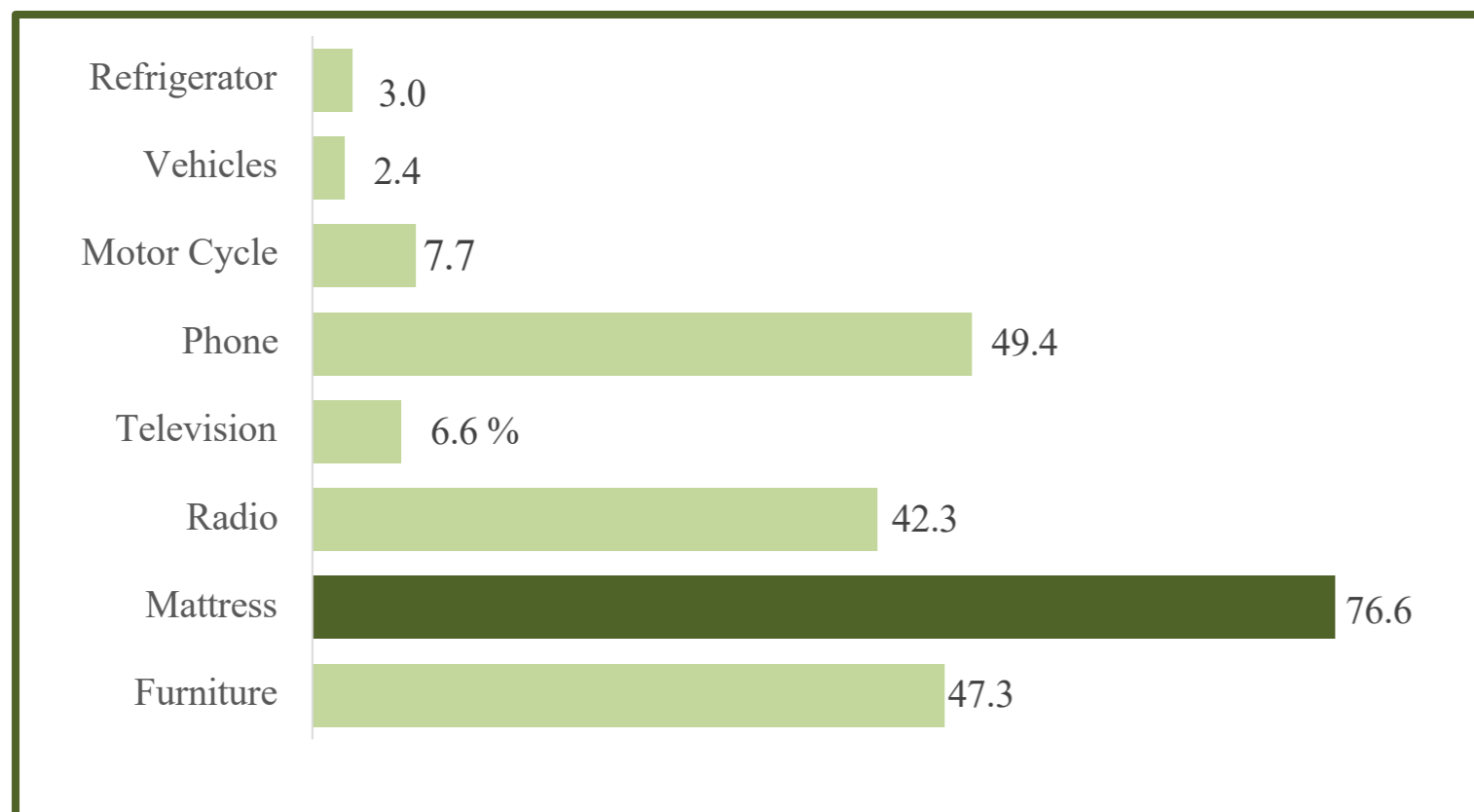


House with metal roofs and plastered brick walls



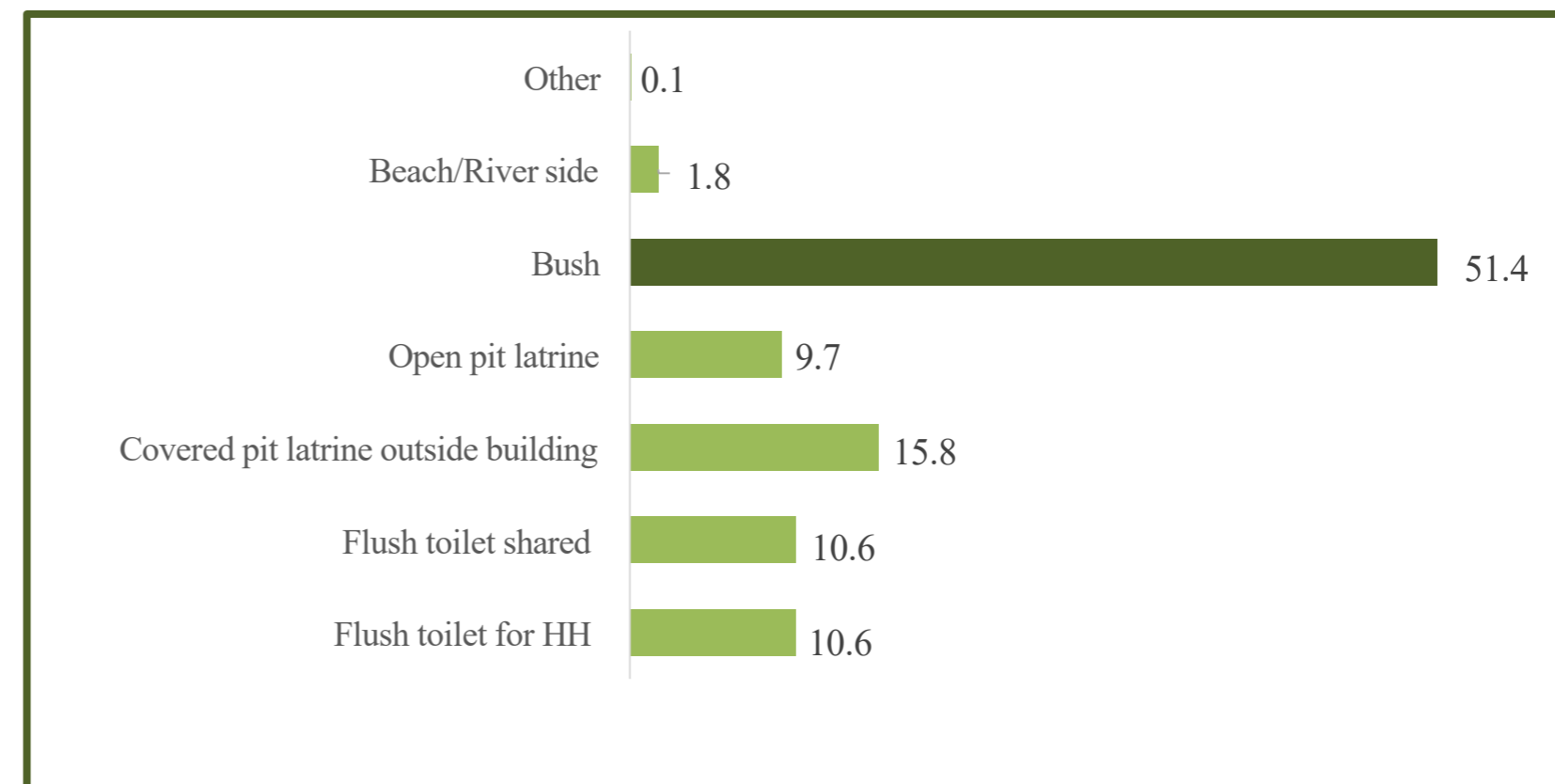
Ownership of Amenities and Types of Dwelling Structures

Agricultural Households Ownership of Amenities



- **76.6%** of agri HHs have mattress as the most common asset
- **49.4%** have phone and 47.3% have furniture (Chairs, tables, etc)

Agricultural Households by types of human waste deposited

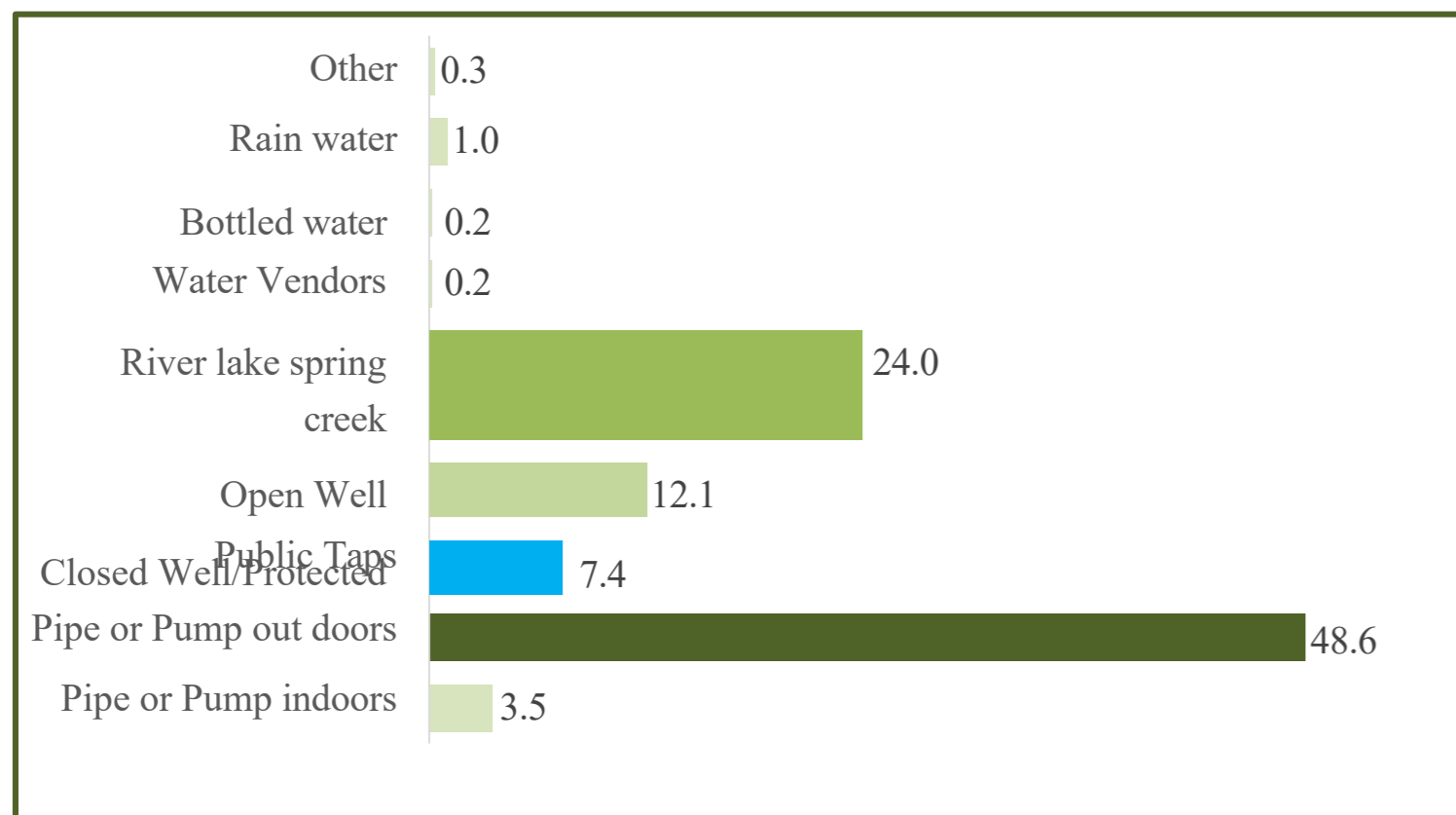


- **51.4%** of agri HHs used the bush to toilet
- **15.8%** used covered pit latrine outside of their homes

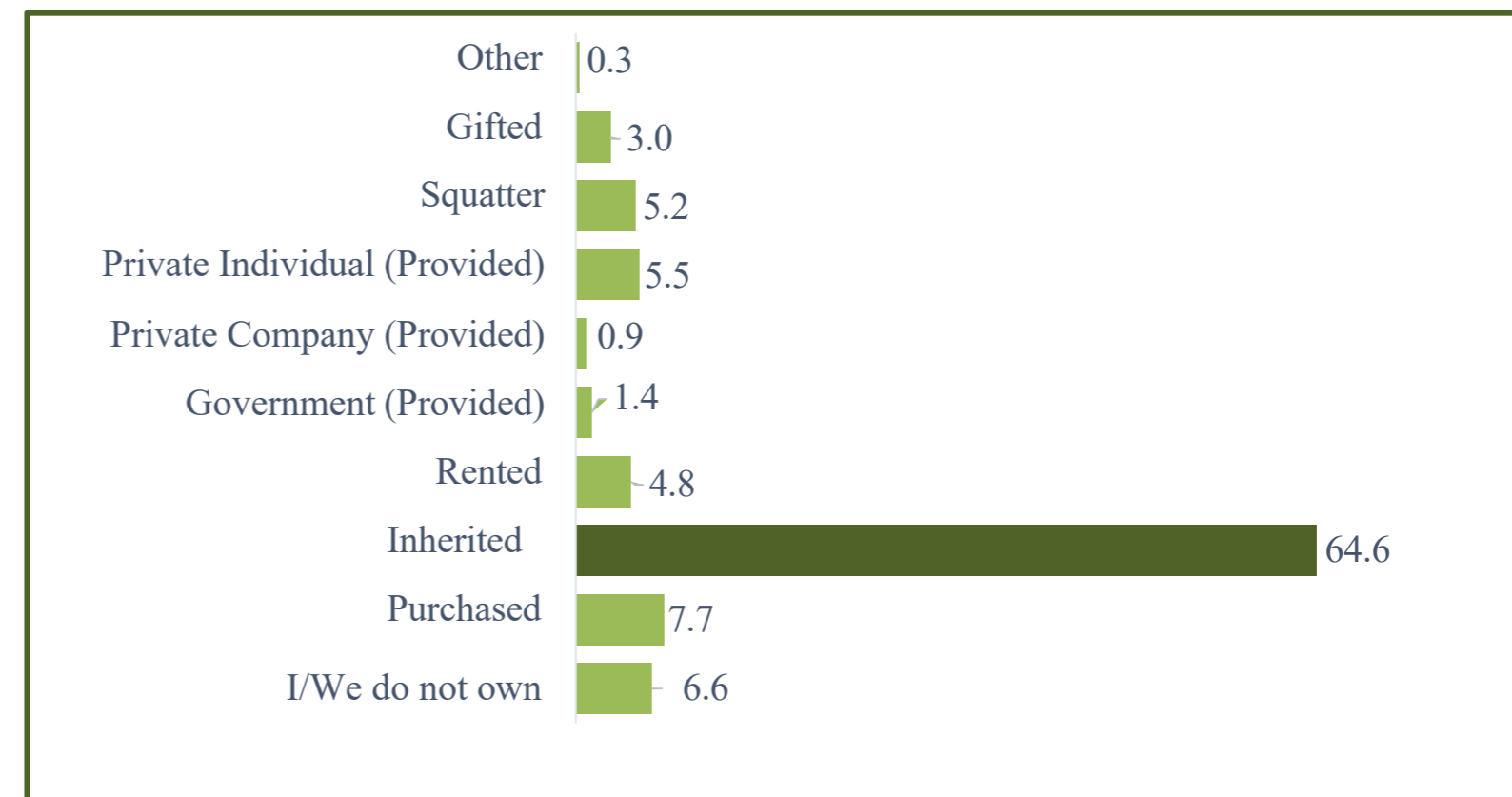


Ownership of Amenities and Types of Dwelling Structures

Agricultural Households by Source of Drinking Water



Agricultural Households Farm Land Ownership Status



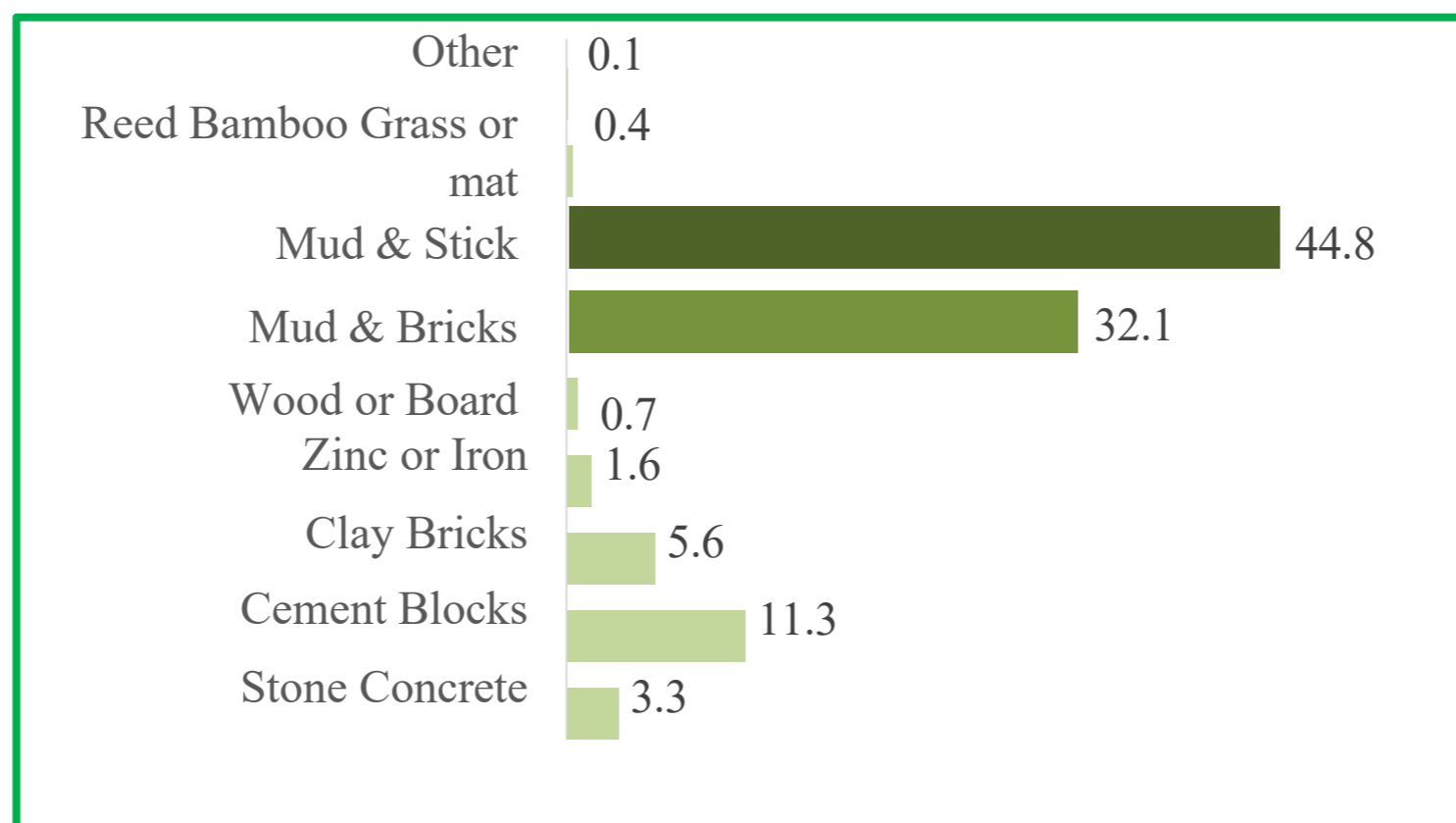
- **48.6%** of agri HHs drink from pipe pump out door
- **24%** drink from River lake spring creek

- **64.6%** of agri HHs Farm land were inherited
- **7.7%** were purchased



Ownership of Amenities and Types of Dwelling Structures

Agricultural Households Dwelling Structure



- **44.8%** of agri homes are made of mud and sticks
- **32.1%** are made of mud and bricks
- **11.3%** are made of Cement and blocks



Policy Recommendations

3





Recommendations

1. **Establish training programs** for farmers to promote continuous learning and skill development.
2. **Decentralize basic social services** to improve living conditions and create opportunities for rural agricultural communities.
3. **Implement programs** to train farmers in the use of modern technology and mechanized farming techniques.
4. **Design and implement special women empowerment programs** specifically for women in the agriculture sector.
5. The **Ministry of Agriculture (MOA) and development partners** should provide financial and technical support to agricultural households led by individuals with disabilities.
6. **Stakeholders and government** should create an enabling environment by providing necessary equipment, storage facilities, farming inputs, and other resources to help agricultural households increase production and manage pre- and post-harvest activities more effectively.



7. Future censuses should include the following considerations:

- ✓ Identify household members involved in agricultural activities.
- ✓ Gather information on the types of tools and equipment used by agricultural households.
- ✓ Inquire about post-harvest technology, including harvesting methods, storage facilities, and transport.