GHANA 2021 POPULATION AND HOUSING CENSUS

**GENERAL REPORT
VOLUME 3F**

DIFFICULTY IN PERFORMING ACTIVITIES

2021 POPULATION AND HOUSING CENSUS

YOU COUNT, GET COUNTED

STATISTICAL SERVICE GHANA

Agenda 2063
The AFRICA We Want

THE COORDINATED PROGRAMME OF ECONOMIC AND
SOCIAL DEVELOPMENT POLICIES 2017-2024
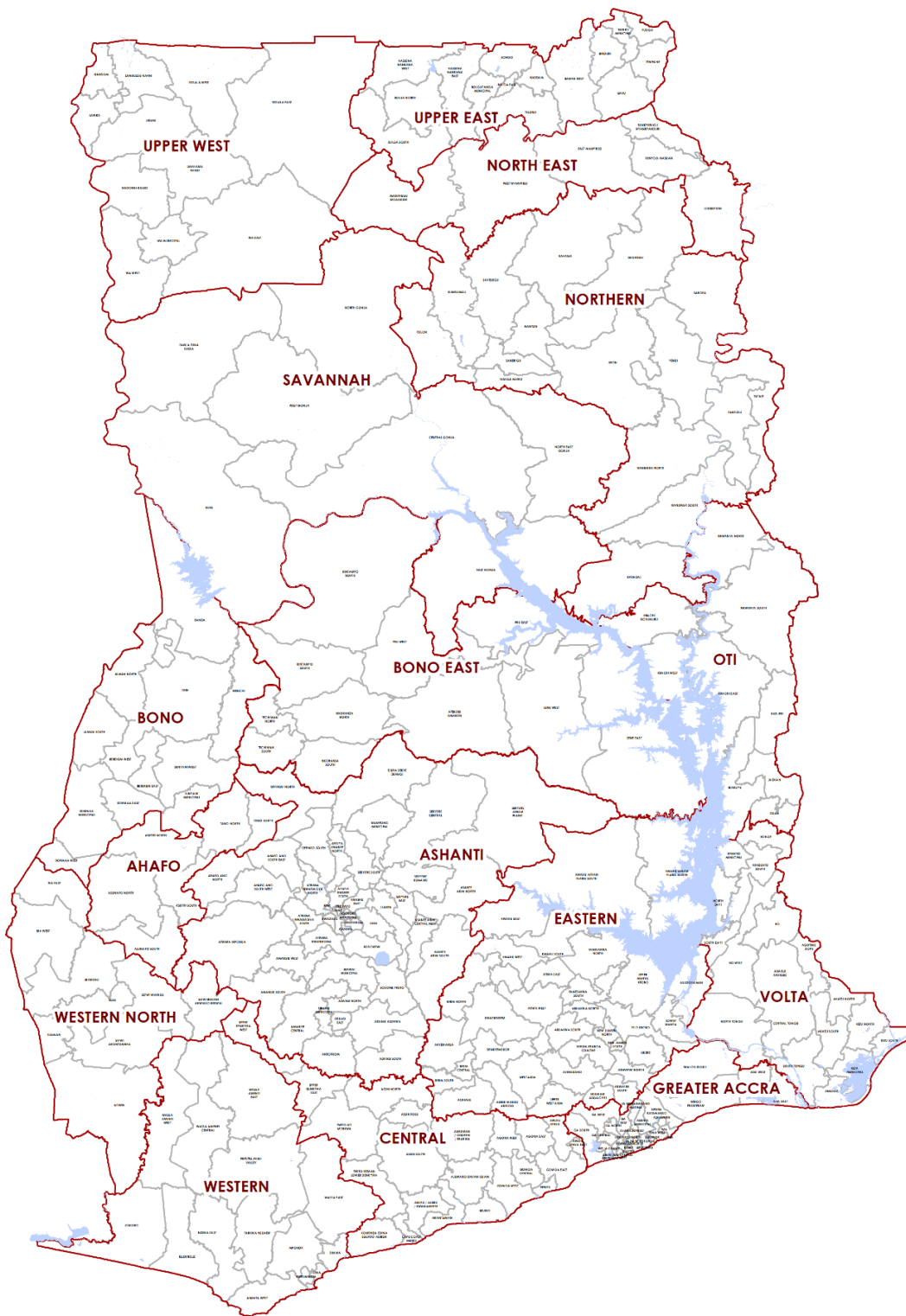AN AGENDA FOR JOBS: CREATING PROSPERITY
AND EQUAL OPPORTUNITY FOR ALL

TRANSFORMING OUR WORLD
THE 2030 AGENDA FOR SUSTAINABLE
DEVELOPMENT

SUSTAINABLE DEVELOPMENT GOALS

GHANA 2021 POPULATION AND HOUSING CENSUS

GENERAL REPORT
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ADMINISTRATIVE MAP OF GHANA

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FOREWORD

The Ghana 2021 Population and Housing Census (PHC) was conducted to provide updated demographic, social and economic data for research, policy and planning to support national development activities and track the implementation of national, continental, and global development goals, such as *The Coordinated Programme of Economic and Social Development Policies, 2017-2024: An Agenda for Jobs: Creating Prosperity and Equal Opportunity For All; Agenda 2063, The Africa We Want; and Transforming Our World: The 2030 Agenda for Sustainable Development*.

The agendas advocate for inclusive development through the focusing on strategies which lead to equal opportunities, equity as well as inclusive and sustainable economic growth and development for all. That is, ensuring that no one is left behind. Inclusive development requires the identification of all categories of the population, especially marginalised and vulnerable groups such as persons with disabilities in order to ensure that they are included in the national development agenda. A census is always the medium for achieving coverage identifying various groups and providing data by levels of disaggregation. One of the unique features of the 2021 PHC was the inclusion of questions on difficulty in performing certain activities.

Volume 3F provides statistics on Difficulty in Performing Activities, disaggregated by sex, region, and type of locality (rural/urban) in the following domains: sight, hearing, physical (walking or climbing stairs), intellectual (remembering or concentrating), self-care, and speech. The 2021 PHC extends the dichotomous classification of disability used in previous censuses (has a disability or does not have a disability) to a multifaceted categorisation of the severity of the difficulty in performing activities (has no difficulty, some difficulty, a lot of difficulty or cannot do at all). This alternative approach is meant to elicit information to determine the spectrum of impairments and functional limitations within the population.

This publication targets Government Ministries, Departments, and Agencies (MDAs); Metropolitan, Municipal and District Assemblies (MMDAs), Development Partners, Civil Society Organisations (CSOs), Private Sector, Research and Academia, and the general public. Specifically, the report provides data for the implementation of policies that include a focus on the wellbeing of persons with disabilities such as the Inclusive Education Policy (2015), National Population Policy (2017), and the National Health Policy (2020). Further, the disaggregated data provides information to guide decentralised decision-making particularly with the disbursement and management of District Assembly Common Fund Allocation to Persons with Disability as stipulated by the Disability Act (2006). The report will therefore support evidence-based decision making and planning at all levels for inclusive and sustainable development.

PROFESSOR SAMUEL KOBINA ANNIM
CHIEF CENSUS OFFICER AND GOVERNMENT STATISTICIAN

ACKNOWLEDGEMENTS

Ghana Statistical Service (GSS) takes this opportunity to thank the Government of Ghana, former Presidents, members of the National Census Steering Committee, National Census Technical Advisory Committee, National Census Publicity, Education and Advocacy Committee and the Regional and District Census Implementation Committees for their commitment and dedication to ensuring a well-coordinated census operation.

We are indeed grateful to the Ministry of Finance, Ministry of Education, Ghana Education Service (GES), Ministry of Information, Information Services Department, Ministry of Local Government, Decentralisation and Rural Development, Local Government Service, and the various District Assemblies, National Identification Authority, Ministry of Defence, Ghana Armed Forces, Ministry of Interior, Ghana Police Service, Ghana Immigration Service, Ghana Civil Aviation Authority, Ghana Airports Company Limited, Ghana Fire Service, Ghana Prisons Service, Ministry of Health, Ghana Health Service, Ministry of Foreign Affairs and Regional Integration, National Commission for Civic Education (NCCE), Electoral Commission (EC), Office of Government Machinery, Ministry of Parliamentary Affairs, Parliament, Ministry of National Security, National Sports Authority, National Communication Authority, Ghana Highways Authority, Survey Department, Ministry of Sanitation and Water Resources, Ministry of Food and Agriculture, Ministry of Gender, Children and Social Protection, National Council on Persons with Disability, Births and Deaths Registry, Religious and Traditional Leaders, individuals and all other organisations that provided the needed support to enable the GSS execute this essential national exercise.

We thank the Ghana Federation of Disability Organisations (GFD) for supporting the exercise through consultations in the pre-enumeration phase and field monitoring during the data collection. We are also indebted to our partners and collaborators, notably, the United Nations Population Fund (UNFPA), World Bank, European Union (EU), International Organisation for Migration (IOM), United Nations Development Programme (UNDP), United Nations Economic Commission for Africa (UNECA), United Kingdom Office for National Statistics (ONS), Statistics Denmark, Geo-Referenced Infrastructure and Demographic Data for Development (GRID[3]), Jospong Group of Companies, IPMC Ghana, CalBank, Windy Lodge Beach Resort, telecommunication companies, and tertiary institutions for their technical, logistic, financial support, publicity, education, and advocacy campaigns that led to the effective and efficient management of the census processes.

GSS also appreciates the contributions of the general public, the media, all Census officials and field officers for ensuring a successful enumeration.

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ABBREVIATIONS AND ACRONYMS

CAPI	Computer-Assisted Personal Interview
CCT	Census Coordinating Team
CSOs	Civil Society Organisations
CSPro	Census and Survey Processing System
CTA	Chief Technical Advisor
DCICs	District Census Implementation Committees
DCOs	District Census Officers
DDQM	District Data Quality Monitor
DFSs	District Field Supervisors
DPs	Development Partners
DQMTs	Data Quality Management Teams
EAs	Enumeration Areas
EBRP	Enumerator Bureau Recruitment Portal
EC	Electoral Commission
EU	European Union
GCA	Ghana Census of Agriculture
GES	Ghana Education Service
GHS	Ghana Health Service
GoG	Government of Ghana
GRID[3]	Geo-Referenced Infrastructure and Demographic Data for Development
GSS	Ghana Statistical Service
HQ	Headquarters
IOM	International Organisation for Migration
IT	Information Technology
MDAs	Ministries, Departments, and Agencies
MMDAs	Metropolitan, Municipal and District Assemblies
NCCE	National Commission for Civic Education
NDQMT	National Data Quality Management Team
NGOs	Non-Governmental Organisations
NIA	National Identification Authority
NPEAC	National Publicity, Education and Advocacy Committee
NTAC	National Technical Advisory Committee
ONS	United Kingdom Office for National Statistics
PEA	Publicity, Education and Advocacy
PES	Post-Enumeration Survey
PHC	Population and Housing Census
PPEs	Personal Protective Equipment
RCICs	Regional Census Implementation Committees
RDQMT	Regional Data Quality Management Team
RFSs	Regional Field Supervisors
SA	Supervisory Area
SDGs	Sustainable Development Goals
UNDP	United Nations Development Programme

UNECA	United Nations Economic Commission for Africa
UNFPA	United Nations Population Fund
WAEC	West African Examinations Council
ZFCs	Zonal Field Coordinators

1. OVERVIEW OF 2021 POPULATION AND HOUSING CENSUS

1.1. Introduction

Population census is the complete enumeration of all persons in a country at a specified time. It involves the collection, compilation and dissemination of demographic, social and economic statistics relating to the population. The complementary housing census is the complete enumeration of all living quarters (both occupied and vacant) in a country at a specified time. It also involves collection, compilation, and dissemination of statistical data on living quarters and occupants. Ghana has been conducting censuses since 1891 but Population and Housing censuses since 2000. In total, twelve population censuses have been conducted in the country — six during the pre-independence era and the other six in the post-independence era. The 2021 PHC is the 12th census and the first fully digital census (E-Census) conducted in the country.

The 2021 PHC was a count of all persons present in Ghana on the Census Night (27th June, 2021), irrespective of their nationality. It also involved counting all living quarters in the country. The Census operations focused on strategic areas to ensure that everyone is counted, enumerated once, and at the right place. These were anchored on five main strategic pillars: deployment of ICT solutions to drive the entire census process; use of geo-spatial data; decentralised data flow, management and analysis; integrated and enhanced field operations; and enhanced use of census processes and outcomes, notably census data.

The Census was designed and implemented to provide reliable and accurate data for evidence-based decision making, to support the implementation and tracking of progress and achievement of national agenda (e.g., The Coordinated Programme of Economic and Social Development Policies (2017-2024), Ghana Centennial Development Plan, NDPC Agenda 2057); continental (e.g., Agenda 2063) and global development agenda (e.g., the Sustainable Development Goals [SDGs]).

As a country, the Population and Housing Census provides information on who we are, how many we are, and where and how we are living. This information is essential for national development as the size, composition and characteristics of the population are useful for planning by all Ministries, Departments and Agencies (MDAs) and the private sector. The results will form the basis for the estimation and projection of needs in all sectors of the economy.

This report focuses on the regions and districts, which constitute the units of administration and planning in the country. It presents data on the population of administrative units, age and sex structure and the background characteristics of the population.

1.2. History of Census Taking in Ghana

The history of official census taking in Ghana dates back to 1891 when the first census was conducted by the colonial administration. The census recorded a total population

of 764,613. Since then, censuses have been held every 10 years in accordance with the United Nations recommendations. The expectation is that the decennial interval is an appropriate period to determine a change in a country's population structure, composition and socio-economic arrangements. However, the decennial interval was distorted in 1941, 1980, 1990 and 2020. The Second World War which occurred between 1939 and 1945 was the reason the census was not conducted in 1941. After the war, the census was conducted in 1948. In the late 1970s and early 1980s the country was hit with economic challenges and political instability that did not make it possible for a census to be conducted in 1980 but instead in 1984. Having taken a census in 1984, the next census could not have been held in 1990, as the time was too short to plan the Census, nor could the ten-year interval be maintained in 1994. More recently, due to the emergence of COVID-19, the Census that had been planned for 2020 had to be conducted in 2021 and a total population of 30,832,019 was recorded (Table 1.1).

TABLE 1.1: GHANA'S POPULATION IN CENSUS YEARS

Pre-independence		Post-independence	
Year	Count	Year	Count
1891	764,613	1960	6,726,815
1901	1,549,661	1970	8,559,313
1911	1,503,911	1984	12,296,081
1921	2,296,400	2000	18,912,079
1931	3,160,386	2010	24,658,823
1948	4,118,459	2021	30,832,019

1.3. Objectives of 2021 PHC

Generally, censuses provide for comparing and projecting demographic data, social and economic characteristics, as well as household and housing conditions at all levels of the country's administrative units and dimensions: national, regional, districts and localities.

The Ghana 2021 PHC had an overarching goal of generating updated demographic, social and economic data, housing characteristics and dwelling conditions to support national development planning activities. This was reinforced by eight specific objectives, which are to:

   a) Generate data on population and housing to determine, analyse and assess the population structure and the demographic, social, economic and housing characteristics of the population;
   b) Identify and analyse the availability, ownership and accessibility to ICT and ICT devices by the population, and how ICT is used by the different cohorts within the population;
   c) Collect and analyse the sanitation characteristics and conditions in households, localities, districts and regions in the country;
   d) Generate data on economic activities to determine the population in employment and multidimensional poverty;

e) Identify the population that have difficulties in performing activities due to disability;

f) Develop sampling frame on population and housing to serve as a basis for intercensal and other surveys;

g) Track the implementation of national, continental and global goals including the Coordinated Programme of Economic and Social Development Policies, 2017-2024; An Agenda for Jobs: Creating Prosperity and Equal Opportunity for All; Agenda 2063: The Africa We Want; and Transforming Our World: The 2030 Agenda for Sustainable Development; and

h) Generate and develop datasets as bases for detailed and specific researches that contribute to context-specific planning and decision making.

The intended outcomes of the 2021 PHC were to make available these datasets and information for four broad categories of users: the government, global development partners, private sector, and academics/analysts. The government is the primary and utmost user of the 2021 PHC data. The central government, policy-makers and local governments need the data to plan for the socio-economic development of the country in diverse areas including education, health, housing, and other social services for different groups of persons such as the vulnerable, marginalised as well as those with special needs. Beyond the government, results from the PHC will provide corporate Ghana, development partners and the private sector with the required data and information to facilitate innovative interventions, programmes and activities to contribute to the infrastructural and socio-economic development of the country. Furthermore, the data would serve as the base for present and future modelling of the country's development framework.

1.4.   Legal Framework

The 2021 PHC, derived its legal authority from the Statistical Service Act, 2019 (Act 1003), which stipulates inter alia, that the Service shall conduct a census of population every ten years in the month of March[1]. The Act, therefore, empowered the Government Statistician to conduct the 2021 PHC. All the census activities, namely collection, compilation and dissemination of demographic, social and economic statistics relating to the population derived their legal basis from Act 1003.

In pursuance of the dictates of the Statistical Service Act, 2019, all the field officers were educated about the responsibility of the public to provide information, and they in turn, to collect the information accordingly; as well as the relevance of adhering to the principles and dictates of the Statistical Service Act. The field officers were trained about how to execute their mandate before, during and after the 2021 PHC within the legal framework. One of the fundamental principles which informed the 2021 PHC operations and activities is the ethic of confidentiality. The knowledge that the disclosure without lawful authorisation of information obtained in the 2021 PHC is an offence liable for a fine

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[1] The Census could not be organised in March 2020 because of the COVID-19 situation in the country.

or a term of imprisonment or both, as stipulated in the Statistical Service Act, ensured confidentiality at all levels. In keeping with the ethical principle, enumerators verbally informed all respondents prior to the data collection that the data being collected would only be used by the Ghana Statistical Service for statistical purposes as stipulated in Act 1003.

In addition, the field officers complied with the section of the Act that compelled them to handle 2021 PHC documents and logistics with utmost care. Largely, the intent was achieved through two processes. The first was that all field officers were educated during the training on all matters relating to confidentiality, and attention was drawn to Clause 55 of the Act, which stipulates that:

"*Any person, who, without lawful authority, destroys, defaces or mutilates any schedule, form or other document containing particulars obtained in pursuance of the provisions of this Act shall be guilty of an offence and liable on summary conviction to a fine or to imprisonment for a term not exceeding twelve months or to both fine and imprisonment*".

The second was that all the field officers swore the Oath of Secrecy in accordance with the Statistical Service Act, 2019. They swore to uphold secrecy in the fulfilment of their assigned duties and tasks according to law in the discharge of their duties in all matters relating to the Census.

The public was also educated via the various media outlets about their responsibility to provide accurate responses during the 2021 PHC in accordance with the Act. This notwithstanding, there were few instances where, as a last resort, GSS activated the District Census Implementation Committee (DCIC) and the Ghana Police Service to persuade some persons and households to comply with the law.

1.5. E-Census

The 2021 PHC was fully digital (E-Census) with all the processes based on IT solutions. The IT platforms that were adopted are: Computer Assisted Personal Interview (CAPI) and Batch Program for Data Entry and Cleaning; Census Management Systems to integrate the activities of all the Census implementation teams on a common platform; Census Coverage System which harnessed all the Geo-Data from Demarcation and the Census Listing Data to determine physical coverage of the Census; Census Dynamic Dashboard for monitoring of fieldwork; and Census Citizens Platform for citizen engagement. These are based on three-pronged objectives: to receive data in near real-time; to correct inconsistencies associated with the data; and to release census data on time. The E-Census is consistent with the recommendations from the United Nations which stipulate that all the 2020 round of population censuses should be digitalised. The approach also addressed some of the challenges that were posed by the COVID-19 pandemic.

The IT platform was also used for recruitment of officers, instrumentation, training, mapping, logistic management, enumeration in the census, transmission and management of data, analysis, post enumeration survey and payment of funds.

1.6.   Census in COVID-19 Era

The outbreak of COVID-19 impacted the Census in diverse ways. It disrupted staff work schedules, finances, timing of recruitment, training and all related activities. This led to its postponement from March 2020 to June 2021. In response to the pandemic in general and the restrictions and associated disruption, GSS developed a Business Continuity Plan (BCP) to serve as the framework to guide the implementation of the Census. Key strategies that were put in place were with respect to staff management, resource re-mobilisation, transfer of funds, hybrid training models, adherence to COVID-19 protocols and vaccination. The BCP underscored and facilitated the implementation of the E-Census.

Staff work schedules were restructured to accommodate virtual interactions and work-from-home plans while maintaining a section to keep the offices running. Official vehicles were used to pick up some of the staff from home to work due to the partial lockdown that was imposed by the government. Moreover, activities such as meetings and consultations were done in virtual spaces.

Based on the BCP, revised financial, logistics and procurement strategies were presented to and approved by the National Census Steering Committee. Local and international partners and collaborators were further engaged to support in various ways including financial and logistic commitments. In addition, payments to suppliers and personnel contracted were done electronically.

Hybrid training models, comprising self-learning, virtual and face-to-face interactions were developed and employed at different phases of the training programme. These were adopted to train the national and regional trainers as well as field officers to ensure adherence to the social distancing protocol, and to limit travel. During the face-to-face interaction, the maximum number of participants was pegged at 40 to achieve social distancing in training rooms.

A COVID-19 prevention team was constituted to ensure that all the COVID-19 protocols were adhered to during training, meetings and the fieldwork. Running water, soap, tissue paper, hand sanitisers and face masks were provided and social distancing was observed. In addition, the Ghana Health Service was engaged to vaccinate all staff of the GSS and field officers.

1.7.   Census Organisational Structure

The Chief Census Officer who is also the Government Statistician had the overall responsibility for coordinating all the Census activities. Strategic implementation structures were set up at the national, regional and district levels. At the apex of the census organisation structure was the National Steering Committee, chaired by the Minister of Finance, and was supported by the National Publicity, Education and Advocacy Committee (NPEAC), chaired by the Minister of Information; and the National Technical Advisory Committee (NTAC) with the Governing Board of GSS providing oversight for the entire census.

The Census operation was managed by the Census Coordinating Team (CCT) comprising the Deputy Government Statisticians, UNFPA Chief Technical Advisor (CTA) and three other Technical Advisors. The implementation was organised under seven workstreams, with the National Census Secretariat performing the administrative functions. The workstreams were Census Methodology; Logistics and Finance; IT and Data Processing; Publicity, Education and Advocacy; Monitoring and Evaluation; Census Mapping and Post-Enumeration Survey.

At the regional level, 16 Regional Census Implementation Committees (RCICs) and at the district level, 272[2] District Census Implementation Committees (DCICs), chaired by the Regional and District Coordinating Directors, respectively, coordinated the exercise. For effective coordination between the national and sub-national levels, the regions were zoned into six areas and coordinated by Zonal Field Coordinators (ZFCs).

1.8.   Finance and Logistics

The main funding and logistics for the Census were provided by the Government of Ghana, and partly by the World Bank, development partners and the private sector. Funding and support came in various forms — cash, technical assistance, provision of logistics and infrastructure (offices, storage and training), and financial administration. These were mainly coordinated at the GSS Headquarters (HQ). However, the regional and district offices processed and validated payments at their respective levels. With respect to fund transfer and payment of enumerators, the Electronic Payment System (G-Money) was used. This facilitated the timely transfer of money to recipients (persons or accounts) with less costs (financial and time).

The logistics and finance workstream was constituted to ensure that the right products, and the needed quantities reached the right location safely and timely to facilitate effective and efficient training of census personnel, conduct of fieldwork, write reports and disseminate them. The workstream coordinated the distribution of census materials from GSS HQ to the regions and districts and also ensured that damaged materials were replaced expeditiously for seamless implementation of the Census.

1.9.   Publicity, Education and Advocacy

The Publicity, Education and Advocacy (PEA) workstream engaged various stakeholders; primarily, ministries, departments and agencies (GES, NCCE, GHS, Information Service Department) at the various levels of administration and governance (i.e., including MMDAs) and the private sectors for public education on the 2021 PHC. Also, religious groups and traditional authorities at the community level were contacted and they played specific roles to enhance the publicity of the 2021 PHC. The media

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[2] The Metropolitan areas were represented at the sub-metro level and this brought the total number of statistical districts to 272, as opposed to the 261 District Assemblies in the country.

(print, electronic and social media), on their part, played an important role in the publicity.

The 2021 PHC was publicised through diverse and myriad outlets to inform the public about the exercise, and their civic responsibility of allowing field officers to enter their communities and houses, and to provide the required information. The PEA workstream with its institutional partners and the media rolled out strategic programmes to enhance the communication messaging to the public regarding the 2021 PHC. Notable was the television programme that was developed to educate children about the 2021 PHC, with the expectation that they would share information with their parents and guardians; and discussions on local and international platforms to inform the local and global communities about the exercise.

PEA activities were conducted at all three phases of the exercise: during pre-enumeration, main enumeration and post-enumeration.

1.9.1. Pre-Enumeration

Two main PEA activities were conducted during the pre-enumeration stage. First, the PEA workstream led the development of key communication messages and instructional materials for information, education and communication. For instance, GSS developed a document on 100 uses of census data; a quarterly newsletter; information sheets for targeted groups; posters and flyers; census drama and advocacy videos. Secondly, public education through media outlets (print, electronic and social) were provided to create awareness, as well as to sensitise and educate the public about the importance of the 2021 PHC, and to encourage them to participate in the exercise.

1.9.2. Main Enumeration

The public education during the main enumeration covered three essential issues. First, it touched on how to identify an enumerator, and by extension, a census officer. Second, the education related to how to receive the field officer, and what households were expected to do whenever a census officer entered their premises. Third, the education and sensitisation programmes presented the general categories of questions that would be asked, and who could respond to these questions.

1.9.3. Post-Enumeration

The public education undertaken during the post-enumeration phase expressed commendations to the various segments of the public for contributing to the success of the 2021 PHC. In addition, the public was sensitised about the schedule for the release of the results, the impending Post-Enumeration Survey (PES), and the rationale for the exercise. The post- enumeration publicity on the PES appealed to the public to provide similar reception to the enumerators as they did during the main enumeration.

1.9.4. Special Events

GSS put up a series of special events to sensitise, educate and create awareness about the PHC. These included a 100-Day Countdown to the Census Night which was launched by Alhaji Dr. Mahamudu Bawumia, Vice President of Ghana; and the 30-Day Countdown to the Census Night launched by Nana Addo Dankwa Akufo-Addo, President of Ghana, and subsequently launched concurrently in all the districts by District Chief Executives. Census Night was set for mid-night of 27th June 2021 as a statistical reference point for the Census. The night signified an imaginary snapshot of the status of the population in the country at that point in time. To ensure that people remembered the night, activities were organised and celebrated concurrently at the national, regional, and all the 272 Statistical Districts in the country.

1.10.   Instruments and Procedures

GSS developed two categories of instruments for the 2021 PHC: the listing form and the enumeration instruments. The listing form was only one, while the enumeration instruments comprised six questionnaires, designated as PHC 1A, PHC 1B, PHC 1C, PHC 1D, PHC 1E and PHC 1F. The PHC 1A was the most comprehensive with the others being its subsets.

1.10.1.   Listing Form

The listing form was developed to collect data on type of structures, level of completion, whether occupied or vacant and use(s) of the structures. It was also used to collect information about the availability, number and types of toilet facilities in the structures. It was also used to capture the number of households in a structure, number of persons in households and the sex of the persons residing in the households if occupied. Finally, the listing form was used to capture data on non-household populations such as the population in institutions, floating population and sex of the non-household populations. The form was administered two weeks prior to Census Night.

1.10.2.   PHC 1A

The PHC 1A questionnaire was used to collect data from all households in the country. Primarily, it was used to capture household members and visitors who spent the Census Night in the dwelling of the household, and their relationship with the head of the household. It was also used to collect data on homeless households. Members of the households who were absent were enumerated at the place where they had spent the Census Night. The questionnaire was also used to collect the following household information: emigration; socio-demographic characteristics (sex, age, place of birth and enumeration, survival status of parents, literacy and education; economic activities; difficulty in performing activities; ownership and usage of information, technology and communication facilities; fertility; mortality; housing characteristics and conditions and sanitation.

1.10.3.   PHC 1B

The PHC 1B questionnaire was used to collect data from persons in stable institutions comprising boarding houses, hostels and prisons who were present on Census Night. Other information that was captured with this instrument are socio-demographic characteristics, literacy and education, economic activities, difficulty in performing activities; ownership and usage of information, technology and communication facilities; fertility; mortality; housing characteristics and conditions and sanitation.

1.10.4.   PHC 1C

The PHC 1C questionnaire was used to collect data from persons in "unstable" institutions such as hospitals and prayer camps who were present at these places on Census Night. The instrument was used to capture only the socio-demographic characteristics of individuals.

1.10.5.   PHC 1D

The PHC 1D questionnaire was used to collect data from the floating population. This constitutes persons who were found at airports, seaports, lorry stations and similar locations waiting for or embarking on long-distance travel, as well as outdoor sleepers on Census Night. The instrument captured the socio-demographic information of individuals.

1.10.6.   PHC 1E

All persons who spent the Census Night at hotels, motels and guest houses were enumerated using the PHC 1E. The content of the questionnaire was similar to that of the PHC 1D.

1.10.7.   PHC 1F

The PHC 1F questionnaire was administered to diplomats in the country.

1.11.   IT Operations

The 2021 PHC, being an E-Census, its execution demanded the full deployment of IT software, devices and accessories at all stages of the process among which were: census mapping, development of instruments, recruitment and training, asset management, data transmission and storage, data quality management, data processing and release, and monitoring. Tablets were procured and the Computer Assisted Personal Interview (CAPI) application was developed. Basic IT activities such as testing of the tablets and all the corresponding accessories were performed to ensure that the specifications conformed to the expected standards. In addition, three other tasks were conducted. These were tablet provisioning, asset retrieval and inventory.

1.11.1. Tablets Provisioning

The provisioning of all the tablets for the 2021 PHC involved the uploading of all required content materials for the Census onto the tablets. The contents were the instruments and other related documents such as the Field Officer's Manual, Supervisory Area (SA) and Enumeration Area (EA) maps, reference materials, etc. The team adopted four steps to provision the tablets. The first step was to prepare the tablets. This involved the acquisition of tablets and taking inventory of all tablets acquired. The second step was to pre-provision the tablets. This involved the basic configuration (e.g., resetting of dates, time, etc.) of the tablets, matching each tablet with the specification required and validating their functionality. The third step was the provisioning of the tablets. The final step was the post-provisioning. This involved labelling, preparing and distributing the tablets to specific regions and districts.

1.11.2. Assets Retrieval

After enumeration was completed, all the assets, particularly, the tablets and accessories were retrieved from the field officers at the district and regional levels. Checks were conducted to ensure that all the tablets, with the specific labels that were distributed are retrieved.

1.11.3. Stock-taking and Reconciliation

The inventory of the assets that were retrieved was conducted at the Secretariat of GSS. A series of activities were conducted: the team checked the functionality of each of the tablets; backed up all data to secure the data on an external storage device and local server; stored the tablets according to the regions and districts based on the distribution plan; reset the tablets to original status; and developed an inventory report.

1.12. Census Mapping

The 2021 PHC utilised both analogue and interactive maps to determine, identify, locate and relate with supervisory area (SA) and enumeration area (EA) localities, geographical boundaries and other notable landmarks. The production of the various maps entailed the following: preparation; recruitment and training; deployment of teams; development of maps; monitoring; re-demarcation; and administrative activities and finalisation.

1.12.1. Preparation

The GIS workstream in charge of mapping assembled all the needed materials including digital datasets, GPS devices and other logistics that were needed for the exercise. Based on the outcome, the schedule and the personnel to be recruited were also developed and determined accordingly.

1.12.2.　　Recruitment and Training

About 130 personnel were recruited and trained to conduct the mapping exercise in the country for the 2021 PHC. The personnel were trained purposely to collect data that were used as the basis for the SA and EA mapping.

1.12.3.　　Deployment of Teams

After the training, the personnel were deployed to the field in teams to collect the data on coordinates and visible features. In all, 50 teams were deployed with each team comprising two or three field officers. A team was assigned to one district at a time. Two main objectives were achieved. Firstly, the existing maps that were used in the 2010 PHC were updated to reflect the changes that had occurred between then and at the time of the exercise. For instance, in the 2010 PHC, there were 120 districts as opposed to 261 districts during the 2021 PHC. Secondly, further segmentations were done in order to arrive at desired EAs for the development of appropriate maps for the 2021 PHC.

1.12.4.　　Production of Maps

Based on the data collected from the fieldwork, analogue and interactive maps were developed. While the analogue maps provided all the details such as geographical features and landmarks in each district, the interactive maps enabled the field officers to navigate through the boundaries in their assigned EAs, SAs and districts.

1.12.5.　　Monitoring

A monitoring team was constituted to visit all the districts where GPS coordinate data, other features and landmarks were taken by the field officers. This was done for the purpose of quality assurance. The monitoring team therefore took and downloaded all the GPS coordinates to the GSS Secretariat, and the data were used to validate the ones collected earlier.

1.12.6.　　Re-Demarcation

During the mapping fieldwork, it was observed that there had been changes in the districts due to rapid structural development, population density, etc., since the 2010 PHC. As such, some of the EAs and SAs within districts were re-demarcated to make the 2021 PHC exercise manageable. In total, 51,913 EAs and 11,199 SAs were identified. The EAs formed the basis for determining the number of field officers required, their deployment as well as the procurement and distribution of logistics.

1.12.7.　　Administrative Activities

A series of interrelated administrative activities were conducted after the re-demarcation of areas and generation of maps. The first activity was editing. All the EAs that were demarcated in the 2010 PHC were accounted for in the 2021 PHC, and the re-demarcated EAs reviewed to obtain the current total number of EAs. The second activity was coding. Every EA was assigned its own 10-digit code. The third activity was

the production of the digitised prototype maps. These maps were proofread at the fourth stage. Lastly, the maps were finalised for use by the field officers.

The interactive maps were based on Google features. The 2021 PHC also made use of existing satellite images that showed features and objects on the ground –Building Footprint. The images were captured about two years before the 2021 PHC and were used as a basis for identifying features and objects on the ground.

1.13. Recruitment and Training

Recruitment and training were core to the 2021 PHC. To ensure that the right calibre of field officers was recruited and trained for this important exercise, different approaches were adopted.

1.13.1. Approach to Recruitment

GSS engaged two main streams of officers to implement the 2021 PHC. The first stream comprised Curriculum Reviewers, National Monitors, Chief Trainers, Deputy Chief Trainers, Master Trainers, National Trainers and Regional Trainers. The second was the engagement of field officers, made up of Supervisors and Enumerators. The approaches employed to select the officers ranged from institutional selection, recommendations and online application processes.

1.13.2. Curriculum Reviewers

The curriculum reviewers, 12 in number, were staff in the various universities across the country, and some selected staff of GSS with expertise in instructional material development, training and assessment. They were purposively selected based on their expertise. They developed and revised all the training documents, including the Field Officer's Manual and the Trainer's Guide; complemented the training of all the field officers by assisting with sessions on presentation skills of the trainees, assessing and selecting them for the 2021 PHC.

1.13.3. Chief Trainers and Deputy Chief Trainers

The Chief Trainers and Deputy Chief Trainers were staff of GSS and MDAs with rich experience in censuses, surveys, and fieldwork. They were purposively selected and trained to train the master trainers. The Chief Trainers and deputies were responsible for the development of the Census instruments and the training of all groups of personnel. Four Chief Trainers and eight Deputy Chief Trainers were engaged for the exercise.

1.13.4. Master Trainers

The Master Trainers comprised persons with postgraduate degrees and considerable experience in teaching and research. To assemble such persons, GSS wrote letters to the various universities to nominate persons to be considered for recruitment and training. A total of 108 Master Trainers were recruited and trained. They were subsequently engaged to train the national trainers.

1.13.5.   National Trainers

National trainers were also selected through recommendations from the universities in the country. A request was made by GSS to the universities, particularly, departments with social sciences orientation, to nominate officers to be recruited and trained. In all, 1,896 were recruited and trained and 915 were engaged to train the regional trainers.

1.13.6.   Regional Trainers

The regional trainers were made up of persons who had obtained Masters or Bachelor's degrees and had experience in teaching or training. The regional trainers applied through the Enumerator Bureau Recruitment Portal (EBRP), an online portal that was developed by GSS. In all, 8,777 persons were recruited and trained and 5,688 were engaged to train the enumerators at the district level.

1.13.7.   Enumerators and Supervisors

The enumerators constituted the last line of the mainstream field officers. Their selection was online-based through the EBRP. However, in areas where the lack of internet connectivity precluded prospective applicants from applying through the Bureau, District Census Officers (DCOs) with the DCICs provided an offline platform which was later input into the EBRP. A total of 206,358 applications were submitted via the EBRP out of which 75,050 were recruited and trained. After the training, 70,352 (59,152 enumerators and 11,200 supervisors) were selected and engaged.

1.13.8.   Other Recruitments

GSS also recruited, trained and appointed additional personnel who played supervisory and administrative roles in the statistical districts. They comprised six zonal field coordinators (ZFCs), 32 regional field supervisors (RFS), 499 district field supervisors (DFS) and 272 district census officers (DCOs). Some of the ZFCs and RFS were staff at GSS HQ and regional statisticians respectively. The rest comprised staff and non-staff who applied through EBRP, were screened, selected and appointed.

Other streams of officers were recruited, based on their expertise, to support the 2021 PHC. These were data quality monitors, IT officers, field technical officers and the census administrative officers who constituted the data quality management teams (DQMTs) at the district, regional and national (HQ). Generally, these teams provided data management support to the supervisors and enumerators on the field.

1.13.9.   National Data Quality Management Team

At HQ, a national data quality management team (NDQMT) comprising two top-level staff were charged with the responsibility of recruiting, training and liaising with the regional data quality management teams (RDQMTs) and district data quality management teams (DDQMTs).

1.13.10. RDQM and DDQM

The regional data quality monitors (RDQMs) and the district data quality monitors (DDQMs) were recruited through a two-staged online assessment. Potential monitors were expected to possess expertise in computer-based applications including Excel, STATA and CS PRO. In all, 37 RDQMs and 272 DDQMs were employed. Their task was to cross-check for inconsistencies with the aim of ensuring that data collected by the enumerators were of the desired quality. One data monitor was assigned to each statistical district office while at the regional level, five each were assigned to Ashanti, Eastern and Greater Accra regions; three to Central region; two each to Bono, Bono East, Northern, Upper East, Upper West, Volta and Western regions; and one each to Ahafo, North East, Oti, Savannah and Western North.

1.13.11. NIT, RIT and DIT

Other support streams were the information technology (IT) officers at the national (NIT), regional (RIT) and district (DIT) levels. The NIT officers developed the CAPI and resolved any errors which were observed in the application. A total of 34 RIT and 449 DIT officers were recruited and trained. These included one RIT officer assigned to each region and two DIT officers assigned to each district. The DIT officers addressed CAPI and tablet-related challenges at the district level. They referred unresolved challenges to the RIT. There were two DIT officers assigned to each district and one RIT officer assigned to each region.

1.14. Approaches to Training

Three main modes of training were adopted at four levels. These were self-learning, virtual and face-to-face training modes. The first two modes were instituted in response to the restrictions that were introduced due to the emergence of the COVID-19 pandemic.

1.14.1. Self-learning

All the training materials such as the Field Officer's Manual, Trainer's Guide, presentation slides and other materials needed to train the applicants were uploaded onto the GSS website. As part of the training processes, applicants downloaded these materials and studied on their own. This was the first level of training that was used to train all the field officers. The chief trainers, master trainers, NDQM and NIT officers were only trained by the 'face-to-face' mode. Three weeks was used for the self-learning mode of training.

1.14.2. Virtual Training

The second stage after the self-learning was virtual training. GSS procured the Google Classroom and Zoom virtual platforms to train the applicants after the self-learning as the second level of training, and used it as the first level of selection of the national and regional trainers. A period of between nine and 15 days was used for this mode of training and selection. Assessments were conducted at the end of the training and trainees whose results were satisfactory were selected to participate in face-to-face training.

1.14.3. Face-to-Face Training

There were two slots of the face-to-face training. The first was the training of chief trainers, master trainers, NDQM and NIT which took place before the emergence of COVID-19. The second was the final level of training and selection of all other officers. This stage lasted for 10 days and included assessment and final selection. Qualified persons were selected for the specific positions for which they applied.

1.15. Listing of Structures

The structure listing entailed the counting of all structures in the country whether occupied or vacant, and this was conducted within two weeks prior to the Census Night. The first week was used for listing of the structures while the second week was used for mop-up. The structure listing involved three main steps. These were canvassing, assigning serial numbers to structures (chalking) and collecting information on the structure and households (listing).

1.15.1. Canvassing

Canvassing involved both enumerators and supervisors walking through their respective EAs and SAs to familiarise themselves with the areas they were assigned to work in. The exercise had two objectives. The first was to identify and interact with significant persons in the area. The second was for them to move within and around the EAs and communities and identify their boundaries, landmarks indicated on their maps, and the location of structures. During the canvassing, enumerators also planned how to use the serpentine approach for the listing of structures.

1.15.2. Structure Numbering (Chalking)

In this second stage, unique numbers composed of two parts were assigned to every structure in an EA. The first part, the 'stem' — 2021PHC/xxx/ — identifies the Census and the EA where the structure is located, and the second, a four-digit serial number assigned consecutively within the EA. This was done to identify every structure for listing and enumeration so as to ensure complete coverage of all structures as well as the persons who dwell in the occupied ones. The numbering, also known as chalking, was done in the serpentine order, and arrows used to indicate the direction to the next numbered structure. Enumerators wrote the serial numbers in conspicuous places which would be visible to other officers and household members, but would not be easily erased.

1.15.3. Listing

Listing of persons in occupied structures followed after the chalking. The exercise entailed the collection of basic information about a structure, its use and the occupants, based on the listing form.

1.16. Enumeration of Persons

The 2021 PHC collected data from different categories of groups of population in the country. All persons irrespective of their nationality were enumerated at the place where they spent the Census Night in the country. They were categorised into two: household and non-household/institutional populations. The household population comprised the persons in 'conventional' households as well as homeless households, and non-household population were categorised as stable and unstable institutional population (group quarters), floating population, persons who spent Census Night at hotels and guesthouses, and diplomats.

1.16.1. Enumeration of Persons in Households

The household population consisted of persons in conventional households and homeless persons. The categories of persons enumerated were usually members of and visitors to the household who spent the Census Night in the household, and workers who, by virtue of their work, were on duty on Census Night, such as security guards/watchmen, medical staff. The homeless population were those who slept on pavements and in make-shift structures. Due to the transient nature of their lives, those who were enumerated were given Certificate of Enumeration in order to avoid omissions and multiple counting.

1.16.2. Enumeration of Persons in Institutions

The institutional population [non-household], also known as group quarters, consisted of two broad categories: stable and unstable populations. The stable population included those in boarding schools and halls/hostels of residence at secondary and tertiary institutions, barracks, and religious communities, while the unstable population comprised persons who boarded at places such as prisons, correctional centres and health facilities. However, staff and their household members who resided in these institutions were enumerated as conventional household members.

Prior to the Census Night, field officers listed all locations of these categories of households and estimated their populations. The purpose was to plan for their enumeration to ensure that they were not omitted. The PHC 1B questionnaire and PHC 1C questionnaire were used to enumerate the stable and unstable populations, respectively. In order to avoid omission or multiple counting, persons who were enumerated were given a Certificate of Enumeration.

1.16.3. Enumeration of Floating Population

Persons identified as "floating" were enumerated using the PHC 1D, on Census Night. Prior to the Census Night, field officers engaged with organisations, institutions, offices and communities that regulate these spaces and planned the enumeration processes. To avoid omissions and multiple counting, all the floating population enumerated were issued with a Certificate of Enumeration. The floating population include those who on Census Night, slept at lorry parks, markets, filling stations, railway stations, in front of stores

and offices, on verandas, pavements, as well as those at seaports, airports, oil rigs, border posts and those who engaged in fishing and hunting and, therefore, could not spend the Census Night in their respective homes.

1.16.4. Enumeration of Persons in Hotels and Guest Houses

Persons who spent the Census Night in hotels and guest houses were enumerated with PHC 1E. Copies of the instrument were printed and deposited with the managers or receptionists of the hotels and guest houses to be filled by these occupants.

1.16.5. Enumeration of Diplomats

Diplomats (officials who represent their respective countries abroad or representatives of international organisations designated as such) were enumerated with PHC 1F. The instrument was printed and submitted to their offices through the Ministry of Foreign Affairs and Regional Integration.

1.17. Data Transmission and Storage

The transmission and storage of data was as important as their production. Dual approaches — horizontal and vertical — were developed for transmission and storage. During the fieldwork, every enumerator transmitted the data collected to their respective supervisors via Bluetooth daily (horizontal approach).

The vertical approach involved the transmission of data onto a GSS central server at the Secretariat. Enumerators, after transmitting the data to the supervisors via Bluetooth, also transmitted the data via the internet to the central server at the GSS Headquarters daily. Supervisors then in turn transmitted the data received from their enumerators via the internet to the central server at GSS Secretariat also on a daily basis. These approaches provided back-up data.

1.18. Data Quality Management

The use of CAPI and tablets was the first data quality control mechanism which allowed for data monitoring during the data collection exercise. To enhance the quality of data from the field, GSS instituted data quality management teams (DQMTs) at the national, regional and district levels to assess the quality of data in near real time.

The DDQMT monitored all the data errors, inconsistencies, missing data and duplicates, and drew the attention of the supervisors to any anomalies found, for further investigation and correction. The DDQMT also undertook spot checks and validation exercises to assure complete and quality data. In addition, there was always one DIT on the field to address IT concerns. The rover system was developed and utilised whereby a DIT met enumerators daily to address their concerns.

At the regional level, the RDQMT resolved all the data-related issues referred to it by the DDQMT. Similarly, at the national level, data-related issues that were escalated by the RDQMT were addressed by the NDQMT.

1.19.   Quality Assurance, Monitoring and Evaluation

Quality assurance, monitoring and evaluation were integrated into every aspect of the 2021 PHC. The team for this workstream ensured that all the plans relating to the 2021 PHC were implemented, monitored and evaluated in order to achieve complete coverage and generate quality data. To ensure effective monitoring and evaluation each member of the team was assigned to two work streams as a substantive officer and a support officer to facilitate experience sharing and effective coordination. The team was guided by best practices from the previous PHCs, Ghana Census of Agriculture (GCA), Household-Based Sample Surveys and the Building Footprints from satellite imagery.

Throughout the census processes, all the work plans of the various work streams were reviewed to ensure that they also conform to the schedule. To facilitate information flow during the Census quality assurance and monitoring and valuation, a reporting system was instituted. Firstly, a weekly report was sent to the Census Coordinating Team (CCT) which was part of the weekly meetings of the Monitoring and Evaluation Team. Secondly, a monthly report was also submitted to the CCT. Lastly, quarterly assessment report was also developed and shared with the CCT.

During the preparatory stage, the quality assurance and monitoring and evaluating team sampled all the logistics and materials that were procured to assess the validity and their conformity to specifications. During field data collection, a Call Centre served to daily address concerns from the public to ensure complete coverage. In addition, a profiling framework was developed and used regularly to assess the risk levels of districts, SAs, EAs and localities. This also ensured that both the field officers and the logistics were safe and secured. It also facilitated logistical and security needs and helped in addressing them.

Furthermore, 112 monitors, comprising 95 national monitors and 17 international monitors were deployed to monitor and evaluate the activities of the field officers during the Census. A situation room was set up where data were collated and posted onto a dashboard, and constantly monitored and verified. When necessary, queries were generated and sent to the field for validation and correction.

Following the main enumeration, a Post Enumeration Survey (PES) was conducted to further evaluate the validity and reliability of the data collected during the Census. Similar to the Census, all aspects of the PES were monitored and evaluated for quality assurance purposes. National monitors were also deployed to the field for on-site monitoring.

1.20.   Partnership and Collaboration

Census implementation requires partnerships. Therefore, the activities of the 2021 PHC were implemented in collaboration with both local and international partners and stakeholders. The partners and stakeholders supported in diverse ways. Notably, the local partners and stakeholders included the tertiary institutions across the country,

telecommunication companies (Telcos), Jospong Group of companies, Metropolitan/Municipal/District Assemblies (MMDAs), Ministries, Departments and Agencies (MDAs), Ghana Education Service (GES)/Ministry of Education, Ghana Health Service/Ministry of Health, Electoral Commission, religious bodies, schools and communities, security agencies and the media.

1.20.1. Local Partners and Collaborators
1.20.1.1. Tertiary institutions

The public universities across the country supported various stages of the implementation of 2021 PHC by permitting some of their academic staff to be engaged in the Census operations. The institutions also provided lecture rooms and accommodation spaces at subsidised rates for the training of census personnel.

1.20.1.2. Telecommunication companies

Three telecommunication companies (Telcos) – MTN, Vodafone and AirtelTigo – collaborated with GSS and provided an Access Point Name (APN) to enable access to internet services. They also supplied SIM cards and data to GSS at discounted cost. In addition, the three Telcos offered free SMS blasts to aid the publicity activities and MTN offered free call back ring tones

1.20.1.3. Jospong Group of Companies

The Jospong Group of Companies provided vehicles that transported logistics from the Headquarters of GSS to the statistical districts across the country. The Group, through Zoomlion, its waste management consortium, also fumigated all the training centres periodically and provided cleaning services at these centres. In addition, Zoomlion supplied personal protective equipment (PPEs) such as face masks and alcohol-based hand sanitizers to support the Census. The Group also assisted with printing of some of the training materials. These services and supplies were provided at no cost to GSS.

1.20.1.4. IPMC Ghana

IPMC Ghana supported the uploading of all the Census content materials to the 75,000 tablets. The support covered sharing of technical knowledge on how to upload the Census materials with minimal human involvement and the provision of servers with the aim of shortening the duration for the exercise without compromising accuracy.

1.20.1.5. Metropolitan/Municipal/District Assemblies

The MMDAs were key partners to the 2021 PHC. They constituted the District Census Implementation Committee which oversaw the recruitment of field officers and the implementation of the 2021 PHC. The MMDAs also created awareness, sensitised and educated the population in the various localities about the 2021 PHC with the use of mobile education vans and through the assembly members; and provided vehicles, and office and storage spaces for use in the regions and districts during the Census.

1.20.1.6. Ministries, Departments and Agencies

The MDAs played diverse collaborative roles to support the implementation of the 2021 PHC. Specifically, the Ministry of Information through the Information Service Departments at the various districts, the National Commission for Civic Education (NCCE) and other related ministries and departments partnered with GSS to provide publicity, education and advocacy for the Census.

1.20.1.7. Ghana Education Service

The Ghana Education Service (GES) supported the Census at two levels. Firstly, the GES revised the school calendar to accommodate the 2021 PHC training calendar. This was to allow for the training of Census personnel at the premises of selected basic and senior high schools across the country. Secondly, the GES through the schools provided the needed spaces, water, electricity and other logistics such as projectors and furniture for the training of the field officers at no cost to GSS.

1.20.1.8. Ghana Health Service

Through its Metropolitan/Municipal/District Directorates, the Ghana Health Service vaccinated the field officers against COVID-19 prior to the fieldwork.

1.20.1.9. Electoral Commission and West African Examination Council

As partners, the Electoral Commission (EC) and the West African Examination Council (WAEC) supported the Census with vehicles for transportation of materials, logistics and personnel. The EC also made available a number of office spaces at the district level for the 2021 PHC administrative work.

1.20.1.10. Religious bodies and traditional leaders

The churches and mosques in the country collaborated by using the pulpit and minbar respectively, for publicity, education and advocacy before and during the Census. The traditional leaders in all the communities also provided support by using existing local platforms and communication channels for the same purpose. In addition, they assisted the field officers to determine locality boundaries and to canvas difficult to reach communities.

1.20.1.11. Security agencies

The Police, Military and the Fire Service played various roles before, during and after the Census. The Police provided the needed security for the personnel, logistics and materials especially at difficult to reach communities. The Military supported with publicity and advocacy particularly within the security restricted zones, and also provided access to field officers to educate and enumerate persons in such communities. The Fire Service provided the use of the fire tenders for Census Night activities.

1.20.1.12. GCB Bank and Cal Bank

GCB Bank provided an electronic platform that was used for the payment of funds while Cal Bank provided financial assistance to support the printing of some of the training materials.

1.20.1.13. Windy Lodge Hotel

The Windy Lodge Hotel offered financial assistance for the printing of some of the training materials, particularly the Field Officer's Manual and the questionnaires.

1.20.1.14. The media

Every aspect of the 2021 PHC was made known to the general public via the print and electronic media (including social media). Several media channels partnered and collaborated with GSS to create awareness, inform and educate the public widely about the 2021 PHC activities before, during and after the field exercises. They also supported the dissemination of the reports.

1.20.2. International Partners and Collaborators

The Development Partners touted the formulation of a Census Donor's Forum. However, the COVID-19 protocols and restrictions militated against its implementation. Consequently, the following partners bilaterally supported the Census process in various ways:

1.20.2.1. UNFPA

UNFPA is the leading partner in the implementation of PHCs globally and has continued to play a key role in the conduct of Ghana 2021 PHC. Principally, UNFPA deployed a Chief Technical Advisor (CTA) to provide responsive technical assistance and oversight and ensure that every phase of the process is implemented in accordance with the United Nations Principles and Recommendations for the 2020 Round of the World PHCs programme as well as international best practices. UNFPA also provided additional support related to logistics for procurement of some of the tablets, staff capacity building, provision of GIS software and implementation of independent monitoring of the Census.

1.20.2.2. UNECA

UNECA provided technical assistance and staff capacity building in GIS applications, provisioning of the tablets and development and deployment of the enumeration tracking dashboard and Census Activity Tracker.

1.20.2.3. World Bank

The World Bank provided technical assistance and staff training on GIS applications and access to geospatial resources including satellite imagery partially used for the production of EA maps.

1.20.2.4. US Census Bureau

The US Census Bureau supported by providing the needed technical assistance and training on the CAPI development and deployment.

1.20.2.5. ONS-UK/UKAID

UKAID, through ONS, provided strategic support, including the formulation of the Census Business Continuity Plan (BCP) in response to the COVID-19 pandemic and review of various strategic documents. They also supported staff capacity building and compilation of the Preliminary and General Census reports.

1.20.2.6. IOM

IOM supported the production of thematic reports.

1.20.2.7. Statistics Denmark

Statistics Denmark trained staff to develop a statistical data bank where customised data could be generated and analysed.

1.20.2.8. Geo-referenced Infrastructure and Demographic Data for Development (GRID[3])

GRID[3] supported capacity development in GIS applications and provided technical assistance in the development of various tools for processing geospatial data and creation of hard-to-count (HTC) indices.

2. VOLUME 3F: BACKGROUND INFORMATION

Human development indicators such as productivity, inclusion and access to social services are affected by various factors, one of which is the form and severity of disability. Generally, with socio-economic development and improvement in health and standard of living, concerns about the number and proportion of persons with one form of disability or the other is increasing. This explains the inclusion of disability issues in six out of the 17 Sustainable Development Goals– SDGs 1, 4, 8, 10, 11 and 16 – emphasising the need for inclusion so as 'not to leave any one behind' and calling for action towards disaggregating data to reflect the needs of populations affected by disability challenges.

The Washington Consensus, under the auspices of the United Nations Statistical Commission, also called for inclusion of data collection on difficulties in performing certain activities in the 2020 round of censuses. One of the objectives is for countries to generate data for within and between country population-based measures on disability. Compiling such data will also help to inform efforts towards addressing meeting their needs.

The Disability Act, 2006 (Act 715), which passed 15 years ago, provides for the establishment of a National Council on Persons with Disability to coordinate the implementation of policies for persons with difficulties performing activities. Besides, Metropolitan, Municipal and District Assemblies (MMDAs) are by law required to allocate three percent of the District Assembly Common Fund (i.e., the Disability Fund) to support and empower persons with such difficulties as a social protection measure for them.

As part of efforts towards enhancing their participation in socio-economic activities, access to services and improvement in their welfare, the government launched the *Ghana Accessibility Standards for the Built Environment* to provide specifications to ensure non-discriminatory accessibility to buildings and structures for all persons. Furthermore, social protection interventions, notably the Livelihood Empowerment Against Poverty (LEAP), has been adopted to help provide cash transfers for the elderly, vulnerable and persons with severe disabilities.

The 2021 Population and Housing Census (PHC) adopted the six main functional domains of difficulty of the Washington Group on Disability Statistics, namely seeing, hearing, walking or climbing stairs, remembering or concentrating, self-care, and communication. These are functional abilities that are applicable to people of all societies and cultures, thereby restricting the concept to functional limitation(s). Thus, the 2021 PHC contains relevant data on segments of the population with different kinds of difficulties in performing activities, which are disaggregated by type of difficulty and the varying degrees of severity by sex, age, region of residence, level of education and employment status.

This report provides information on persons with difficulties in performing activities based on responses obtained only from persons in households and stable institutions, as defined under Section 1.10.3.

The next sections provide the definition of concepts, highlights of the results with charts and detailed results presented in tables.

3. DEFINITION OF CONCEPTS

3.1.   Difficulty in Seeing

This refers to challenges or problems faced by a person in perceiving, observing what is happening around him/her, or seeing even when wearing glasses or contact lenses.

3.2.   Difficulty in Hearing

Difficulty in hearing refers to challenges or problems faced by a person in distinguishing or hearing sounds from different sources in one or both ears, even when using hearing aids.

3.3.   Difficulty in Walking or Climbing Stairs

This refers to challenges or problems faced by a person in the use of the lower limbs, i.e., legs, in such a way as to propel himself/herself over the ground to get from one point to another, without the assistance of any device (wheelchair, crutches, walker, etc.) or any human.

3.4.   Difficulty in Remembering or Concentrating

It refers to challenges or problems faced by a person in the use of his/her memory to recall incidents, events, knowledge or information acquired; or mental ability to accomplish some tasks, such as reading and calculating numbers.

3.5.   Difficulty with Self-care

Difficulty with self-care refers to challenges or problems relating to a person's ability to take care of himself/herself independently, including attending to one's hygiene, washing all over the body, dressing and eating.

3.6.   Difficulty in Communicating

This refers to challenges or problems relating to a person's ability to effectively exchange information or ideas with other people using voice or signs (including sign language), or in writing.

3.7.   Severity of Difficulty

It refers to the degree of a person's (in)ability to perform a specified function or activity and is categorised as follows:

a) No difficulty – complete absence of any challenge or problem in performing a specified function or activity.
b) Some difficulty – presence of a partial or mild challenge or problem in performing a specified function or activity.
c) A lot of difficulty – acute challenge or problem in performing a specified function or activity.

d) Cannot do at all – complete or total inability to perform a specified function or activity.

4. HIGHLIGHTS OF RESULTS

The following are highlights on the population 5 years and older[3] with varying degrees of difficulty in performing an activity in the six domains:

> About 8 percent (2,098,138) of the population have varying degrees of difficulty in performing activities and is higher among females (8.8%) than males (6.7%).

FIGURE 4.1: PERCENT OF POPULATION 5 YEARS AND OLDER WITH VARYING DEGREES OF DIFFICULTY IN PERFORMING ACTIVITIES BY SEX
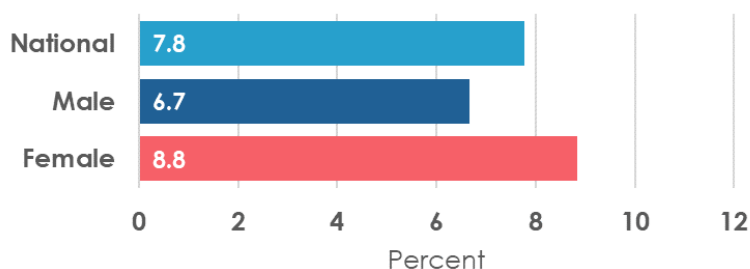
> The proportion of the population with varying degrees of difficulty in performing activities in rural areas (9.5%) is higher than in urban areas (6.5%).

FIGURE 4.2: PERCENT OF POPULATION 5 YEARS AND OLDER WITH VARYING DEGREES OF DIFFICULTY IN PERFORMING ACTIVITIES BY TYPE OF LOCALITY

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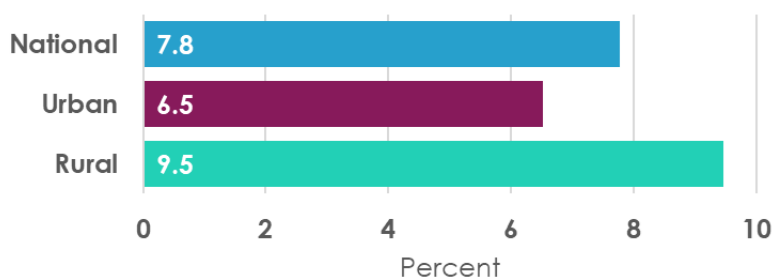
[3] Information in this report is based on responses obtained only from persons in households and stable institutions, as defined under Section 1.10.3.

The share of females among persons with varying degrees of difficulty in performing various activities is higher than for males in both rural (56.2% vs 43.8%) and urban (59.7% vs 40.3%) areas, but the difference is larger in urban areas.

FIGURE 4.3: PERSONS 5 YEARS AND OLDER WITH VARYING DEGREES OF DIFFICULTY IN PERFORMING ACTIVITIES BY TYPE OF LOCALITY AND SEX
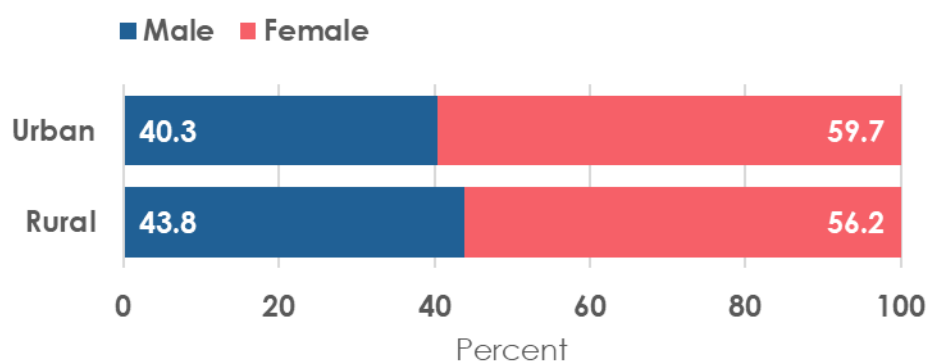
Difficulty in seeing (4.0%) has the highest prevalence among all six domains with communicating having the lowest (1.0%).

FIGURE 4.4: PERCENT OF POPULATION 5 YEARS AND OLDER BY TYPE OF DIFFICULTY IN PERFORMING ACTIVITY AND SEX
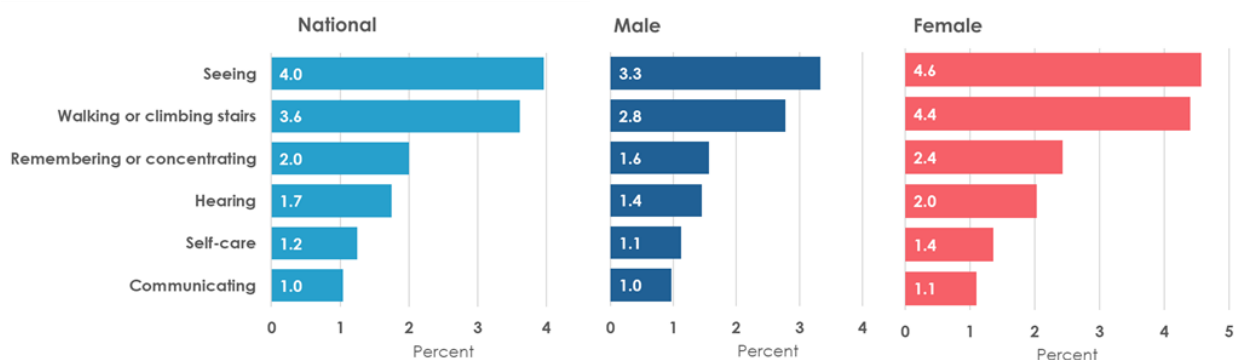
Self-care domain (8.5%) has the highest proportion of persons who cannot perform that activity at all while the lowest is remembering or concentrating (2.8%); with males having higher proportion than females in all domains.

FIGURE 4.5: PERCENT OF POPULATION 5 YEARS AND OLDER WHO CANNOT PERFORM AN ACTIVITY AT ALL BY TYPE OF DIFFICULTY AND SEX
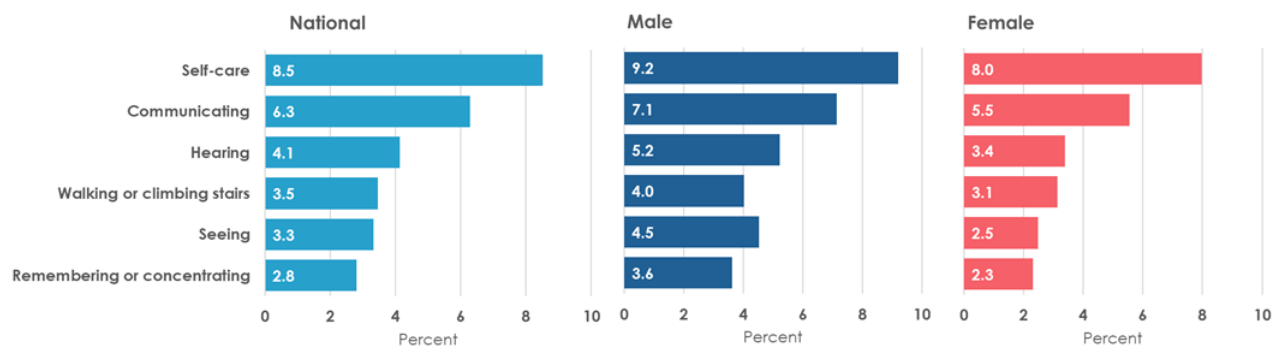
Four regions account for more than half (53.6%) the population 5 years and older with difficulty in performing an activity: Ashanti (17.3%), Greater Accra (13.5%), Eastern (12.0%) and Central (10.8%).

FIGURE 4.6: REGIONAL DISTRIBUTION OF POPULATION 5 YEARS AND OLDER WITH VARYING DEGREES OF DIFFICULTY IN PERFORMING ACTIVITIES
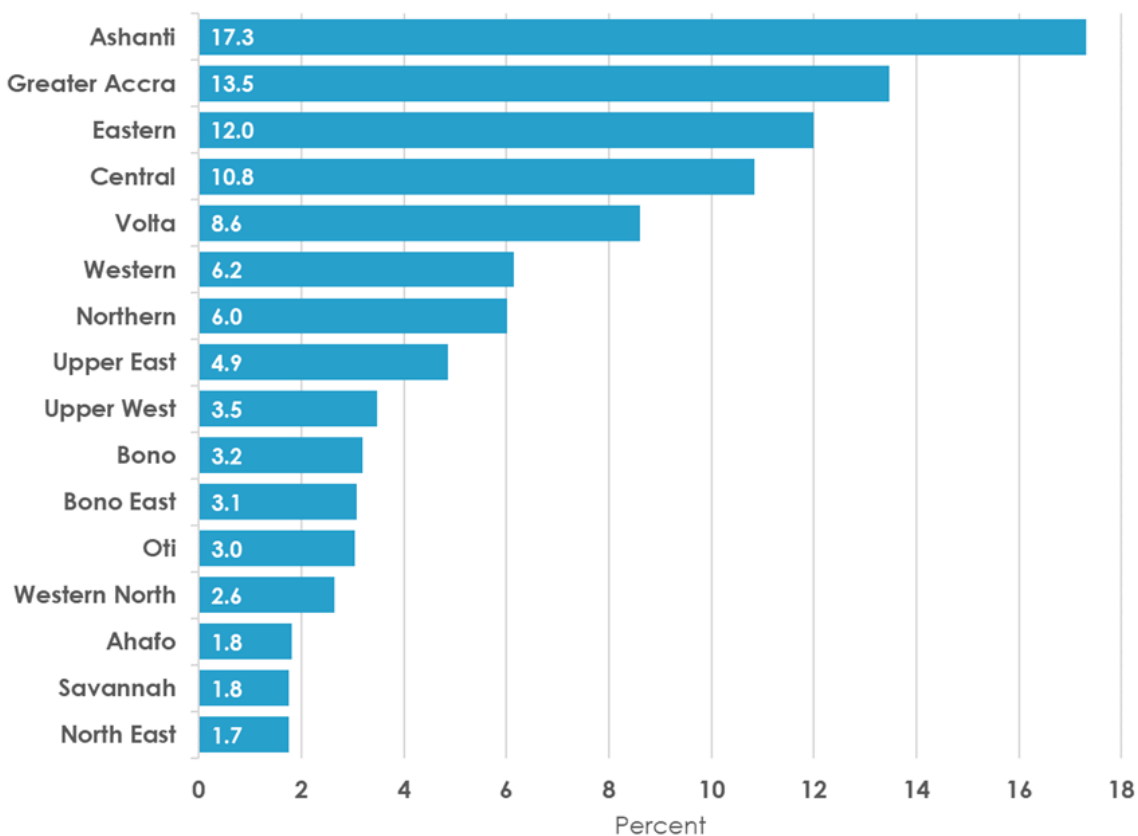
Volta Region (12.3%) has the highest proportion of its population 5 years and older with difficulty in performing at least one activity, which is more than twice that in Greater Accra (5.8%), the lowest.

FIGURE 4.7: PERCENT OF POPULATION 5 YEARS AND OLDER WITH DIFFICULTY IN PERFORMING AN ACTIVITY BY REGION
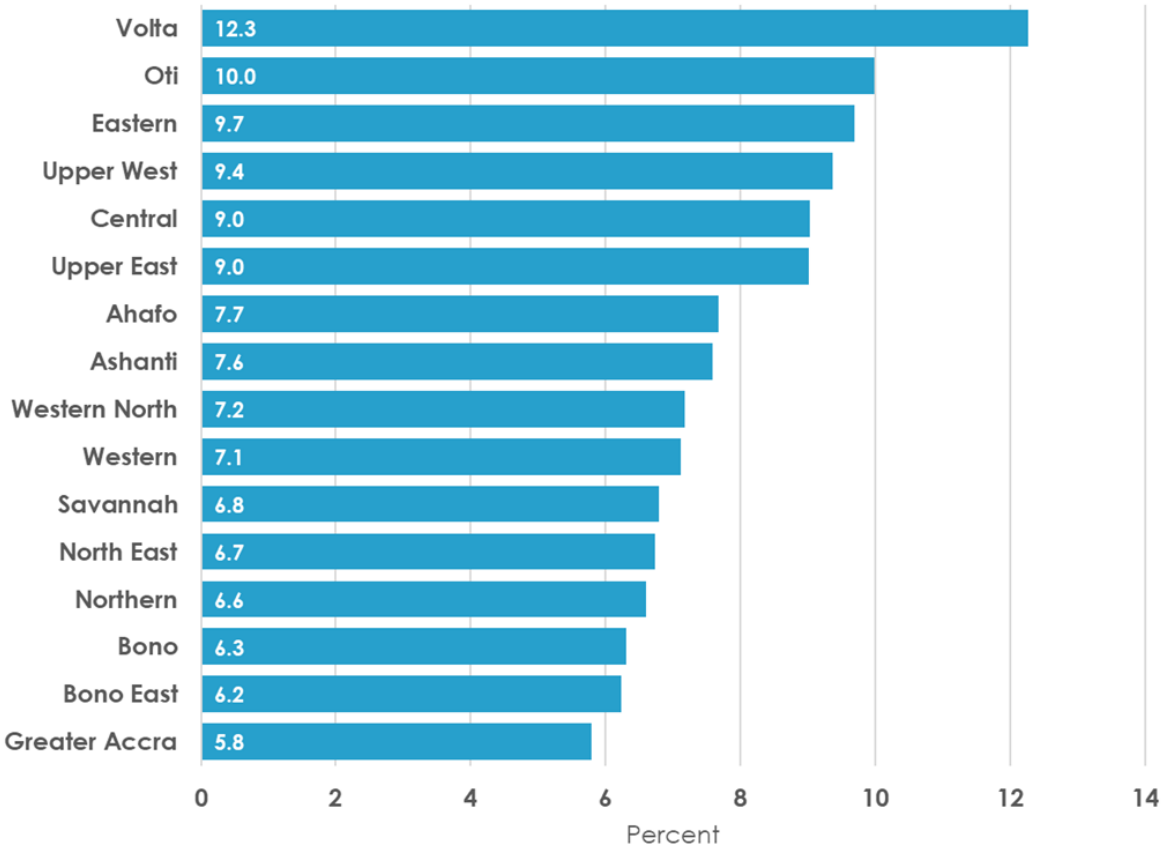
Almost half a million (477,543) representing 1.8 percent of persons 5 years and older have a lot of difficulty in performing an activity or cannot do any activity at all in at least one domain, with the proportion of females (56.6%) being higher than males (43.4%).

FIGURE 4.8: PERCENT OF POPULATION 5 YEARS AND OLDER WITH A LOT OF DIFFICULTY IN PERFORMING AN ACTIVITY OR CANNOT DO AN ACTIVITY AT ALL IN AT LEAST ONE DOMAIN BY SEX
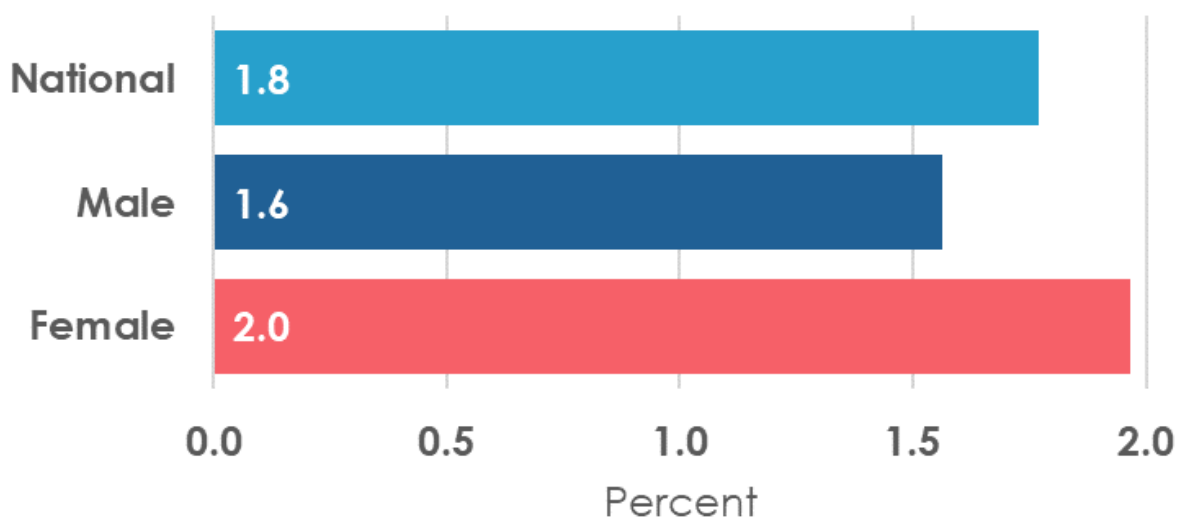
Of the population 5 years and older with varying degrees of difficulty in performing activities, a higher proportion of males than females in both urban (22.7% vs 20.8%) and rural (24.1% vs 23.7%) areas have a lot of difficulty in performing an activity or cannot do any activity at all in at least one domain.

FIGURE 4.9: PERCENT OF POPULATION 5 YEARS AND OLDER WITH VARYING DEGREES OF DIFFICULTY IN PERFORMING ACTIVITIES, WHO HAVE A LOT OF DIFFICULTY OR CANNOT DO AN ACTIVITY AT ALL IN AT LEAST ONE DOMAIN BY TYPE OF LOCALITY AND SEX
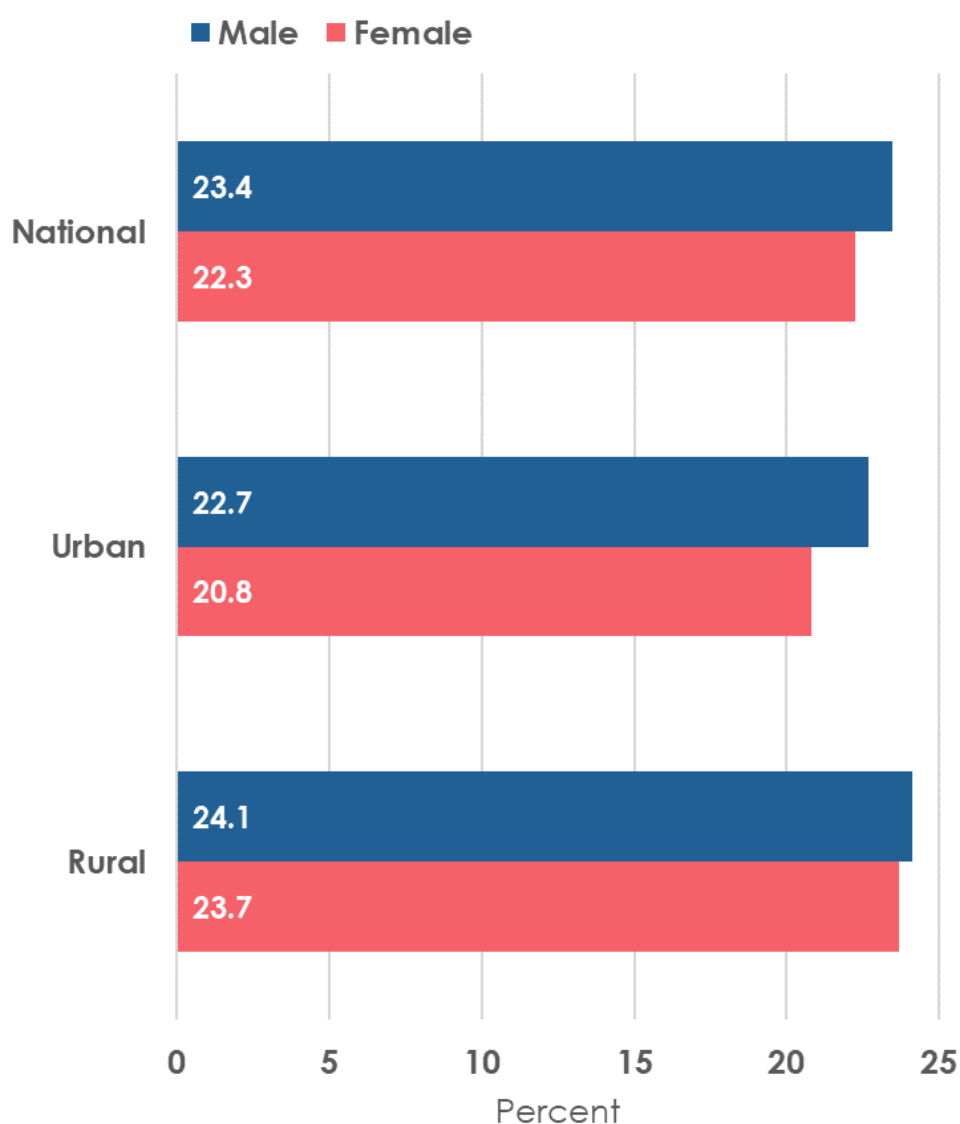
The proportion of persons aged 5-17 years with varying degrees of difficulty in performing activities is 3.0 percent, with a higher representation in rural areas (3.4%) than urban (2.7%).

FIGURE 4.10: PERCENT OF POPULATION 5- 17 YEARS WITH VARYING DEGREES OF DIFFICULTY IN PERFORMING ACTIVITIES BY TYPE OF LOCALITY
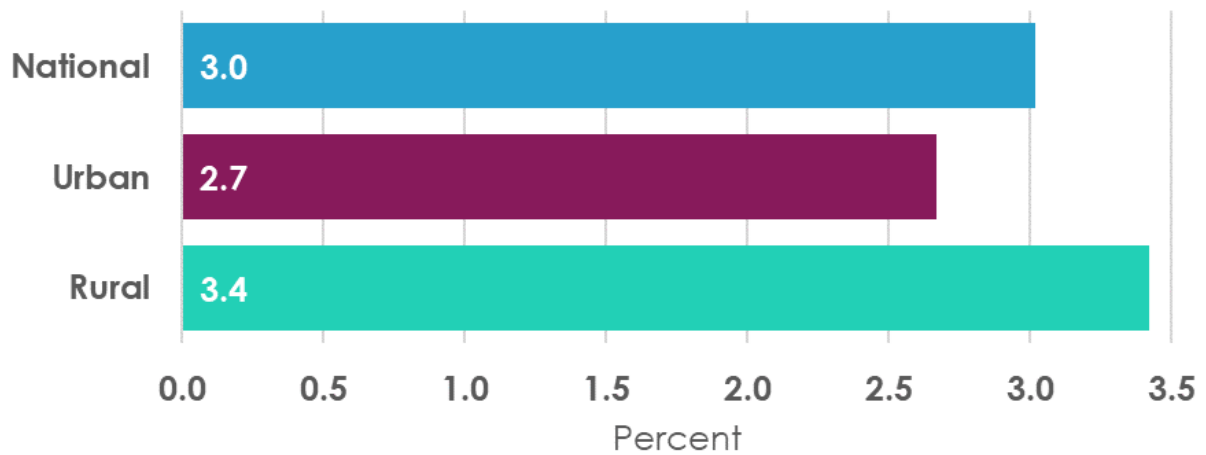
5. MAIN TABLES

TABLE 5.1: POPULATION 5 YEARS AND OLDER BY DIFFICULTY STATUS, SEX, LOCALITY TYPE, AND REGION

Difficulty status	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
All Locality Types																		
Both sexes																		
Total	26,986,540	100.0	1,815,979	2,521,817	4,883,787	1,472,864	2,594,700	4,788,598	771,720	494,937	1,064,600	1,035,163	637,842	1,907,159	542,758	544,740	1,131,516	778,360
Without difficulty	24,888,402	92.2	1,686,858	2,294,209	4,601,068	1,292,159	2,343,149	4,425,277	716,341	456,983	997,505	970,678	574,111	1,781,148	505,881	508,058	1,029,525	705,452
With difficulty	2,098,138	7.8	129,121	227,608	282,719	180,705	251,551	363,321	55,379	37,954	67,095	64,485	63,731	126,011	36,877	36,682	101,991	72,908
Male																		
Total	13,250,624	100.0	922,051	1,219,595	2,387,622	695,805	1,268,279	2,348,261	396,746	249,952	522,903	518,130	322,294	938,176	272,782	264,634	545,253	378,141
Without difficulty	12,366,518	93.3	864,983	1,129,028	2,270,065	625,435	1,162,472	2,197,703	370,137	232,914	494,344	489,125	293,273	881,505	256,144	248,379	502,912	348,099
With difficulty	884,106	6.7	57,068	90,567	117,557	70,370	105,807	150,558	26,609	17,038	28,559	29,005	29,021	56,671	16,638	16,255	42,341	30,042
Female																		
Total	13,735,916	100.0	893,928	1,302,222	2,496,165	777,059	1,326,421	2,440,337	374,974	244,985	541,697	517,033	315,548	968,983	269,976	280,106	586,263	400,219
Without difficulty	12,521,884	91.2	821,875	1,165,181	2,331,003	666,724	1,180,677	2,227,574	346,204	224,069	503,161	481,553	280,838	899,643	249,737	259,679	526,613	357,353
With difficulty	1,214,032	8.8	72,053	137,041	165,162	110,335	145,744	212,763	28,770	20,916	38,536	35,480	34,710	69,340	20,239	20,427	59,650	42,866
Urban																		
Both sexes																		
Total	15,471,357	100.0	945,958	1,467,362	4,486,737	622,907	1,345,817	2,976,497	231,994	242,904	628,075	549,003	209,963	925,223	164,742	180,991	286,411	206,773
Without difficulty	14,462,228	93.5	885,243	1,357,587	4,232,461	565,940	1,232,768	2,776,187	218,115	225,383	592,379	519,733	192,179	874,410	155,486	171,157	268,467	194,733
With difficulty	1,009,129	6.5	60,715	109,775	254,276	56,967	113,049	200,310	13,879	17,521	35,696	29,270	17,784	50,813	9,256	9,834	17,944	12,040
Male																		
Total	7,494,661	100.0	468,083	705,780	2,189,937	291,194	640,477	1,435,768	114,298	118,283	301,628	266,679	103,708	454,062	81,376	87,051	136,867	99,470
Without difficulty	7,087,638	94.6	442,841	663,278	2,084,541	269,702	596,298	1,357,198	108,288	111,313	287,233	254,406	96,004	431,855	77,460	82,901	129,659	94,661
With difficulty	407,023	5.4	25,242	42,502	105,396	21,492	44,179	78,570	6,010	6,970	14,395	12,273	7,704	22,207	3,916	4,150	7,208	4,809

Difficulty status	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Female																		
Total	7,976,696	100.0	477,875	761,582	2,296,800	331,713	705,340	1,540,729	117,696	124,621	326,447	282,324	106,255	471,161	83,366	93,940	149,544	107,303
Without difficulty	7,374,590	92.5	442,402	694,309	2,147,920	296,238	636,470	1,418,989	109,827	114,070	305,146	265,327	96,175	442,555	78,026	88,256	138,808	100,072
With difficulty	602,106	7.5	35,473	67,273	148,880	35,475	68,870	121,740	7,869	10,551	21,301	16,997	10,080	28,606	5,340	5,684	10,736	7,231
Rural																		
Both sexes																		
Total	11,515,183	100.0	870,021	1,054,455	397,050	849,957	1,248,883	1,812,101	539,726	252,033	436,525	486,160	427,879	981,936	378,016	363,749	845,105	571,587
Without difficulty	10,426,174	90.5	801,615	936,622	368,607	726,219	1,110,381	1,649,090	498,226	231,600	405,126	450,945	381,932	906,738	350,395	336,901	761,058	510,719
With difficulty	1,089,009	9.5	68,406	117,833	28,443	123,738	138,502	163,011	41,500	20,433	31,399	35,215	45,947	75,198	27,621	26,848	84,047	60,868
Male																		
Total	5,755,963	100.0	453,968	513,815	197,685	404,611	627,802	912,493	282,448	131,669	221,275	251,451	218,586	484,114	191,406	177,583	408,386	278,671
Without difficulty	5,278,880	91.7	422,142	465,750	185,524	355,733	566,174	840,505	261,849	121,601	207,111	234,719	197,269	449,650	178,684	165,478	373,253	253,438
With difficulty	477,083	8.3	31,826	48,065	12,161	48,878	61,628	71,988	20,599	10,068	14,164	16,732	21,317	34,464	12,722	12,105	35,133	25,233
Female																		
Total	5,759,220	100.0	416,053	540,640	199,365	445,346	621,081	899,608	257,278	120,364	215,250	234,709	209,293	497,822	186,610	186,166	436,719	292,916
Without difficulty	5,147,294	89.4	379,473	470,872	183,083	370,486	544,207	808,585	236,377	109,999	198,015	216,226	184,663	457,088	171,711	171,423	387,805	257,281
With difficulty	611,926	10.6	36,580	69,768	16,282	74,860	76,874	91,023	20,901	10,365	17,235	18,483	24,630	40,734	14,899	14,743	48,914	35,635

Note: With difficulty comprises persons who reported having some difficulty, a lot of difficulty and cannot do it at all in at least one of the domains (seeing, hearing, walking or climbing stairs, remembering or concentrating, self-care and communicating).

Difficulty status	All Regions		Region														
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
All Locality Types																		
Both sexes																		
Total	9,120,571	100.0	604,469	875,075	1,377,990	497,120	871,694	1,611,476	271,586	174,179	351,438	373,053	243,876	744,258	206,950	225,882	411,167	280,358
Without difficulty	8,845,009	97.0	587,807	846,704	1,347,656	479,331	841,983	1,561,165	264,567	168,552	343,830	363,696	234,315	718,922	200,334	218,495	397,284	270,368
With difficulty	275,562	3.0	16,662	28,371	30,334	17,789	29,711	50,311	7,019	5,627	7,608	9,357	9,561	25,336	6,616	7,387	13,883	9,990
Male																		
Total	4,620,162	100.0	305,982	441,165	676,835	250,867	443,193	810,664	139,959	89,456	178,471	191,942	127,065	385,013	107,543	116,500	211,675	143,832
Without difficulty	4,484,502	97.1	297,790	427,840	662,665	242,329	429,008	786,654	136,327	86,723	174,619	187,165	122,154	371,486	104,094	112,533	204,538	138,577
With difficulty	135,660	2.9	8,192	13,325	14,170	8,538	14,185	24,010	3,632	2,733	3,852	4,777	4,911	13,527	3,449	3,967	7,137	5,255
Female																		
Total	4,500,409	100.0	298,487	433,910	701,155	246,253	428,501	800,812	131,627	84,723	172,967	181,111	116,811	359,245	99,407	109,382	199,492	136,526
Without difficulty	4,360,507	96.9	290,017	418,864	684,991	237,002	412,975	774,511	128,240	81,829	169,211	176,531	112,161	347,436	96,240	105,962	192,746	131,791
With difficulty	139,902	3.1	8,470	15,046	16,164	9,251	15,526	26,301	3,387	2,894	3,756	4,580	4,650	11,809	3,167	3,420	6,746	4,735
Urban																		
Both sexes																		
Total	4,853,801	100.0	299,644	486,712	1,241,175	202,675	436,440	952,873	75,417	80,031	197,787	188,657	77,379	327,321	57,778	69,475	95,629	64,808
Without difficulty	4,724,251	97.3	292,091	472,724	1,214,473	196,399	421,914	923,965	73,654	77,327	193,845	184,404	74,687	318,386	56,330	67,908	93,134	63,010
With difficulty	129,550	2.7	7,553	13,988	26,702	6,276	14,526	28,908	1,763	2,704	3,942	4,253	2,692	8,935	1,448	1,567	2,495	1,798
Male																		
Total	2,399,998	100.0	148,204	241,747	607,180	99,434	214,984	470,436	37,591	39,877	98,555	94,512	38,836	165,630	29,046	35,155	47,429	31,382
Without difficulty	2,339,809	97.5	144,653	235,393	594,847	96,567	208,635	457,273	36,727	38,643	96,656	92,446	37,548	160,906	28,320	34,360	46,306	30,529
With difficulty	60,189	2.5	3,551	6,354	12,333	2,867	6,349	13,163	864	1,234	1,899	2,066	1,288	4,724	726	795	1,123	853
Female																		
Total	2,453,803	100.0	151,440	244,965	633,995	103,241	221,456	482,437	37,826	40,154	99,232	94,145	38,543	161,691	28,732	34,320	48,200	33,426
Without difficulty	2,384,442	97.2	147,438	237,331	619,626	99,832	213,279	466,692	36,927	38,684	97,189	91,958	37,139	157,480	28,010	33,548	46,828	32,481
With difficulty	69,361	2.8	4,002	7,634	14,369	3,409	8,177	15,745	899	1,470	2,043	2,187	1,404	4,211	722	772	1,372	945
Rural																		
Both sexes																		
Total	4,266,770	100.0	304,825	388,363	136,815	294,445	435,254	658,603	196,169	94,148	153,651	184,396	166,497	416,937	149,172	156,407	315,538	215,550

Difficulty status	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Without difficulty	4,120,758	96.6	295,716	373,980	133,183	282,932	420,069	637,200	190,913	91,225	149,985	179,292	159,628	400,536	144,004	150,587	304,150	207,358
With difficulty	146,012	3.4	9,109	14,383	3,632	11,513	15,185	21,403	5,256	2,923	3,666	5,104	6,869	16,401	5,168	5,820	11,388	8,192
Male																		
Total	2,220,164	100.0	157,778	199,418	69,655	151,433	228,209	340,228	102,368	49,579	79,916	97,430	88,229	219,383	78,497	81,345	164,246	112,450
Without difficulty	2,144,693	96.6	153,137	192,447	67,818	145,762	220,373	329,381	99,600	48,080	77,963	94,719	84,606	210,580	75,774	78,173	158,232	108,048
With difficulty	75,471	3.4	4,641	6,971	1,837	5,671	7,836	10,847	2,768	1,499	1,953	2,711	3,623	8,803	2,723	3,172	6,014	4,402
Female																		
Total	2,046,606	100.0	147,047	188,945	67,160	143,012	207,045	318,375	93,801	44,569	73,735	86,966	78,268	197,554	70,675	75,062	151,292	103,100
Without difficulty	1,976,065	96.6	142,579	181,533	65,365	137,170	199,696	307,819	91,313	43,145	72,022	84,573	75,022	189,956	68,230	72,414	145,918	99,310
With difficulty	70,541	3.4	4,468	7,412	1,795	5,842	7,349	10,556	2,488	1,424	1,713	2,393	3,246	7,598	2,445	2,648	5,374	3,790

Note: With difficulty comprises persons who reported having some difficulty, a lot of difficulty and cannot do it at all in at least one of the domains (seeing, hearing, walking or climbing stairs, remembering or concentrating, self-care and communicating).

TABLE 5.3: POPULATION 5 YEARS AND OLDER BY TYPE AND SEVERITY OF DIFFICULTY, SEX, LOCALITY TYPE, AND REGION

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
All Locality Types																		
Both Sexes																		
Seeing	**26,986,540**	**100.0**	**1,815,979**	**2,521,817**	**4,883,787**	**1,472,864**	**2,594,700**	**4,788,598**	**771,720**	**494,937**	**1,064,600**	**1,035,163**	**637,842**	**1,907,159**	**542,758**	**544,740**	**1,131,516**	**778,360**
No difficulty	25,917,168	96.0	1,748,722	2,398,987	4,728,200	1,371,531	2,467,650	4,606,419	744,086	475,813	1,031,771	1,003,628	605,991	1,853,292	526,638	529,091	1,082,852	742,497
Some difficulty	910,981	3.4	57,271	104,966	138,212	84,921	106,442	155,138	23,569	16,429	28,211	27,016	26,909	45,967	13,512	12,923	39,722	29,773
A lot of difficulty	122,749	0.5	7,565	14,699	13,562	13,855	15,937	20,543	3,123	1,952	3,346	3,237	4,035	5,794	1,789	1,891	7,127	4,294
Cannot do at all	35,642	0.1	2,421	3,165	3,813	2,557	4,671	6,498	942	743	1,272	1,282	907	2,106	819	835	1,815	1,796
Hearing	**26,986,540**	**100.0**	**1,815,979**	**2,521,817**	**4,883,787**	**1,472,864**	**2,594,700**	**4,788,598**	**771,720**	**494,937**	**1,064,600**	**1,035,163**	**637,842**	**1,907,159**	**542,758**	**544,740**	**1,131,516**	**778,360**
No difficulty	26,515,803	98.3	1,791,061	2,477,293	4,834,857	1,433,600	2,541,460	4,712,292	759,537	486,254	1,048,221	1,019,863	623,594	1,869,742	531,284	533,602	1,099,019	754,124
Some difficulty	385,794	1.4	20,081	36,092	41,431	31,565	42,357	62,634	10,066	6,837	13,650	12,710	11,778	31,587	9,710	9,157	26,017	20,122
A lot of difficulty	65,495	0.2	3,443	6,407	5,328	6,119	8,346	10,515	1,686	1,141	2,105	2,017	2,051	4,831	1,400	1,559	5,290	3,257
Cannot do at all	19,448	0.1	1,394	2,025	2,171	1,580	2,537	3,157	431	705	624	573	419	999	364	422	1,190	857
Walking or climbing stairs	**26,986,540**	**100.0**	**1,815,979**	**2,521,817**	**4,883,787**	**1,472,864**	**2,594,700**	**4,788,598**	**771,720**	**494,937**	**1,064,600**	**1,035,163**	**637,842**	**1,907,159**	**542,758**	**544,740**	**1,131,516**	**778,360**
No difficulty	26,012,969	96.4	1,755,418	2,416,279	4,757,482	1,382,274	2,472,642	4,625,203	748,218	480,053	1,034,354	1,007,981	609,526	1,848,734	524,895	528,124	1,082,373	739,413
Some difficulty	725,220	2.7	44,502	77,706	95,146	64,403	89,197	122,450	18,004	11,357	22,328	20,410	21,107	45,950	13,665	13,133	36,719	29,143
A lot of difficulty	214,573	0.8	13,939	24,135	26,830	22,472	28,238	35,167	4,765	3,010	6,708	5,825	6,419	10,894	3,650	2,981	11,017	8,523
Cannot do at all	33,778	0.1	2,120	3,697	4,329	3,715	4,623	5,778	733	517	1,210	947	790	1,581	548	502	1,407	1,281
Remembering or concentrating	**26,986,540**	**100.0**	**1,815,979**	**2,521,817**	**4,883,787**	**1,472,864**	**2,594,700**	**4,788,598**	**771,720**	**494,937**	**1,064,600**	**1,035,163**	**637,842**	**1,907,159**	**542,758**	**544,740**	**1,131,516**	**778,360**
No difficulty	26,445,803	98.0	1,786,772	2,462,171	4,821,121	1,413,857	2,525,968	4,699,847	757,603	485,132	1,048,086	1,020,057	620,170	1,874,949	533,478	535,509	1,101,733	759,350
Some difficulty	437,078	1.6	23,469	48,509	52,192	46,700	54,542	70,407	11,428	7,872	13,255	12,114	14,236	27,302	7,797	7,555	24,084	15,616
A lot of difficulty	88,463	0.3	4,777	9,783	8,747	10,741	12,212	15,599	2,286	1,619	2,745	2,419	3,051	4,137	1,231	1,354	4,941	2,821
Cannot do at all	15,196	0.1	961	1,354	1,727	1,566	1,978	2,745	403	314	514	573	385	771	252	322	758	573
Self-care	**26,986,540**	**100.0**	**1,815,979**	**2,521,817**	**4,883,787**	**1,472,864**	**2,594,700**	**4,788,598**	**771,720**	**494,937**	**1,064,600**	**1,035,163**	**637,842**	**1,907,159**	**542,758**	**544,740**	**1,131,516**	**778,360**
No difficulty	26,650,773	98.8	1,797,071	2,489,370	4,837,003	1,443,053	2,556,304	4,733,338	764,355	489,939	1,053,872	1,026,085	629,205	1,883,301	535,778	537,840	1,110,485	763,774
Some difficulty	242,656	0.9	13,604	23,173	33,972	20,465	26,777	38,960	5,386	3,615	7,747	6,405	6,159	18,660	5,528	5,338	15,890	10,977

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
A lot of difficulty	64,513	0.2	3,715	6,451	9,060	5,959	7,716	11,020	1,376	930	2,047	1,796	1,795	3,777	1,039	1,114	4,006	2,712
Cannot do at all	28,598	0.1	1,589	2,823	3,752	3,387	3,903	5,280	603	453	934	877	683	1,421	413	448	1,135	897
Communicating	**26,986,540**	**100.0**	**1,815,979**	**2,521,817**	**4,883,787**	**1,472,864**	**2,594,700**	**4,788,598**	**771,720**	**494,937**	**1,064,600**	**1,035,163**	**637,842**	**1,907,159**	**542,758**	**544,740**	**1,131,516**	**778,360**
No difficulty	26,706,722	99.0	1,798,722	2,493,477	4,848,062	1,449,529	2,562,240	4,742,907	764,934	490,128	1,055,437	1,027,456	630,474	1,886,739	537,080	539,034	1,114,152	766,351
Some difficulty	207,784	0.8	12,729	20,681	27,302	16,634	23,347	33,398	5,008	3,268	6,777	5,521	5,347	16,461	4,589	4,404	13,102	9,216
A lot of difficulty	54,457	0.2	3,387	5,859	6,251	5,097	6,843	9,325	1,288	1,208	1,854	1,562	1,552	3,079	807	891	3,310	2,144
Cannot do at all	17,577	0.1	1,141	1,800	2,172	1,604	2,270	2,968	490	333	532	624	469	880	282	411	952	649
Male																		
Seeing	**13,250,624**	**100.0**	**922,051**	**1,219,595**	**2,387,622**	**695,805**	**1,268,279**	**2,348,261**	**396,746**	**249,952**	**522,903**	**518,130**	**322,294**	**938,176**	**272,782**	**264,634**	**545,253**	**378,141**
No difficulty	12,809,319	96.7	892,754	1,171,751	2,323,761	657,414	1,215,158	2,274,472	383,281	241,458	509,178	504,207	307,710	913,690	265,760	257,705	526,702	364,318
Some difficulty	370,359	2.8	24,582	40,325	55,816	31,792	43,752	61,867	11,394	7,224	11,654	11,748	12,139	20,638	5,825	5,634	14,764	11,205
A lot of difficulty	50,931	0.4	3,225	5,754	5,775	5,350	6,752	8,355	1,485	840	1,360	1,413	1,899	2,608	756	831	2,872	1,656
Cannot do at all	20,015	0.2	1,490	1,765	2,270	1,249	2,617	3,567	586	430	711	762	546	1,240	441	464	915	962
Hearing	**13,250,624**	**100.0**	**922,051**	**1,219,595**	**2,387,622**	**695,805**	**1,268,279**	**2,348,261**	**396,746**	**249,952**	**522,903**	**518,130**	**322,294**	**938,176**	**272,782**	**264,634**	**545,253**	**378,141**
No difficulty	13,058,535	98.6	911,073	1,201,977	2,366,852	681,387	1,246,337	2,317,482	391,002	246,167	516,396	511,487	316,045	922,529	267,929	259,955	532,821	369,096
Some difficulty	154,845	1.2	8,673	13,990	17,300	11,403	17,103	24,840	4,722	2,850	5,351	5,453	5,110	13,093	4,120	3,785	9,703	7,349
A lot of difficulty	27,210	0.2	1,549	2,564	2,389	2,285	3,576	4,327	793	529	812	884	937	1,997	549	660	2,097	1,262
Cannot do at all	10,034	0.1	756	1,064	1,081	730	1,263	1,612	229	406	344	306	202	557	184	234	632	434
Walking or climbing stairs	**13,250,624**	**100.0**	**922,051**	**1,219,595**	**2,387,622**	**695,805**	**1,268,279**	**2,348,261**	**396,746**	**249,952**	**522,903**	**518,130**	**322,294**	**938,176**	**272,782**	**264,634**	**545,253**	**378,141**
No difficulty	12,882,096	97.2	898,071	1,182,257	2,340,695	664,310	1,221,731	2,287,256	386,390	243,807	511,151	506,863	310,766	915,065	265,476	258,092	526,379	363,787
Some difficulty	269,427	2.0	17,602	27,050	34,263	21,940	33,497	44,850	7,908	4,637	8,522	8,282	8,462	17,891	5,545	5,033	13,511	10,434
A lot of difficulty	84,244	0.6	5,458	8,747	10,615	8,020	11,043	13,666	2,083	1,282	2,721	2,543	2,716	4,534	1,514	1,250	4,703	3,349
Cannot do at all	14,857	0.1	920	1,541	2,049	1,535	2,008	2,489	365	226	509	442	350	686	247	259	660	571
Remembering or concentrating	**13,250,624**	**100.0**	**922,051**	**1,219,595**	**2,387,622**	**695,805**	**1,268,279**	**2,348,261**	**396,746**	**249,952**	**522,903**	**518,130**	**322,294**	**938,176**	**272,782**	**264,634**	**545,253**	**378,141**
No difficulty	13,043,436	98.4	910,235	1,198,267	2,363,164	675,687	1,242,951	2,315,306	390,605	245,946	516,404	511,960	315,186	924,213	268,739	260,733	533,388	370,652
Some difficulty	164,866	1.2	9,406	17,177	19,923	15,688	19,850	25,590	4,970	3,176	5,061	4,844	5,683	11,772	3,367	3,137	9,264	5,958
A lot of difficulty	34,810	0.3	1,908	3,512	3,671	3,712	4,538	6,029	958	660	1,179	1,021	1,231	1,805	545	596	2,204	1,241
Cannot do at all	7,512	0.1	502	639	864	718	940	1,336	213	170	259	305	194	386	131	168	397	290

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**13,250,624**	**100.0**	**922,051**	**1,219,595**	**2,387,622**	**695,805**	**1,268,279**	**2,348,261**	**396,746**	**249,952**	**522,903**	**518,130**	**322,294**	**938,176**	**272,782**	**264,634**	**545,253**	**378,141**
No difficulty	13,101,880	98.9	913,576	1,205,869	2,366,880	683,666	1,251,228	2,323,615	393,108	247,632	517,987	513,773	318,275	927,312	269,568	261,390	536,099	371,902
Some difficulty	104,677	0.8	6,029	9,563	14,642	7,922	11,557	16,924	2,619	1,663	3,484	3,008	2,785	8,298	2,526	2,432	6,692	4,533
A lot of difficulty	30,381	0.2	1,701	2,886	4,288	2,683	3,662	5,228	695	438	977	887	883	1,836	475	575	1,895	1,272
Cannot do at all	13,686	0.1	745	1,277	1,812	1,534	1,832	2,494	324	219	455	462	351	730	213	237	567	434
Communicating	**13,250,624**	**100.0**	**922,051**	**1,219,595**	**2,387,622**	**695,805**	**1,268,279**	**2,348,261**	**396,746**	**249,952**	**522,903**	**518,130**	**322,294**	**938,176**	**272,782**	**264,634**	**545,253**	**378,141**
No difficulty	13,121,890	99.0	913,768	1,206,996	2,370,853	685,969	1,253,709	2,327,459	393,252	247,616	518,637	514,338	318,650	928,427	270,094	261,925	537,404	372,793
Some difficulty	92,963	0.7	6,005	8,910	12,550	6,749	10,033	14,791	2,574	1,497	3,046	2,668	2,569	7,670	2,160	2,045	5,718	3,978
A lot of difficulty	26,571	0.2	1,671	2,757	3,061	2,286	3,398	4,457	654	676	925	794	822	1,612	376	438	1,616	1,028
Cannot do at all	9,200	0.1	607	932	1,158	801	1,139	1,554	266	163	295	330	253	467	152	226	515	342
Female																		
Seeing	**13,735,916**	**100.0**	**893,928**	**1,302,222**	**2,496,165**	**777,059**	**1,326,421**	**2,440,337**	**374,974**	**244,985**	**541,697**	**517,033**	**315,548**	**968,983**	**269,976**	**280,106**	**586,263**	**400,219**
No difficulty	13,107,849	95.4	855,968	1,227,236	2,404,439	714,117	1,252,492	2,331,947	360,805	234,355	522,593	499,421	298,281	939,602	260,878	271,386	556,150	378,179
Some difficulty	540,622	3.9	32,689	64,641	82,396	53,129	62,690	93,271	12,175	9,205	16,557	15,268	14,770	25,329	7,687	7,289	24,958	18,568
A lot of difficulty	71,818	0.5	4,340	8,945	7,787	8,505	9,185	12,188	1,638	1,112	1,986	1,824	2,136	3,186	1,033	1,060	4,255	2,638
Cannot do at all	15,627	0.1	931	1,400	1,543	1,308	2,054	2,931	356	313	561	520	361	866	378	371	900	834
Hearing	**13,735,916**	**100.0**	**893,928**	**1,302,222**	**2,496,165**	**777,059**	**1,326,421**	**2,440,337**	**374,974**	**244,985**	**541,697**	**517,033**	**315,548**	**968,983**	**269,976**	**280,106**	**586,263**	**400,219**
No difficulty	13,457,268	98.0	879,988	1,275,316	2,468,005	752,213	1,295,123	2,394,810	368,535	240,087	531,825	508,376	307,549	947,213	263,355	273,647	566,198	385,028
Some difficulty	230,949	1.7	11,408	22,102	24,131	20,162	25,254	37,794	5,344	3,987	8,299	7,257	6,668	18,494	5,590	5,372	16,314	12,773
A lot of difficulty	38,285	0.3	1,894	3,843	2,939	3,834	4,770	6,188	893	612	1,293	1,133	1,114	2,834	851	899	3,193	1,995
Cannot do at all	9,414	0.1	638	961	1,090	850	1,274	1,545	202	299	280	267	217	442	180	188	558	423
Walking or climbing stairs	**13,735,916**	**100.0**	**893,928**	**1,302,222**	**2,496,165**	**777,059**	**1,326,421**	**2,440,337**	**374,974**	**244,985**	**541,697**	**517,033**	**315,548**	**968,983**	**269,976**	**280,106**	**586,263**	**400,219**
No difficulty	13,130,873	95.6	857,347	1,234,022	2,416,787	717,964	1,250,911	2,337,947	361,828	236,246	523,203	501,118	298,760	933,669	259,419	270,032	555,994	375,626
Some difficulty	455,793	3.3	26,900	50,656	60,883	42,463	55,700	77,600	10,096	6,720	13,806	12,128	12,645	28,059	8,120	8,100	23,208	18,709
A lot of difficulty	130,329	0.9	8,481	15,388	16,215	14,452	17,195	21,501	2,682	1,728	3,987	3,282	3,703	6,360	2,136	1,731	6,314	5,174
Cannot do at all	18,921	0.1	1,200	2,156	2,280	2,180	2,615	3,289	368	291	701	505	440	895	301	243	747	710
Remembering or concentrating	**13,735,916**	**100.0**	**893,928**	**1,302,222**	**2,496,165**	**777,059**	**1,326,421**	**2,440,337**	**374,974**	**244,985**	**541,697**	**517,033**	**315,548**	**968,983**	**269,976**	**280,106**	**586,263**	**400,219**
No difficulty	13,402,367	97.6	876,537	1,263,904	2,457,957	738,170	1,283,017	2,384,541	366,998	239,186	531,682	508,097	304,984	950,736	264,739	274,776	568,345	388,698
Some difficulty	272,212	2.0	14,063	31,332	32,269	31,012	34,692	44,817	6,458	4,696	8,194	7,270	8,553	15,530	4,430	4,418	14,820	9,658
A lot of difficulty	53,653	0.4	2,869	6,271	5,076	7,029	7,674	9,570	1,328	959	1,566	1,398	1,820	2,332	686	758	2,737	1,580
Cannot do at all	7,684	0.1	459	715	863	848	1,038	1,409	190	144	255	268	191	385	121	154	361	283

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**13,735,916**	**100.0**	**893,928**	**1,302,222**	**2,496,165**	**777,059**	**1,326,421**	**2,440,337**	**374,974**	**244,985**	**541,697**	**517,033**	**315,548**	**968,983**	**269,976**	**280,106**	**586,263**	**400,219**
No difficulty	13,548,893	98.6	883,495	1,283,501	2,470,123	759,387	1,305,076	2,409,723	371,247	242,307	535,885	512,312	310,930	955,989	266,210	276,450	574,386	391,872
Some difficulty	137,979	1.0	7,575	13,610	19,330	12,543	15,220	22,036	2,767	1,952	4,263	3,397	3,374	10,362	3,002	2,906	9,198	6,444
A lot of difficulty	34,132	0.2	2,014	3,565	4,772	3,276	4,054	5,792	681	492	1,070	909	912	1,941	564	539	2,111	1,440
Cannot do at all	14,912	0.1	844	1,546	1,940	1,853	2,071	2,786	279	234	479	415	332	691	200	211	568	463
Communicating	**13,735,916**	**100.0**	**893,928**	**1,302,222**	**2,496,165**	**777,059**	**1,326,421**	**2,440,337**	**374,974**	**244,985**	**541,697**	**517,033**	**315,548**	**968,983**	**269,976**	**280,106**	**586,263**	**400,219**
No difficulty	13,584,832	98.9	884,954	1,286,481	2,477,209	763,560	1,308,531	2,415,448	371,682	242,512	536,800	513,118	311,824	958,312	266,986	277,109	576,748	393,558
Some difficulty	114,821	0.8	6,724	11,771	14,752	9,885	13,314	18,607	2,434	1,771	3,731	2,853	2,778	8,791	2,429	2,359	7,384	5,238
A lot of difficulty	27,886	0.2	1,716	3,102	3,190	2,811	3,445	4,868	634	532	929	768	730	1,467	431	453	1,694	1,116
Cannot do at all	8,377	0.1	534	868	1,014	803	1,131	1,414	224	170	237	294	216	413	130	185	437	307
Urban																		
Both Sexes																		
Seeing	**15,471,357**	**100.0**	**945,958**	**1,467,362**	**4,486,737**	**622,907**	**1,345,817**	**2,976,497**	**231,994**	**242,904**	**628,075**	**549,003**	**209,963**	**925,223**	**164,742**	**180,991**	**286,411**	**206,773**
No difficulty	14,947,372	96.6	912,378	1,406,925	4,346,475	592,050	1,289,400	2,874,307	225,068	233,925	610,479	534,450	201,155	903,924	160,570	176,750	278,627	200,889
Some difficulty	453,609	2.9	29,090	52,547	125,040	26,394	47,344	87,875	5,938	7,648	15,073	12,405	7,554	18,156	3,478	3,562	6,559	4,946
A lot of difficulty	52,961	0.3	3,350	6,394	11,792	3,591	6,664	10,542	722	923	1,825	1,497	999	2,210	481	433	973	565
Cannot do at all	17,415	0.1	1,140	1,496	3,430	872	2,409	3,773	266	408	698	651	255	933	213	246	252	373
Hearing	**15,471,357**	**100.0**	**945,958**	**1,467,362**	**4,486,737**	**622,907**	**1,345,817**	**2,976,497**	**231,994**	**242,904**	**628,075**	**549,003**	**209,963**	**925,223**	**164,742**	**180,991**	**286,411**	**206,773**
No difficulty	15,265,798	98.7	934,664	1,446,350	4,442,875	610,591	1,321,876	2,936,063	228,949	238,817	619,616	542,551	206,289	911,609	162,182	178,138	281,638	203,590
Some difficulty	169,408	1.1	9,167	17,184	37,286	9,970	18,892	33,328	2,521	3,024	7,076	5,335	3,136	11,408	2,139	2,420	3,920	2,602
A lot of difficulty	26,419	0.2	1,391	2,750	4,665	1,655	3,774	5,380	421	530	1,057	853	447	1,805	335	318	678	360
Cannot do at all	9,732	0.1	736	1,078	1,911	691	1,275	1,726	103	533	326	264	91	401	86	115	175	221
Walking or climbing stairs	**15,471,357**	**100.0**	**945,958**	**1,467,362**	**4,486,737**	**622,907**	**1,345,817**	**2,976,497**	**231,994**	**242,904**	**628,075**	**549,003**	**209,963**	**925,223**	**164,742**	**180,991**	**286,411**	**206,773**
No difficulty	15,012,161	97.0	918,067	1,418,221	4,373,313	594,870	1,290,465	2,887,703	225,713	235,889	611,790	536,582	202,270	901,695	160,168	176,100	278,201	201,114
Some difficulty	341,250	2.2	20,520	36,466	85,690	20,155	40,110	66,426	4,752	5,143	11,865	9,153	5,665	17,769	3,367	3,875	6,117	4,177
A lot of difficulty	101,403	0.7	6,400	10,893	23,925	6,729	13,064	19,084	1,325	1,579	3,729	2,774	1,815	5,012	1,076	859	1,839	1,300
Cannot do at all	16,543	0.1	971	1,782	3,809	1,153	2,178	3,284	204	293	691	494	213	747	131	157	254	182
Remembering or concentrating	**15,471,357**	**100.0**	**945,958**	**1,467,362**	**4,486,737**	**622,907**	**1,345,817**	**2,976,497**	**231,994**	**242,904**	**628,075**	**549,003**	**209,963**	**925,223**	**164,742**	**180,991**	**286,411**	**206,773**
No difficulty	15,234,012	98.5	933,583	1,441,343	4,431,376	605,681	1,317,686	2,931,592	228,635	238,641	619,612	542,183	205,403	912,116	162,575	178,565	281,077	203,944
Some difficulty	193,327	1.2	9,841	21,360	46,287	13,802	22,468	35,705	2,775	3,423	6,754	5,449	3,813	11,072	1,821	2,005	4,421	2,331
A lot of difficulty	37,129	0.2	2,113	3,981	7,581	2,941	4,835	7,701	505	702	1,438	1,111	648	1,742	295	341	768	427
Cannot do at all	6,889	0.0	421	678	1,493	483	828	1,499	79	138	271	260	99	293	51	80	145	71

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**15,471,357**	**100.0**	**945,958**	**1,467,362**	**4,486,737**	**622,907**	**1,345,817**	**2,976,497**	**231,994**	**242,904**	**628,075**	**549,003**	**209,963**	**925,223**	**164,742**	**180,991**	**286,411**	**206,773**
No difficulty	15,306,215	98.9	936,746	1,451,000	4,444,284	612,694	1,327,810	2,944,421	229,703	240,389	621,993	544,781	207,623	915,174	163,012	179,223	282,786	204,576
Some difficulty	118,605	0.8	6,575	11,652	30,944	7,132	12,543	22,580	1,759	1,769	4,359	2,891	1,701	7,554	1,369	1,405	2,761	1,611
A lot of difficulty	32,367	0.2	1,841	3,284	8,221	2,001	3,696	6,416	374	515	1,186	921	468	1,806	265	259	669	445
Cannot do at all	14,170	0.1	796	1,426	3,288	1,080	1,768	3,080	158	231	537	410	171	689	96	104	195	141
Communicating	**15,471,357**	**100.0**	**945,958**	**1,467,362**	**4,486,737**	**622,907**	**1,345,817**	**2,976,497**	**231,994**	**242,904**	**628,075**	**549,003**	**209,963**	**925,223**	**164,742**	**180,991**	**286,411**	**206,773**
No difficulty	15,338,615	99.1	938,176	1,453,654	4,454,858	615,245	1,330,915	2,951,083	230,193	240,493	623,096	545,517	207,987	916,462	163,269	179,442	283,510	204,715
Some difficulty	99,200	0.6	5,691	10,113	24,494	5,584	10,891	18,707	1,380	1,534	3,690	2,474	1,490	7,022	1,204	1,202	2,166	1,558
A lot of difficulty	25,426	0.2	1,588	2,710	5,495	1,565	3,083	5,077	313	718	1,007	740	376	1,414	206	242	574	318
Cannot do at all	8,116	0.1	503	885	1,890	513	928	1,630	108	159	282	272	110	325	63	105	161	182
Male																		
Seeing	**7,494,661**	**100.0**	**468,083**	**705,780**	**2,189,937**	**291,194**	**640,477**	**1,435,768**	**114,298**	**118,283**	**301,628**	**266,679**	**103,708**	**454,062**	**81,376**	**87,051**	**136,867**	**99,470**
No difficulty	7,288,710	97.3	454,532	683,102	2,132,564	280,033	618,835	1,397,126	111,348	114,831	294,799	260,795	99,874	444,718	79,700	85,230	134,016	97,207
Some difficulty	175,171	2.3	11,568	19,447	50,321	9,449	17,731	32,532	2,487	2,905	5,762	4,906	3,217	7,849	1,369	1,477	2,336	1,815
A lot of difficulty	21,045	0.3	1,291	2,382	4,997	1,306	2,622	4,108	308	333	702	604	460	948	192	192	376	224
Cannot do at all	9,735	0.1	692	849	2,055	406	1,289	2,002	155	214	365	374	157	547	115	152	139	224
Hearing	**7,494,661**	**100.0**	**468,083**	**705,780**	**2,189,937**	**291,194**	**640,477**	**1,435,768**	**114,298**	**118,283**	**301,628**	**266,679**	**103,708**	**454,062**	**81,376**	**87,051**	**136,867**	**99,470**
No difficulty	7,413,023	98.9	463,273	697,615	2,171,307	286,718	631,116	1,420,158	112,995	116,685	298,502	264,042	102,167	448,687	80,395	85,940	135,121	98,302
Some difficulty	65,874	0.9	3,791	6,529	15,583	3,546	7,153	12,630	1,050	1,097	2,569	2,133	1,293	4,463	804	926	1,398	909
A lot of difficulty	10,732	0.1	592	1,052	2,095	589	1,598	2,105	196	206	386	357	198	681	142	122	259	154
Cannot do at all	5,032	0.1	427	584	952	341	610	875	57	295	171	147	50	231	35	63	89	105
Walking or climbing stairs	**7,494,661**	**100.0**	**468,083**	**705,780**	**2,189,937**	**291,194**	**640,477**	**1,435,768**	**114,298**	**118,283**	**301,628**	**266,679**	**103,708**	**454,062**	**81,376**	**87,051**	**136,867**	**99,470**
No difficulty	7,329,125	97.8	457,671	689,011	2,147,886	281,739	620,956	1,404,538	111,856	115,783	295,598	261,858	100,769	445,211	79,689	85,218	133,864	97,478
Some difficulty	119,983	1.6	7,611	12,149	30,780	6,645	13,795	22,757	1,820	1,828	4,250	3,468	2,099	6,588	1,230	1,399	2,158	1,406
A lot of difficulty	38,384	0.5	2,371	3,861	9,457	2,362	4,817	7,109	534	557	1,483	1,136	749	1,949	407	346	744	502
Cannot do at all	7,169	0.1	430	759	1,814	448	909	1,364	88	115	297	217	91	314	50	88	101	84
Remembering or concentrating	**7,494,661**	**100.0**	**468,083**	**705,780**	**2,189,937**	**291,194**	**640,477**	**1,435,768**	**114,298**	**118,283**	**301,628**	**266,679**	**103,708**	**454,062**	**81,376**	**87,051**	**136,867**	**99,470**
No difficulty	7,406,850	98.8	463,354	696,593	2,168,248	285,365	630,908	1,419,790	112,972	116,799	298,501	264,073	102,014	448,476	80,479	86,095	134,760	98,423
Some difficulty	69,711	0.9	3,641	7,399	17,725	4,551	7,389	12,289	1,062	1,174	2,373	2,011	1,387	4,692	729	767	1,701	821
A lot of difficulty	14,659	0.2	852	1,458	3,213	1,045	1,781	2,984	231	241	613	449	251	737	140	141	331	192
Cannot do at all	3,441	0.0	236	330	751	233	399	705	33	69	141	146	56	157	28	48	75	34

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**7,494,661**	**100.0**	**468,083**	**705,780**	**2,189,937**	**291,194**	**640,477**	**1,435,768**	**114,298**	**118,283**	**301,628**	**266,679**	**103,708**	**454,062**	**81,376**	**87,051**	**136,867**	**99,470**
No difficulty	7,422,885	99.0	464,050	699,051	2,171,174	287,078	632,771	1,421,819	113,257	117,251	298,863	264,722	102,649	449,487	80,585	86,254	135,331	98,543
Some difficulty	50,187	0.7	2,820	4,643	13,299	2,781	5,201	9,565	789	728	1,936	1,293	731	3,370	617	602	1,155	657
A lot of difficulty	14,994	0.2	849	1,439	3,886	890	1,706	2,990	179	206	569	460	234	842	121	138	286	199
Cannot do at all	6,595	0.1	364	647	1,578	445	799	1,394	73	98	260	204	94	363	53	57	95	71
Communicating	**7,494,661**	**100.0**	**468,083**	**705,780**	**2,189,937**	**291,194**	**640,477**	**1,435,768**	**114,298**	**118,283**	**301,628**	**266,679**	**103,708**	**454,062**	**81,376**	**87,051**	**136,867**	**99,470**
No difficulty	7,434,519	99.2	464,420	699,761	2,175,009	287,998	634,085	1,424,502	113,428	117,199	299,382	264,994	102,761	449,848	80,685	86,346	135,546	98,555
Some difficulty	43,491	0.6	2,604	4,270	11,231	2,239	4,416	8,064	649	629	1,575	1,155	680	3,273	552	529	954	671
A lot of difficulty	12,349	0.2	767	1,251	2,695	697	1,499	2,363	163	391	515	377	206	762	108	121	283	151
Cannot do at all	4,302	0.1	292	498	1,002	260	477	839	58	64	156	153	61	179	31	55	84	93
Female																		
Seeing	**7,976,696**	**100.0**	**477,875**	**761,582**	**2,296,800**	**331,713**	**705,340**	**1,540,729**	**117,696**	**124,621**	**326,447**	**282,324**	**106,255**	**471,161**	**83,366**	**93,940**	**149,544**	**107,303**
No difficulty	7,658,662	96.0	457,846	723,823	2,213,911	312,017	670,565	1,477,181	113,720	119,094	315,680	273,655	101,281	459,206	80,870	91,520	144,611	103,682
Some difficulty	278,438	3.5	17,522	33,100	74,719	16,945	29,613	55,343	3,451	4,743	9,311	7,499	4,337	10,307	2,109	2,085	4,223	3,131
A lot of difficulty	31,916	0.4	2,059	4,012	6,795	2,285	4,042	6,434	414	590	1,123	893	539	1,262	289	241	597	341
Cannot do at all	7,680	0.1	448	647	1,375	466	1,120	1,771	111	194	333	277	98	386	98	94	113	149
Hearing	**7,976,696**	**100.0**	**477,875**	**761,582**	**2,296,800**	**331,713**	**705,340**	**1,540,729**	**117,696**	**124,621**	**326,447**	**282,324**	**106,255**	**471,161**	**83,366**	**93,940**	**149,544**	**107,303**
No difficulty	7,852,775	98.4	471,391	748,735	2,271,568	323,873	690,760	1,515,905	115,954	122,132	321,114	278,509	104,122	462,922	81,787	92,198	146,517	105,288
Some difficulty	103,534	1.3	5,376	10,655	21,703	6,424	11,739	20,698	1,471	1,927	4,507	3,202	1,843	6,945	1,335	1,494	2,522	1,693
A lot of difficulty	15,687	0.2	799	1,698	2,570	1,066	2,176	3,275	225	324	671	496	249	1,124	193	196	419	206
Cannot do at all	4,700	0.1	309	494	959	350	665	851	46	238	155	117	41	170	51	52	86	116
Walking or climbing stairs	**7,976,696**	**100.0**	**477,875**	**761,582**	**2,296,800**	**331,713**	**705,340**	**1,540,729**	**117,696**	**124,621**	**326,447**	**282,324**	**106,255**	**471,161**	**83,366**	**93,940**	**149,544**	**107,303**
No difficulty	7,683,036	96.3	460,396	729,210	2,225,427	313,131	669,509	1,483,165	113,857	120,106	316,192	274,724	101,501	456,484	80,479	90,882	144,337	103,636
Some difficulty	221,267	2.8	12,909	24,317	54,910	13,510	26,315	43,669	2,932	3,315	7,615	5,685	3,566	11,181	2,137	2,476	3,959	2,771
A lot of difficulty	63,019	0.8	4,029	7,032	14,468	4,367	8,247	11,975	791	1,022	2,246	1,638	1,066	3,063	669	513	1,095	798
Cannot do at all	9,374	0.1	541	1,023	1,995	705	1,269	1,920	116	178	394	277	122	433	81	69	153	98
Remembering or concentrating	**7,976,696**	**100.0**	**477,875**	**761,582**	**2,296,800**	**331,713**	**705,340**	**1,540,729**	**117,696**	**124,621**	**326,447**	**282,324**	**106,255**	**471,161**	**83,366**	**93,940**	**149,544**	**107,303**
No difficulty	7,827,162	98.1	470,229	744,750	2,263,128	320,316	686,778	1,511,802	115,663	121,842	321,111	278,110	103,389	463,640	82,096	92,470	146,317	105,521
Some difficulty	123,616	1.5	6,200	13,961	28,562	9,251	15,079	23,416	1,713	2,249	4,381	3,438	2,426	6,380	1,092	1,238	2,720	1,510
A lot of difficulty	22,470	0.3	1,261	2,523	4,368	1,896	3,054	4,717	274	461	825	662	397	1,005	155	200	437	235
Cannot do at all	3,448	0.0	185	348	742	250	429	794	46	69	130	114	43	136	23	32	70	37

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**7,976,696**	**100.0**	**477,875**	**761,582**	**2,296,800**	**331,713**	**705,340**	**1,540,729**	**117,696**	**124,621**	**326,447**	**282,324**	**106,255**	**471,161**	**83,366**	**93,940**	**149,544**	**107,303**
No difficulty	7,883,330	98.8	472,696	751,949	2,273,110	325,616	695,039	1,522,602	116,446	123,138	323,130	280,059	104,974	465,687	82,427	92,969	147,455	106,033
Some difficulty	68,418	0.9	3,755	7,009	17,645	4,351	7,342	13,015	970	1,041	2,423	1,598	970	4,184	752	803	1,606	954
A lot of difficulty	17,373	0.2	992	1,845	4,335	1,111	1,990	3,426	195	309	617	461	234	964	144	121	383	246
Cannot do at all	7,575	0.1	432	779	1,710	635	969	1,686	85	133	277	206	77	326	43	47	100	70
Communicating	**7,976,696**	**100.0**	**477,875**	**761,582**	**2,296,800**	**331,713**	**705,340**	**1,540,729**	**117,696**	**124,621**	**326,447**	**282,324**	**106,255**	**471,161**	**83,366**	**93,940**	**149,544**	**107,303**
No difficulty	7,904,096	99.1	473,756	753,893	2,279,849	327,247	696,830	1,526,581	116,765	123,294	323,714	280,523	105,226	466,614	82,584	93,096	147,964	106,160
Some difficulty	55,709	0.7	3,087	5,843	13,263	3,345	6,475	10,643	731	905	2,115	1,319	810	3,749	652	673	1,212	887
A lot of difficulty	13,077	0.2	821	1,459	2,800	868	1,584	2,714	150	327	492	363	170	652	98	121	291	167
Cannot do at all	3,814	0.0	211	387	888	253	451	791	50	95	126	119	49	146	32	50	77	89
Rural																		
Both Sexes																		
Seeing	**11,515,183**	**100.0**	**870,021**	**1,054,455**	**397,050**	**849,957**	**1,248,883**	**1,812,101**	**539,726**	**252,033**	**436,525**	**486,160**	**427,879**	**981,936**	**378,016**	**363,749**	**845,105**	**571,587**
No difficulty	10,969,796	95.3	836,344	992,062	381,725	779,481	1,178,250	1,732,112	519,018	241,888	421,292	469,178	404,836	949,368	366,068	352,341	804,225	541,608
Some difficulty	457,372	4.0	28,181	52,419	13,172	58,527	59,098	67,263	17,631	8,781	13,138	14,611	19,355	27,811	10,034	9,361	33,163	24,827
A lot of difficulty	69,788	0.6	4,215	8,305	1,770	10,264	9,273	10,001	2,401	1,029	1,521	1,740	3,036	3,584	1,308	1,458	6,154	3,729
Cannot do at all	18,227	0.2	1,281	1,669	383	1,685	2,262	2,725	676	335	574	631	652	1,173	606	589	1,563	1,423
Hearing	**11,515,183**	**100.0**	**870,021**	**1,054,455**	**397,050**	**849,957**	**1,248,883**	**1,812,101**	**539,726**	**252,033**	**436,525**	**486,160**	**427,879**	**981,936**	**378,016**	**363,749**	**845,105**	**571,587**
No difficulty	11,250,005	97.7	856,397	1,030,943	391,982	823,009	1,219,584	1,776,229	530,588	247,437	428,605	477,312	417,305	958,133	369,102	355,464	817,381	550,534
Some difficulty	216,386	1.9	10,914	18,908	4,145	21,595	23,465	29,306	7,545	3,813	6,574	7,375	8,642	20,179	7,571	6,737	22,097	17,520
A lot of difficulty	39,076	0.3	2,052	3,657	663	4,464	4,572	5,135	1,265	611	1,048	1,164	1,604	3,026	1,065	1,241	4,612	2,897
Cannot do at all	9,716	0.1	658	947	260	889	1,262	1,431	328	172	298	309	328	598	278	307	1,015	636
Walking or climbing stairs	**11,515,183**	**100.0**	**870,021**	**1,054,455**	**397,050**	**849,957**	**1,248,883**	**1,812,101**	**539,726**	**252,033**	**436,525**	**486,160**	**427,879**	**981,936**	**378,016**	**363,749**	**845,105**	**571,587**
No difficulty	11,000,808	95.5	837,351	998,058	384,169	787,404	1,182,177	1,737,500	522,505	244,164	422,564	471,399	407,256	947,039	364,727	352,024	804,172	538,299
Some difficulty	383,970	3.3	23,982	41,240	9,456	44,248	49,087	56,024	13,252	6,214	10,463	11,257	15,442	28,181	10,298	9,258	30,602	24,966
A lot of difficulty	113,170	1.0	7,539	13,242	2,905	15,743	15,174	16,083	3,440	1,431	2,979	3,051	4,604	5,882	2,574	2,122	9,178	7,223
Cannot do at all	17,235	0.1	1,149	1,915	520	2,562	2,445	2,494	529	224	519	453	577	834	417	345	1,153	1,099
Remembering or concentrating	**11,515,183**	**100.0**	**870,021**	**1,054,455**	**397,050**	**849,957**	**1,248,883**	**1,812,101**	**539,726**	**252,033**	**436,525**	**486,160**	**427,879**	**981,936**	**378,016**	**363,749**	**845,105**	**571,587**
No difficulty	11,211,791	97.4	853,189	1,020,828	389,745	808,176	1,208,282	1,768,255	528,968	246,491	428,474	477,874	414,767	962,833	370,903	356,944	820,656	555,406
Some difficulty	243,751	2.1	13,628	27,149	5,905	32,898	32,074	34,702	8,653	4,449	6,501	6,665	10,423	16,230	5,976	5,550	19,663	13,285
A lot of difficulty	51,334	0.4	2,664	5,802	1,166	7,800	7,377	7,898	1,781	917	1,307	1,308	2,403	2,395	936	1,013	4,173	2,394

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Cannot do at all	**8,307**	**0.1**	**540**	**676**	**234**	**1,083**	**1,150**	**1,246**	**324**	**176**	**243**	**313**	**286**	**478**	**201**	**242**	**613**	**502**
Self-care	11,515,183	100.0	870,021	1,054,455	397,050	849,957	1,248,883	1,812,101	539,726	252,033	436,525	486,160	427,879	981,936	378,016	363,749	845,105	571,587
No difficulty	11,344,558	98.5	860,325	1,038,370	392,719	830,359	1,228,494	1,788,917	534,652	249,550	431,879	481,304	421,582	968,127	372,766	358,617	827,699	559,198
Some difficulty	124,051	1.1	7,029	11,521	3,028	13,333	14,234	16,380	3,627	1,846	3,388	3,514	4,458	11,106	4,159	3,933	13,129	9,366
A lot of difficulty	32,146	0.3	1,874	3,167	839	3,958	4,020	4,604	1,002	415	861	875	1,327	1,971	774	855	3,337	2,267
Cannot do at all	14,428	0.1	793	1,397	464	2,307	2,135	2,200	445	222	397	467	512	732	317	344	940	756
Communicating	**11,515,183**	**100.0**	**870,021**	**1,054,455**	**397,050**	**849,957**	**1,248,883**	**1,812,101**	**539,726**	**252,033**	**436,525**	**486,160**	**427,879**	**981,936**	**378,016**	**363,749**	**845,105**	**571,587**
No difficulty	11,368,107	98.7	860,546	1,039,823	393,204	834,284	1,231,325	1,791,824	534,741	249,635	432,341	481,939	422,487	970,277	373,811	359,592	830,642	561,636
Some difficulty	108,584	0.9	7,038	10,568	2,808	11,050	12,456	14,691	3,628	1,734	3,087	3,047	3,857	9,439	3,385	3,202	10,936	7,658
A lot of difficulty	29,031	0.3	1,799	3,149	756	3,532	3,760	4,248	975	490	847	822	1,176	1,665	601	649	2,736	1,826
Cannot do at all	9,461	0.1	638	915	282	1,091	1,342	1,338	382	174	250	352	359	555	219	306	791	467
Male																		
Seeing	**5,755,963**	**100.0**	**453,968**	**513,815**	**197,685**	**404,611**	**627,802**	**912,493**	**282,448**	**131,669**	**221,275**	**251,451**	**218,586**	**484,114**	**191,406**	**177,583**	**408,386**	**278,671**
No difficulty	5,520,609	95.9	438,222	488,649	191,197	377,381	596,323	877,346	271,933	126,627	214,379	243,412	207,836	468,972	186,060	172,475	392,686	267,111
Some difficulty	195,188	3.4	13,014	20,878	5,495	22,343	26,021	29,335	8,907	4,319	5,892	6,842	8,922	12,789	4,456	4,157	12,428	9,390
A lot of difficulty	29,886	0.5	1,934	3,372	778	4,044	4,130	4,247	1,177	507	658	809	1,439	1,660	564	639	2,496	1,432
Cannot do at all	10,280	0.2	798	916	215	843	1,328	1,565	431	216	346	388	389	693	326	312	776	738
Hearing	**5,755,963**	**100.0**	**453,968**	**513,815**	**197,685**	**404,611**	**627,802**	**912,493**	**282,448**	**131,669**	**221,275**	**251,451**	**218,586**	**484,114**	**191,406**	**177,583**	**408,386**	**278,671**
No difficulty	5,645,512	98.1	447,800	504,362	195,545	394,669	615,221	897,324	278,007	129,482	217,894	247,445	213,878	473,842	187,534	174,015	397,700	270,794
Some difficulty	88,971	1.5	4,882	7,461	1,717	7,857	9,950	12,210	3,672	1,753	2,782	3,320	3,817	8,630	3,316	2,859	8,305	6,440
A lot of difficulty	16,478	0.3	957	1,512	294	1,696	1,978	2,222	597	323	426	527	739	1,316	407	538	1,838	1,108
Cannot do at all	5,002	0.1	329	480	129	389	653	737	172	111	173	159	152	326	149	171	543	329
Walking or climbing stairs	**5,755,963**	**100.0**	**453,968**	**513,815**	**197,685**	**404,611**	**627,802**	**912,493**	**282,448**	**131,669**	**221,275**	**251,451**	**218,586**	**484,114**	**191,406**	**177,583**	**408,386**	**278,671**
No difficulty	5,552,971	96.5	440,400	493,246	192,809	382,571	600,775	882,718	274,534	128,024	215,553	245,005	209,997	469,854	185,787	172,874	392,515	266,309
Some difficulty	149,444	2.6	9,991	14,901	3,483	15,295	19,702	22,093	6,088	2,809	4,272	4,814	6,363	11,303	4,315	3,634	11,353	9,028
A lot of difficulty	45,860	0.8	3,087	4,886	1,158	5,658	6,226	6,557	1,549	725	1,238	1,407	1,967	2,585	1,107	904	3,959	2,847
Cannot do at all	7,688	0.1	490	782	235	1,087	1,099	1,125	277	111	212	225	259	372	197	171	559	487
Remembering or concentrating	**5,755,963**	**100.0**	**453,968**	**513,815**	**197,685**	**404,611**	**627,802**	**912,493**	**282,448**	**131,669**	**221,275**	**251,451**	**218,586**	**484,114**	**191,406**	**177,583**	**408,386**	**278,671**
No difficulty	5,636,586	97.9	446,881	501,674	194,916	390,322	612,043	895,516	277,633	129,147	217,903	247,887	213,172	475,737	188,260	174,638	398,628	272,229
Some difficulty	95,155	1.7	5,765	9,778	2,198	11,137	12,461	13,301	3,908	2,002	2,688	2,833	4,296	7,080	2,638	2,370	7,563	5,137
A lot of difficulty	20,151	0.4	1,056	2,054	458	2,667	2,757	3,045	727	419	566	572	980	1,068	405	455	1,873	1,049
Cannot do at all	4,071	0.1	266	309	113	485	541	631	180	101	118	159	138	229	103	120	322	256

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**5,755,963**	**100.0**	**453,968**	**513,815**	**197,685**	**404,611**	**627,802**	**912,493**	**282,448**	**131,669**	**221,275**	**251,451**	**218,586**	**484,114**	**191,406**	**177,583**	**408,386**	**278,671**
No difficulty	5,678,995	98.7	449,526	506,818	195,706	396,588	618,457	901,796	279,851	130,381	219,124	249,051	215,626	477,825	188,983	175,136	400,768	273,359
Some difficulty	54,490	0.9	3,209	4,920	1,343	5,141	6,356	7,359	1,830	935	1,548	1,715	2,054	4,928	1,909	1,830	5,537	3,876
A lot of difficulty	15,387	0.3	852	1,447	402	1,793	1,956	2,238	516	232	408	427	649	994	354	437	1,609	1,073
Cannot do at all	7,091	0.1	381	630	234	1,089	1,033	1,100	251	121	195	258	257	367	160	180	472	363
Communicating	**5,755,963**	**100.0**	**453,968**	**513,815**	**197,685**	**404,611**	**627,802**	**912,493**	**282,448**	**131,669**	**221,275**	**251,451**	**218,586**	**484,114**	**191,406**	**177,583**	**408,386**	**278,671**
No difficulty	5,687,371	98.8	449,348	507,235	195,844	397,971	619,624	902,957	279,824	130,417	219,255	249,344	215,889	478,579	189,409	175,579	401,858	274,238
Some difficulty	49,472	0.9	3,401	4,640	1,319	4,510	5,617	6,727	1,925	868	1,471	1,513	1,889	4,397	1,608	1,516	4,764	3,307
A lot of difficulty	14,222	0.2	904	1,506	366	1,589	1,899	2,094	491	285	410	417	616	850	268	317	1,333	877
Cannot do at all	4,898	0.1	315	434	156	541	662	715	208	99	139	177	192	288	121	171	431	249
Female																		
Seeing	**5,759,220**	**100.0**	**416,053**	**540,640**	**199,365**	**445,346**	**621,081**	**899,608**	**257,278**	**120,364**	**215,250**	**234,709**	**209,293**	**497,822**	**186,610**	**186,166**	**436,719**	**292,916**
No difficulty	5,449,187	94.6	398,122	503,413	190,528	402,100	581,927	854,766	247,085	115,261	206,913	225,766	197,000	480,396	180,008	179,866	411,539	274,497
Some difficulty	262,184	4.6	15,167	31,541	7,677	36,184	33,077	37,928	8,724	4,462	7,246	7,769	10,433	15,022	5,578	5,204	20,735	15,437
A lot of difficulty	39,902	0.7	2,281	4,933	992	6,220	5,143	5,754	1,224	522	863	931	1,597	1,924	744	819	3,658	2,297
Cannot do at all	7,947	0.1	483	753	168	842	934	1,160	245	119	228	243	263	480	280	277	787	685
Hearing	**5,759,220**	**100.0**	**416,053**	**540,640**	**199,365**	**445,346**	**621,081**	**899,608**	**257,278**	**120,364**	**215,250**	**234,709**	**209,293**	**497,822**	**186,610**	**186,166**	**436,719**	**292,916**
No difficulty	5,604,493	97.3	408,597	526,581	196,437	428,340	604,363	878,905	252,581	117,955	210,711	229,867	203,427	484,291	181,568	181,449	419,681	279,740
Some difficulty	127,415	2.2	6,032	11,447	2,428	13,738	13,515	17,096	3,873	2,060	3,792	4,055	4,825	11,549	4,255	3,878	13,792	11,080
A lot of difficulty	22,598	0.4	1,095	2,145	369	2,768	2,594	2,913	668	288	622	637	865	1,710	658	703	2,774	1,789
Cannot do at all	4,714	0.1	329	467	131	500	609	694	156	61	125	150	176	272	129	136	472	307
Walking or climbing stairs	**5,759,220**	**100.0**	**416,053**	**540,640**	**199,365**	**445,346**	**621,081**	**899,608**	**257,278**	**120,364**	**215,250**	**234,709**	**209,293**	**497,822**	**186,610**	**186,166**	**436,719**	**292,916**
No difficulty	5,447,837	94.6	396,951	504,812	191,360	404,833	581,402	854,782	247,971	116,140	207,011	226,394	197,259	477,185	178,940	179,150	411,657	271,990
Some difficulty	234,526	4.1	13,991	26,339	5,973	28,953	29,385	33,931	7,164	3,405	6,191	6,443	9,079	16,878	5,983	5,624	19,249	15,938
A lot of difficulty	67,310	1.2	4,452	8,356	1,747	10,085	8,948	9,526	1,891	706	1,741	1,644	2,637	3,297	1,467	1,218	5,219	4,376
Cannot do at all	9,547	0.2	659	1,133	285	1,475	1,346	1,369	252	113	307	228	318	462	220	174	594	612
Remembering or concentrating	**5,759,220**	**100.0**	**416,053**	**540,640**	**199,365**	**445,346**	**621,081**	**899,608**	**257,278**	**120,364**	**215,250**	**234,709**	**209,293**	**497,822**	**186,610**	**186,166**	**436,719**	**292,916**
No difficulty	5,575,205	96.8	406,308	519,154	194,829	417,854	596,239	872,739	251,335	117,344	210,571	229,987	201,595	487,096	182,643	182,306	422,028	283,177
Some difficulty	148,596	2.6	7,863	17,371	3,707	21,761	19,613	21,401	4,745	2,447	3,813	3,832	6,127	9,150	3,338	3,180	12,100	8,148
A lot of difficulty	31,183	0.5	1,608	3,748	708	5,133	4,620	4,853	1,054	498	741	736	1,423	1,327	531	558	2,300	1,345
Cannot do at all	4,236	0.1	274	367	121	598	609	615	144	75	125	154	148	249	98	122	291	246

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**5,759,220**	**100.0**	**416,053**	**540,640**	**199,365**	**445,346**	**621,081**	**899,608**	**257,278**	**120,364**	**215,250**	**234,709**	**209,293**	**497,822**	**186,610**	**186,166**	**436,719**	**292,916**
No difficulty	5,665,563	98.4	410,799	531,552	197,013	433,771	610,037	887,121	254,801	119,169	212,755	232,253	205,956	490,302	183,783	183,481	426,931	285,839
Some difficulty	69,561	1.2	3,820	6,601	1,685	8,192	7,878	9,021	1,797	911	1,840	1,799	2,404	6,178	2,250	2,103	7,592	5,490
A lot of difficulty	16,759	0.3	1,022	1,720	437	2,165	2,064	2,366	486	183	453	448	678	977	420	418	1,728	1,194
Cannot do at all	7,337	0.1	412	767	230	1,218	1,102	1,100	194	101	202	209	255	365	157	164	468	393
Communicating	**5,759,220**	**100.0**	**416,053**	**540,640**	**199,365**	**445,346**	**621,081**	**899,608**	**257,278**	**120,364**	**215,250**	**234,709**	**209,293**	**497,822**	**186,610**	**186,166**	**436,719**	**292,916**
No difficulty	5,680,736	98.6	411,198	532,588	197,360	436,313	611,701	888,867	254,917	119,218	213,086	232,595	206,598	491,698	184,402	184,013	428,784	287,398
Some difficulty	59,112	1.0	3,637	5,928	1,489	6,540	6,839	7,964	1,703	866	1,616	1,534	1,968	5,042	1,777	1,686	6,172	4,351
A lot of difficulty	14,809	0.3	895	1,643	390	1,943	1,861	2,154	484	205	437	405	560	815	333	332	1,403	949
Cannot do at all	4,563	0.1	323	481	126	550	680	623	174	75	111	175	167	267	98	135	360	218

TABLE 5.4: POPULATION 5 - 17 YEARS BY TYPE AND SEVERITY OF DIFFICULTY, SEX, LOCALITY TYPE, AND REGION

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
All Locality Types																		
Both Sexes																		
Seeing	**9,120,571**	**100.0**	**604,469**	**875,075**	**1,377,990**	**497,120**	**871,694**	**1,611,476**	**271,586**	**174,179**	**351,438**	**373,053**	**243,876**	**744,258**	**206,950**	**225,882**	**411,167**	**280,358**
No difficulty	9,019,993	98.9	597,586	862,699	1,364,970	489,977	860,842	1,591,959	269,153	172,055	348,646	369,553	241,062	737,746	205,290	223,701	407,444	277,310
Some difficulty	90,540	1.0	6,221	11,111	11,985	6,322	9,624	17,840	2,166	1,898	2,559	3,156	2,496	5,841	1,489	1,945	3,232	2,655
A lot of difficulty	8,316	0.1	547	1,115	825	716	932	1,448	221	158	187	279	285	560	134	197	453	259
Cannot do at all	1,722	0.0	115	150	210	105	296	229	46	68	46	65	33	111	37	39	38	134
Hearing	**9,120,571**	**100.0**	**604,469**	**875,075**	**1,377,990**	**497,120**	**871,694**	**1,611,476**	**271,586**	**174,179**	**351,438**	**373,053**	**243,876**	**744,258**	**206,950**	**225,882**	**411,167**	**280,358**
No difficulty	9,058,031	99.3	601,122	868,986	1,372,808	493,246	865,162	1,601,268	269,978	172,784	349,778	370,750	241,433	736,756	205,184	223,816	407,268	277,692
Some difficulty	48,908	0.5	2,415	4,655	3,982	2,877	4,789	8,106	1,278	913	1,366	1,836	2,018	6,286	1,511	1,690	3,051	2,135
A lot of difficulty	8,329	0.1	465	824	671	472	1,095	1,350	225	155	194	311	314	958	168	280	538	309
Cannot do at all	5,303	0.1	467	610	529	525	648	752	105	327	100	156	111	258	87	96	310	222
Walking or climbing stairs	**9,120,571**	**100.0**	**604,469**	**875,075**	**1,377,990**	**497,120**	**871,694**	**1,611,476**	**271,586**	**174,179**	**351,438**	**373,053**	**243,876**	**744,258**	**206,950**	**225,882**	**411,167**	**280,358**
No difficulty	9,063,160	99.4	601,204	870,410	1,372,971	493,783	865,192	1,600,991	270,179	173,187	349,919	371,201	241,929	737,273	205,137	224,008	408,002	277,774
Some difficulty	45,207	0.5	2,519	3,541	3,683	2,368	5,208	8,655	1,123	763	1,156	1,336	1,536	5,837	1,518	1,525	2,409	2,030
A lot of difficulty	8,476	0.1	492	740	792	639	828	1,224	205	164	244	363	333	930	235	280	606	401
Cannot do at all	3,728	0.0	254	384	544	330	466	606	79	65	119	153	78	218	60	69	150	153
Remembering or concentrating	**9,120,571**	**100.0**	**604,469**	**875,075**	**1,377,990**	**497,120**	**871,694**	**1,611,476**	**271,586**	**174,179**	**351,438**	**373,053**	**243,876**	**744,258**	**206,950**	**225,882**	**411,167**	**280,358**
No difficulty	9,056,171	99.3	600,531	868,110	1,371,469	492,695	864,709	1,602,014	269,834	172,892	349,537	370,971	241,363	737,592	205,152	224,198	407,398	277,706
Some difficulty	50,878	0.6	2,992	5,639	5,009	3,327	5,452	7,145	1,373	982	1,459	1,592	2,095	5,746	1,536	1,389	2,998	2,144
A lot of difficulty	9,820	0.1	695	985	1,052	792	1,088	1,664	261	220	328	330	343	709	181	210	590	372
Cannot do at all	3,702	0.0	251	341	460	306	445	653	118	85	114	160	75	211	81	85	181	136
Self-care	**9,120,571**	**100.0**	**604,469**	**875,075**	**1,377,990**	**497,120**	**871,694**	**1,611,476**	**271,586**	**174,179**	**351,438**	**373,053**	**243,876**	**744,258**	**206,950**	**225,882**	**411,167**	**280,358**
No difficulty	9,056,876	99.3	600,863	869,485	1,370,463	493,098	865,576	1,600,088	270,004	173,051	349,401	370,974	241,748	737,647	205,195	224,093	407,319	277,871
Some difficulty	46,546	0.5	2,590	4,089	5,448	2,752	4,308	8,162	1,169	795	1,526	1,342	1,520	5,197	1,436	1,353	2,973	1,886

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
A lot of difficulty	10,131	0.1	663	938	1,241	659	944	1,804	240	188	311	403	419	890	184	284	603	360
Cannot do at all	7,018	0.1	353	563	838	611	866	1,422	173	145	200	334	189	524	135	152	272	241
Communicating	**9,120,571**	**100.0**	**604,469**	**875,075**	**1,377,990**	**497,120**	**871,694**	**1,611,476**	**271,586**	**174,179**	**351,438**	**373,053**	**243,876**	**744,258**	**206,950**	**225,882**	**411,167**	**280,358**
No difficulty	9,067,644	99.4	600,862	870,109	1,372,035	493,903	866,683	1,602,919	270,245	172,988	349,909	371,316	242,052	738,576	205,634	224,416	407,950	278,047
Some difficulty	36,194	0.4	2,467	3,322	4,014	1,956	3,213	5,698	899	637	1,025	1,107	1,283	4,451	1,046	1,090	2,331	1,655
A lot of difficulty	10,871	0.1	787	1,014	1,230	766	1,134	1,837	274	421	345	378	387	896	166	239	611	386
Cannot do at all	5,862	0.1	353	630	711	495	664	1,022	168	133	159	252	154	335	104	137	275	270
Male																		
Seeing	**4,620,162**	**100.0**	**305,982**	**441,165**	**676,835**	**250,867**	**443,193**	**810,664**	**139,959**	**89,456**	**178,471**	**191,942**	**127,065**	**385,013**	**107,543**	**116,500**	**211,675**	**143,832**
No difficulty	4,574,849	99.0	302,865	435,983	671,380	247,727	438,552	802,339	138,734	88,528	177,145	190,263	125,688	381,544	106,676	115,343	209,833	142,249
Some difficulty	40,171	0.9	2,767	4,568	4,937	2,732	4,038	7,487	1,066	808	1,209	1,502	1,215	3,114	774	1,022	1,584	1,348
A lot of difficulty	4,204	0.1	288	527	417	363	437	715	129	79	93	140	143	298	79	113	240	143
Cannot do at all	938	0.0	62	87	101	45	166	123	30	41	24	37	19	57	14	22	18	92
Hearing	**4,620,162**	**100.0**	**305,982**	**441,165**	**676,835**	**250,867**	**443,193**	**810,664**	**139,959**	**89,456**	**178,471**	**191,942**	**127,065**	**385,013**	**107,543**	**116,500**	**211,675**	**143,832**
No difficulty	4,588,869	99.3	304,319	438,180	674,380	248,982	440,035	805,771	139,146	88,747	177,655	190,760	125,834	381,041	106,616	115,343	209,659	142,401
Some difficulty	23,954	0.5	1,141	2,201	1,839	1,366	2,205	3,793	628	418	656	936	1,008	3,315	799	950	1,555	1,144
A lot of difficulty	4,494	0.1	257	429	360	244	626	710	132	89	101	172	165	524	79	153	284	169
Cannot do at all	2,845	0.1	265	355	256	275	327	390	53	202	59	74	58	133	49	54	177	118
Walking or climbing stairs	**4,620,162**	**100.0**	**305,982**	**441,165**	**676,835**	**250,867**	**443,193**	**810,664**	**139,959**	**89,456**	**178,471**	**191,942**	**127,065**	**385,013**	**107,543**	**116,500**	**211,675**	**143,832**
No difficulty	4,590,514	99.4	304,273	438,790	674,334	249,205	439,856	805,319	139,184	88,948	177,669	190,908	126,069	381,329	106,588	115,504	210,031	142,507
Some difficulty	22,853	0.5	1,305	1,740	1,767	1,148	2,593	4,314	607	393	589	731	777	3,019	797	809	1,234	1,030
A lot of difficulty	4,716	0.1	271	409	439	329	470	681	113	84	151	219	178	548	125	154	327	218
Cannot do at all	2,079	0.0	133	226	295	185	274	350	55	31	62	84	41	117	33	33	83	77
Remembering or concentrating	**4,620,162**	**100.0**	**305,982**	**441,165**	**676,835**	**250,867**	**443,193**	**810,664**	**139,959**	**89,456**	**178,471**	**191,942**	**127,065**	**385,013**	**107,543**	**116,500**	**211,675**	**143,832**
No difficulty	4,587,444	99.3	303,926	437,741	673,495	248,634	439,877	805,927	139,049	88,798	177,467	190,881	125,801	381,407	106,644	115,589	209,751	142,457
Some difficulty	25,346	0.5	1,510	2,729	2,494	1,660	2,492	3,459	689	488	752	782	1,035	3,106	777	750	1,516	1,107
A lot of difficulty	5,368	0.1	402	511	595	411	583	919	149	115	189	191	189	392	79	122	322	199
Cannot do at all	2,004	0.0	144	184	251	162	241	359	72	55	63	88	40	108	43	39	86	69

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**4,620,162**	**100.0**	**305,982**	**441,165**	**676,835**	**250,867**	**443,193**	**810,664**	**139,959**	**89,456**	**178,471**	**191,942**	**127,065**	**385,013**	**107,543**	**116,500**	**211,675**	**143,832**
No difficulty	4,585,739	99.3	304,038	438,191	672,844	248,732	439,781	804,459	139,083	88,858	177,327	190,811	125,900	381,444	106,641	115,510	209,652	142,468
Some difficulty	24,613	0.5	1,349	2,107	2,801	1,419	2,336	4,317	635	421	842	717	815	2,790	735	737	1,546	1,046
A lot of difficulty	5,736	0.1	402	530	702	365	559	1,045	122	102	188	218	233	496	90	165	331	188
Cannot do at all	4,074	0.1	193	337	488	351	517	843	119	75	114	196	117	283	77	88	146	130
Communicating	4,620,162	100.0	305,982	441,165	676,835	250,867	443,193	810,664	139,959	89,456	178,471	191,942	127,065	385,013	107,543	116,500	211,675	143,832
No difficulty	4,591,464	99.4	303,996	438,441	673,656	249,183	440,502	806,177	139,187	88,780	177,622	190,994	126,054	381,821	106,830	115,700	209,948	142,573
Some difficulty	19,374	0.4	1,351	1,782	2,127	1,000	1,646	2,968	516	346	550	597	695	2,482	570	593	1,251	900
A lot of difficulty	6,095	0.1	435	576	651	426	685	952	157	269	205	217	226	532	86	130	332	216
Cannot do at all	3,229	0.1	200	366	401	258	360	567	99	61	94	134	90	178	57	77	144	143
Female																		
Seeing	**4,500,409**	**100.0**	**298,487**	**433,910**	**701,155**	**246,253**	**428,501**	**800,812**	**131,627**	**84,723**	**172,967**	**181,111**	**116,811**	**359,245**	**99,407**	**109,382**	**199,492**	**136,526**
No difficulty	4,445,144	98.8	294,721	426,716	693,590	242,250	422,290	789,620	130,419	83,527	171,501	179,290	115,374	356,202	98,614	108,358	197,611	135,061
Some difficulty	50,369	1.1	3,454	6,543	7,048	3,590	5,586	10,353	1,100	1,090	1,350	1,654	1,281	2,727	715	923	1,648	1,307
A lot of difficulty	4,112	0.1	259	588	408	353	495	733	92	79	94	139	142	262	55	84	213	116
Cannot do at all	784	0.0	53	63	109	60	130	106	16	27	22	28	14	54	23	17	20	42
Hearing	**4,500,409**	**100.0**	**298,487**	**433,910**	**701,155**	**246,253**	**428,501**	**800,812**	**131,627**	**84,723**	**172,967**	**181,111**	**116,811**	**359,245**	**99,407**	**109,382**	**199,492**	**136,526**
No difficulty	4,469,162	99.3	296,803	430,806	698,428	244,264	425,127	795,497	130,832	84,037	172,123	179,990	115,599	355,715	98,568	108,473	197,609	135,291
Some difficulty	24,954	0.6	1,274	2,454	2,143	1,511	2,584	4,313	650	495	710	900	1,010	2,971	712	740	1,496	991
A lot of difficulty	3,835	0.1	208	395	311	228	469	640	93	66	93	139	149	434	89	127	254	140
Cannot do at all	2,458	0.1	202	255	273	250	321	362	52	125	41	82	53	125	38	42	133	104
Walking or climbing stairs	**4,500,409**	**100.0**	**298,487**	**433,910**	**701,155**	**246,253**	**428,501**	**800,812**	**131,627**	**84,723**	**172,967**	**181,111**	**116,811**	**359,245**	**99,407**	**109,382**	**199,492**	**136,526**
No difficulty	4,472,646	99.4	296,931	431,620	698,637	244,578	425,336	795,672	130,995	84,239	172,250	180,293	115,860	355,944	98,549	108,504	197,971	135,267
Some difficulty	22,354	0.5	1,214	1,801	1,916	1,220	2,615	4,341	516	370	567	605	759	2,818	721	716	1,175	1,000
A lot of difficulty	3,760	0.1	221	331	353	310	358	543	92	80	93	144	155	382	110	126	279	183
Cannot do at all	1,649	0.0	121	158	249	145	192	256	24	34	57	69	37	101	27	36	67	76
Remembering or concentrating	**4,500,409**	**100.0**	**298,487**	**433,910**	**701,155**	**246,253**	**428,501**	**800,812**	**131,627**	**84,723**	**172,967**	**181,111**	**116,811**	**359,245**	**99,407**	**109,382**	**199,492**	**136,526**
No difficulty	4,468,727	99.3	296,605	430,369	697,974	244,061	424,832	796,087	130,785	84,094	172,070	180,090	115,562	356,185	98,508	108,609	197,647	135,249
Some difficulty	25,532	0.6	1,482	2,910	2,515	1,667	2,960	3,686	684	494	707	810	1,060	2,640	759	639	1,482	1,037
A lot of difficulty	4,452	0.1	293	474	457	381	505	745	112	105	139	139	154	317	102	88	268	173
Cannot do at all	1,698	0.0	107	157	209	144	204	294	46	30	51	72	35	103	38	46	95	67

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**4,500,409**	**100.0**	**298,487**	**433,910**	**701,155**	**246,253**	**428,501**	**800,812**	**131,627**	**84,723**	**172,967**	**181,111**	**116,811**	**359,245**	**99,407**	**109,382**	**199,492**	**136,526**
No difficulty	4,471,137	99.3	296,825	431,294	697,619	244,366	425,795	795,629	130,921	84,193	172,074	180,163	115,848	356,203	98,554	108,583	197,667	135,403
Some difficulty	21,933	0.5	1,241	1,982	2,647	1,333	1,972	3,845	534	374	684	625	705	2,407	701	616	1,427	840
A lot of difficulty	4,395	0.1	261	408	539	294	385	759	118	86	123	185	186	394	94	119	272	172
Cannot do at all	2,944	0.1	160	226	350	260	349	579	54	70	86	138	72	241	58	64	126	111
Communicating	**4,500,409**	**100.0**	**298,487**	**433,910**	**701,155**	**246,253**	**428,501**	**800,812**	**131,627**	**84,723**	**172,967**	**181,111**	**116,811**	**359,245**	**99,407**	**109,382**	**199,492**	**136,526**
No difficulty	4,476,180	99.5	296,866	431,668	698,379	244,720	426,181	796,742	131,058	84,208	172,287	180,322	115,998	356,755	98,804	108,716	198,002	135,474
Some difficulty	16,820	0.4	1,116	1,540	1,887	956	1,567	2,730	383	291	475	510	588	1,969	476	497	1,080	755
A lot of difficulty	4,776	0.1	352	438	579	340	449	885	117	152	140	161	161	364	80	109	279	170
Cannot do at all	2,633	0.1	153	264	310	237	304	455	69	72	65	118	64	157	47	60	131	127
Urban																		
Both Sexes																		
Seeing	**4,853,801**	**100.0**	**299,644**	**486,712**	**1,241,175**	**202,675**	**436,440**	**952,873**	**75,417**	**80,031**	**197,787**	**188,657**	**77,379**	**327,321**	**57,778**	**69,475**	**95,629**	**64,808**
No difficulty	4,800,327	98.9	296,028	480,237	1,229,584	199,923	430,534	940,575	74,774	78,898	196,311	186,746	76,496	325,015	57,350	68,902	94,910	64,044
Some difficulty	48,783	1.0	3,321	5,841	10,689	2,482	5,276	11,403	595	1,006	1,360	1,745	810	2,101	394	508	642	610
A lot of difficulty	3,637	0.1	245	534	710	213	412	752	40	71	94	134	64	168	27	49	69	55
Cannot do at all	1,054	0.0	50	100	192	57	218	143	8	56	22	32	9	37	7	16	8	99
Hearing	**4,853,801**	**100.0**	**299,644**	**486,712**	**1,241,175**	**202,675**	**436,440**	**952,873**	**75,417**	**80,031**	**197,787**	**188,657**	**77,379**	**327,321**	**57,778**	**69,475**	**95,629**	**64,808**
No difficulty	4,827,155	99.5	298,083	483,768	1,236,686	201,247	433,219	947,332	75,022	79,309	196,983	187,699	76,719	325,095	57,443	69,082	95,065	64,403
Some difficulty	20,070	0.4	1,058	2,190	3,444	985	2,183	4,340	329	378	680	772	559	1,793	291	324	480	264
A lot of difficulty	3,481	0.1	179	344	578	112	627	735	42	59	84	132	76	353	29	42	57	32
Cannot do at all	3,095	0.1	324	410	467	331	411	466	24	285	40	54	25	80	15	27	27	109
Walking or climbing stairs	**4,853,801**	**100.0**	**299,644**	**486,712**	**1,241,175**	**202,675**	**436,440**	**952,873**	**75,417**	**80,031**	**197,787**	**188,657**	**77,379**	**327,321**	**57,778**	**69,475**	**95,629**	**64,808**
No difficulty	4,829,973	99.5	298,336	484,578	1,236,758	201,595	433,433	947,261	75,056	79,632	197,052	187,866	76,824	325,319	57,434	69,087	95,214	64,528
Some difficulty	18,600	0.4	980	1,550	3,275	785	2,472	4,620	304	300	562	555	451	1,601	293	312	320	220
A lot of difficulty	3,371	0.1	197	350	668	197	332	655	39	64	110	159	81	321	39	56	64	39
Cannot do at all	1,857	0.0	131	234	474	98	203	337	18	35	63	77	23	80	12	20	31	21
Remembering or concentrating	**4,853,801**	**100.0**	**299,644**	**486,712**	**1,241,175**	**202,675**	**436,440**	**952,873**	**75,417**	**80,031**	**197,787**	**188,657**	**77,379**	**327,321**	**57,778**	**69,475**	**95,629**	**64,808**
No difficulty	4,826,928	99.4	298,137	483,729	1,235,482	201,296	433,413	948,058	75,031	79,495	196,934	187,713	76,732	324,897	57,459	69,169	94,946	64,437
Some difficulty	21,216	0.4	1,053	2,405	4,409	1,053	2,428	3,643	325	438	656	734	562	2,103	279	246	569	313
A lot of difficulty	4,047	0.1	327	407	890	237	421	825	43	65	152	155	70	257	30	43	83	42
Cannot do at all	1,610	0.0	127	171	394	89	178	347	18	33	45	55	15	64	10	17	31	16

Type of difficulty	All Regions Number	Percent	Region Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**4,853,801**	**100.0**	**299,644**	**486,712**	**1,241,175**	**202,675**	**436,440**	**952,873**	**75,417**	**80,031**	**197,787**	**188,657**	**77,379**	**327,321**	**57,778**	**69,475**	**95,629**	**64,808**
No difficulty	4,824,737	99.4	298,096	484,129	1,234,373	201,332	433,984	946,328	74,965	79,531	196,658	187,838	76,819	324,669	57,403	69,189	94,941	64,482
Some difficulty	21,291	0.4	1,094	1,866	4,979	944	1,802	4,808	387	361	863	477	407	1,962	306	227	565	243
A lot of difficulty	4,557	0.1	274	405	1,107	232	345	991	35	78	159	218	98	418	48	28	75	46
Cannot do at all	3,216	0.1	180	312	716	167	309	746	30	61	107	124	55	272	21	31	48	37
Communicating	**4,853,801**	**100.0**	**299,644**	**486,712**	**1,241,175**	**202,675**	**436,440**	**952,873**	**75,417**	**80,031**	**197,787**	**188,657**	**77,379**	**327,321**	**57,778**	**69,475**	**95,629**	**64,808**
No difficulty	4,830,520	99.5	298,168	484,473	1,235,982	201,617	434,201	948,243	75,104	79,437	197,057	187,951	76,872	325,138	57,500	69,197	95,195	64,385
Some difficulty	15,558	0.3	956	1,446	3,511	669	1,475	3,049	227	244	510	431	386	1,682	223	191	290	268
A lot of difficulty	5,009	0.1	350	447	1,074	244	520	984	49	280	156	188	89	396	37	52	98	45
Cannot do at all	2,714	0.1	170	346	608	145	244	597	37	70	64	87	32	105	18	35	46	110
Male																		
Seeing	**2,399,998**	**100.0**	**148,204**	**241,747**	**607,180**	**99,434**	**214,984**	**470,436**	**37,591**	**39,877**	**98,555**	**94,512**	**38,836**	**165,630**	**29,046**	**35,155**	**47,429**	**31,382**
No difficulty	2,377,926	99.1	146,678	239,143	602,392	98,344	212,690	465,532	37,318	39,438	97,916	93,655	38,451	164,468	28,856	34,874	47,128	31,043
Some difficulty	19,776	0.8	1,373	2,308	4,342	970	2,003	4,465	248	378	587	770	346	1,058	170	249	264	245
A lot of difficulty	1,710	0.1	127	233	355	94	166	370	20	26	37	67	34	82	18	24	32	25
Cannot do at all	586	0.0	26	63	91	26	125	69	5	35	15	20	5	22	2	8	5	69
Hearing	**2,399,998**	**100.0**	**148,204**	**241,747**	**607,180**	**99,434**	**214,984**	**470,436**	**37,591**	**39,877**	**98,555**	**94,512**	**38,836**	**165,630**	**29,046**	**35,155**	**47,429**	**31,382**
No difficulty	2,387,350	99.5	147,429	240,366	605,079	98,742	213,505	467,861	37,402	39,507	98,195	94,033	38,546	164,490	28,879	34,947	47,181	31,188
Some difficulty	9,132	0.4	482	970	1,562	456	930	1,966	152	157	291	378	241	902	145	172	207	121
A lot of difficulty	1,833	0.1	96	166	316	58	349	359	24	36	42	74	37	189	15	20	30	22
Cannot do at all	1,683	0.1	197	245	223	178	200	250	13	177	27	27	12	49	7	16	11	51
Walking or climbing stairs	**2,399,998**	**100.0**	**148,204**	**241,747**	**607,180**	**99,434**	**214,984**	**470,436**	**37,591**	**39,877**	**98,555**	**94,512**	**38,836**	**165,630**	**29,046**	**35,155**	**47,429**	**31,382**
No difficulty	2,388,048	99.5	147,522	240,661	604,986	98,919	213,535	467,660	37,396	39,688	98,177	94,075	38,547	164,582	28,871	34,955	47,225	31,249
Some difficulty	9,019	0.4	498	739	1,561	370	1,150	2,218	158	145	273	300	232	812	151	156	149	107
A lot of difficulty	1,891	0.1	113	204	377	94	178	364	23	25	72	98	44	190	19	33	39	18
Cannot do at all	1,040	0.0	71	143	256	51	121	194	14	19	33	39	13	46	5	11	16	8
Remembering or concentrating	**2,399,998**	**100.0**	**148,204**	**241,747**	**607,180**	**99,434**	**214,984**	**470,436**	**37,591**	**39,877**	**98,555**	**94,512**	**38,836**	**165,630**	**29,046**	**35,155**	**47,429**	**31,382**
No difficulty	2,386,807	99.5	147,404	240,306	604,289	98,752	213,747	468,065	37,397	39,615	98,108	94,050	38,543	164,302	28,890	35,001	47,119	31,219
Some difficulty	10,031	0.4	505	1,126	2,173	507	913	1,726	160	213	336	334	248	1,145	138	123	252	132
A lot of difficulty	2,253	0.1	209	213	509	127	215	460	24	29	87	94	36	146	12	21	47	24
Cannot do at all	907	0.0	86	102	209	48	109	185	10	20	24	34	9	37	6	10	11	7

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**2,399,998**	**100.0**	**148,204**	**241,747**	**607,180**	**99,434**	**214,984**	**470,436**	**37,591**	**39,877**	**98,555**	**94,512**	**38,836**	**165,630**	**29,046**	**35,155**	**47,429**	**31,382**
No difficulty	2,384,414	99.4	147,370	240,386	603,605	98,693	213,611	466,962	37,344	39,622	97,917	94,061	38,519	164,191	28,831	34,999	47,103	31,200
Some difficulty	11,114	0.5	554	929	2,553	506	986	2,481	208	186	483	258	226	1,045	175	119	266	139
A lot of difficulty	2,603	0.1	181	233	617	141	198	567	19	36	95	120	56	237	26	16	37	24
Cannot do at all	1,867	0.1	99	199	405	94	189	426	20	33	60	73	35	157	14	21	23	19
Communicating	**2,399,998**	**100.0**	**148,204**	**241,747**	**607,180**	**99,434**	**214,984**	**470,436**	**37,591**	**39,877**	**98,555**	**94,512**	**38,836**	**165,630**	**29,046**	**35,155**	**47,429**	**31,382**
No difficulty	2,387,510	99.5	147,373	240,507	604,435	98,878	213,844	468,064	37,412	39,538	98,147	94,126	38,560	164,349	28,889	35,015	47,209	31,164
Some difficulty	8,163	0.3	525	767	1,850	339	693	1,555	131	128	269	230	205	966	129	96	144	136
A lot of difficulty	2,794	0.1	194	248	556	144	309	490	30	187	99	108	53	252	19	25	52	28
Cannot do at all	1,531	0.1	112	225	339	73	138	327	18	24	40	48	18	63	9	19	24	54
Female																		
Seeing	**2,453,803**	**100.0**	**151,440**	**244,965**	**633,995**	**103,241**	**221,456**	**482,437**	**37,826**	**40,154**	**99,232**	**94,145**	**38,543**	**161,691**	**28,732**	**34,320**	**48,200**	**33,426**
No difficulty	2,422,401	98.7	149,350	241,094	627,192	101,579	217,844	475,043	37,456	39,460	98,395	93,091	38,045	160,547	28,494	34,028	47,782	33,001
Some difficulty	29,007	1.2	1,948	3,533	6,347	1,512	3,273	6,938	347	628	773	975	464	1,043	224	259	378	365
A lot of difficulty	1,927	0.1	118	301	355	119	246	382	20	45	57	67	30	86	9	25	37	30
Cannot do at all	468	0.0	24	37	101	31	93	74	3	21	7	12	4	15	5	8	3	30
Hearing	**2,453,803**	**100.0**	**151,440**	**244,965**	**633,995**	**103,241**	**221,456**	**482,437**	**37,826**	**40,154**	**99,232**	**94,145**	**38,543**	**161,691**	**28,732**	**34,320**	**48,200**	**33,426**
No difficulty	2,439,805	99.4	150,654	243,402	631,607	102,505	219,714	479,471	37,620	39,802	98,788	93,666	38,173	160,605	28,564	34,135	47,884	33,215
Some difficulty	10,938	0.4	576	1,220	1,882	529	1,253	2,374	177	221	389	394	318	891	146	152	273	143
A lot of difficulty	1,648	0.1	83	178	262	54	278	376	18	23	42	58	39	164	14	22	27	10
Cannot do at all	1,412	0.1	127	165	244	153	211	216	11	108	13	27	13	31	8	11	16	58
Walking or climbing stairs	**2,453,803**	**100.0**	**151,440**	**244,965**	**633,995**	**103,241**	**221,456**	**482,437**	**37,826**	**40,154**	**99,232**	**94,145**	**38,543**	**161,691**	**28,732**	**34,320**	**48,200**	**33,426**
No difficulty	2,441,925	99.5	150,814	243,917	631,772	102,676	219,898	479,601	37,660	39,944	98,875	93,791	38,277	160,737	28,563	34,132	47,989	33,279
Some difficulty	9,581	0.4	482	811	1,714	415	1,322	2,402	146	155	289	255	219	789	142	156	171	113
A lot of difficulty	1,480	0.1	84	146	291	103	154	291	16	39	38	61	37	131	20	23	25	21
Cannot do at all	817	0.0	60	91	218	47	82	143	4	16	30	38	10	34	7	9	15	13
Remembering or concentrating	**2,453,803**	**100.0**	**151,440**	**244,965**	**633,995**	**103,241**	**221,456**	**482,437**	**37,826**	**40,154**	**99,232**	**94,145**	**38,543**	**161,691**	**28,732**	**34,320**	**48,200**	**33,426**
No difficulty	2,440,121	99.4	150,733	243,423	631,193	102,544	219,666	479,993	37,634	39,880	98,826	93,663	38,189	160,595	28,569	34,168	47,827	33,218
Some difficulty	11,185	0.5	548	1,279	2,236	546	1,515	1,917	165	225	320	400	314	958	141	123	317	181
A lot of difficulty	1,794	0.1	118	194	381	110	206	365	19	36	65	61	34	111	18	22	36	18
Cannot do at all	703	0.0	41	69	185	41	69	162	8	13	21	21	6	27	4	7	20	9

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**2,453,803**	**100.0**	**151,440**	**244,965**	**633,995**	**103,241**	**221,456**	**482,437**	**37,826**	**40,154**	**99,232**	**94,145**	**38,543**	**161,691**	**28,732**	**34,320**	**48,200**	**33,426**
No difficulty	2,440,323	99.5	150,726	243,743	630,768	102,639	220,373	479,366	37,621	39,909	98,741	93,777	38,300	160,478	28,572	34,190	47,838	33,282
Some difficulty	10,177	0.4	540	937	2,426	438	816	2,327	179	175	380	219	181	917	131	108	299	104
A lot of difficulty	1,954	0.1	93	172	490	91	147	424	16	42	64	98	42	181	22	12	38	22
Cannot do at all	1,349	0.1	81	113	311	73	120	320	10	28	47	51	20	115	7	10	25	18
Communicating	**2,453,803**	**100.0**	**151,440**	**244,965**	**633,995**	**103,241**	**221,456**	**482,437**	**37,826**	**40,154**	**99,232**	**94,145**	**38,543**	**161,691**	**28,732**	**34,320**	**48,200**	**33,426**
No difficulty	2,443,010	99.6	150,795	243,966	631,547	102,739	220,357	480,179	37,692	39,899	98,910	93,825	38,312	160,789	28,611	34,182	47,986	33,221
Some difficulty	7,395	0.3	431	679	1,661	330	782	1,494	96	116	241	201	181	716	94	95	146	132
A lot of difficulty	2,215	0.1	156	199	518	100	211	494	19	93	57	80	36	144	18	27	46	17
Cannot do at all	1,183	0.0	58	121	269	72	106	270	19	46	24	39	14	42	9	16	22	56
Rural																		
Both Sexes																		
Seeing	**4,266,770**	**100.0**	**304,825**	**388,363**	**136,815**	**294,445**	**435,254**	**658,603**	**196,169**	**94,148**	**153,651**	**184,396**	**166,497**	**416,937**	**149,172**	**156,407**	**315,538**	**215,550**
No difficulty	4,219,666	98.9	301,558	382,462	135,386	290,054	430,308	651,384	194,379	93,157	152,335	182,807	164,566	412,731	147,940	154,799	312,534	213,266
Some difficulty	41,757	1.0	2,900	5,270	1,296	3,840	4,348	6,437	1,571	892	1,199	1,411	1,686	3,740	1,095	1,437	2,590	2,045
A lot of difficulty	4,679	0.1	302	581	115	503	520	696	181	87	93	145	221	392	107	148	384	204
Cannot do at all	668	0.0	65	50	18	48	78	86	38	12	24	33	24	74	30	23	30	35
Hearing	**4,266,770**	**100.0**	**304,825**	**388,363**	**136,815**	**294,445**	**435,254**	**658,603**	**196,169**	**94,148**	**153,651**	**184,396**	**166,497**	**416,937**	**149,172**	**156,407**	**315,538**	**215,550**
No difficulty	4,230,876	99.2	303,039	385,218	136,122	291,999	431,943	653,936	194,956	93,475	152,795	183,051	164,714	411,661	147,741	154,734	312,203	213,289
Some difficulty	28,838	0.7	1,357	2,465	538	1,892	2,606	3,766	949	535	686	1,064	1,459	4,493	1,220	1,366	2,571	1,871
A lot of difficulty	4,848	0.1	286	480	93	360	468	615	183	96	110	179	238	605	139	238	481	277
Cannot do at all	2,208	0.1	143	200	62	194	237	286	81	42	60	102	86	178	72	69	283	113
Walking or climbing stairs	**4,266,770**	**100.0**	**304,825**	**388,363**	**136,815**	**294,445**	**435,254**	**658,603**	**196,169**	**94,148**	**153,651**	**184,396**	**166,497**	**416,937**	**149,172**	**156,407**	**315,538**	**215,550**
No difficulty	4,233,187	99.2	302,868	385,832	136,213	292,188	431,759	653,730	195,123	93,555	152,867	183,335	165,105	411,954	147,703	154,921	312,788	213,246
Some difficulty	26,607	0.6	1,539	1,991	408	1,583	2,736	4,035	819	463	594	781	1,085	4,236	1,225	1,213	2,089	1,810
A lot of difficulty	5,105	0.1	295	390	124	442	496	569	166	100	134	204	252	609	196	224	542	362
Cannot do at all	1,871	0.0	123	150	70	232	263	269	61	30	56	76	55	138	48	49	119	132
Remembering or concentrating	**4,266,770**	**100.0**	**304,825**	**388,363**	**136,815**	**294,445**	**435,254**	**658,603**	**196,169**	**94,148**	**153,651**	**184,396**	**166,497**	**416,937**	**149,172**	**156,407**	**315,538**	**215,550**
No difficulty	4,229,243	99.1	302,394	384,381	135,987	291,399	431,296	653,956	194,803	93,397	152,603	183,258	164,631	412,695	147,693	155,029	312,452	213,269
Some difficulty	29,662	0.7	1,939	3,234	600	2,274	3,024	3,502	1,048	544	803	858	1,533	3,643	1,257	1,143	2,429	1,831
A lot of difficulty	5,773	0.1	368	578	162	555	667	839	218	155	176	175	273	452	151	167	507	330
Cannot do at all	2,092	0.0	124	170	66	217	267	306	100	52	69	105	60	147	71	68	150	120

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**4,266,770**	**100.0**	**304,825**	**388,363**	**136,815**	**294,445**	**435,254**	**658,603**	**196,169**	**94,148**	**153,651**	**184,396**	**166,497**	**416,937**	**149,172**	**156,407**	**315,538**	**215,550**
No difficulty	4,232,139	99.2	302,767	385,356	136,090	291,766	431,592	653,760	195,039	93,520	152,743	183,136	164,929	412,978	147,792	154,904	312,378	213,389
Some difficulty	25,255	0.6	1,496	2,223	469	1,808	2,506	3,354	782	434	663	865	1,113	3,235	1,130	1,126	2,408	1,643
A lot of difficulty	5,574	0.1	389	533	134	427	599	813	205	110	152	185	321	472	136	256	528	314
Cannot do at all	3,802	0.1	173	251	122	444	557	676	143	84	93	210	134	252	114	121	224	204
Communicating	**4,266,770**	**100.0**	**304,825**	**388,363**	**136,815**	**294,445**	**435,254**	**658,603**	**196,169**	**94,148**	**153,651**	**184,396**	**166,497**	**416,937**	**149,172**	**156,407**	**315,538**	**215,550**
No difficulty	4,237,124	99.3	302,694	385,636	136,053	292,286	432,482	654,676	195,141	93,551	152,852	183,365	165,180	413,438	148,134	155,219	312,755	213,662
Some difficulty	20,636	0.5	1,511	1,876	503	1,287	1,738	2,649	672	393	515	676	897	2,769	823	899	2,041	1,387
A lot of difficulty	5,862	0.1	437	567	156	522	614	853	225	141	189	190	298	500	129	187	513	341
Cannot do at all	3,148	0.1	183	284	103	350	420	425	131	63	95	165	122	230	86	102	229	160
Male																		
Seeing	**2,220,164**	**100.0**	**157,778**	**199,418**	**69,655**	**151,433**	**228,209**	**340,228**	**102,368**	**49,579**	**79,916**	**97,430**	**88,229**	**219,383**	**78,497**	**81,345**	**164,246**	**112,450**
No difficulty	2,196,923	99.0	156,187	196,840	68,988	149,383	225,862	336,807	101,416	49,090	79,229	96,608	87,237	217,076	77,820	80,469	162,705	111,206
Some difficulty	20,395	0.9	1,394	2,260	595	1,762	2,035	3,022	818	430	622	732	869	2,056	604	773	1,320	1,103
A lot of difficulty	2,494	0.1	161	294	62	269	271	345	109	53	56	73	109	216	61	89	208	118
Cannot do at all	352	0.0	36	24	10	19	41	54	25	6	9	17	14	35	12	14	13	23
Hearing	**2,220,164**	**100.0**	**157,778**	**199,418**	**69,655**	**151,433**	**228,209**	**340,228**	**102,368**	**49,579**	**79,916**	**97,430**	**88,229**	**219,383**	**78,497**	**81,345**	**164,246**	**112,450**
No difficulty	2,201,519	99.2	156,890	197,814	69,301	150,240	226,530	337,910	101,744	49,240	79,460	96,727	87,288	216,551	77,737	80,396	162,478	111,213
Some difficulty	14,822	0.7	659	1,231	277	910	1,275	1,827	476	261	365	558	767	2,413	654	778	1,348	1,023
A lot of difficulty	2,661	0.1	161	263	44	186	277	351	108	53	59	98	128	335	64	133	254	147
Cannot do at all	1,162	0.1	68	110	33	97	127	140	40	25	32	47	46	84	42	38	166	67
Walking or climbing stairs	**2,220,164**	**100.0**	**157,778**	**199,418**	**69,655**	**151,433**	**228,209**	**340,228**	**102,368**	**49,579**	**79,916**	**97,430**	**88,229**	**219,383**	**78,497**	**81,345**	**164,246**	**112,450**
No difficulty	2,202,466	99.2	156,751	198,129	69,348	150,286	226,321	337,659	101,788	49,260	79,492	96,833	87,522	216,747	77,717	80,549	162,806	111,258
Some difficulty	13,834	0.6	807	1,001	206	778	1,443	2,096	449	248	316	431	545	2,207	646	653	1,085	923
A lot of difficulty	2,825	0.1	158	205	62	235	292	317	90	59	79	121	134	358	106	121	288	200
Cannot do at all	1,039	0.0	62	83	39	134	153	156	41	12	29	45	28	71	28	22	67	69
Remembering or concentrating	**2,220,164**	**100.0**	**157,778**	**199,418**	**69,655**	**151,433**	**228,209**	**340,228**	**102,368**	**49,579**	**79,916**	**97,430**	**88,229**	**219,383**	**78,497**	**81,345**	**164,246**	**112,450**
No difficulty	2,200,637	99.1	156,522	197,435	69,206	149,882	226,130	337,862	101,652	49,183	79,359	96,831	87,258	217,105	77,754	80,588	162,632	111,238
Some difficulty	15,315	0.7	1,005	1,603	321	1,153	1,579	1,733	529	275	416	448	787	1,961	639	627	1,264	975
A lot of difficulty	3,115	0.1	193	298	86	284	368	459	125	86	102	97	153	246	67	101	275	175
Cannot do at all	1,097	0.0	58	82	42	114	132	174	62	35	39	54	31	71	37	29	75	62

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**2,220,164**	**100.0**	**157,778**	**199,418**	**69,655**	**151,433**	**228,209**	**340,228**	**102,368**	**49,579**	**79,916**	**97,430**	**88,229**	**219,383**	**78,497**	**81,345**	**164,246**	**112,450**
No difficulty	2,201,325	99.2	156,668	197,805	69,239	150,039	226,170	337,497	101,739	49,236	79,410	96,750	87,381	217,253	77,810	80,511	162,549	111,268
Some difficulty	13,499	0.6	795	1,178	248	913	1,350	1,836	427	235	359	459	589	1,745	560	618	1,280	907
A lot of difficulty	3,133	0.1	221	297	85	224	361	478	103	66	93	98	177	259	64	149	294	164
Cannot do at all	2,207	0.1	94	138	83	257	328	417	99	42	54	123	82	126	63	67	123	111
Communicating	**2,220,164**	**100.0**	**157,778**	**199,418**	**69,655**	**151,433**	**228,209**	**340,228**	**102,368**	**49,579**	**79,916**	**97,430**	**88,229**	**219,383**	**78,497**	**81,345**	**164,246**	**112,450**
No difficulty	2,203,954	99.3	156,623	197,934	69,221	150,305	226,658	338,113	101,775	49,242	79,475	96,868	87,494	217,472	77,941	80,685	162,739	111,409
Some difficulty	11,211	0.5	826	1,015	277	661	953	1,413	385	218	281	367	490	1,516	441	497	1,107	764
A lot of difficulty	3,301	0.1	241	328	95	282	376	462	127	82	106	109	173	280	67	105	280	188
Cannot do at all	1,698	0.1	88	141	62	185	222	240	81	37	54	86	72	115	48	58	120	89
Female																		
Seeing	**2,046,606**	**100.0**	**147,047**	**188,945**	**67,160**	**143,012**	**207,045**	**318,375**	**93,801**	**44,569**	**73,735**	**86,966**	**78,268**	**197,554**	**70,675**	**75,062**	**151,292**	**103,100**
No difficulty	2,022,743	98.8	145,371	185,622	66,398	140,671	204,446	314,577	92,963	44,067	73,106	86,199	77,329	195,655	70,120	74,330	149,829	102,060
Some difficulty	21,362	1.0	1,506	3,010	701	2,078	2,313	3,415	753	462	577	679	817	1,684	491	664	1,270	942
A lot of difficulty	2,185	0.1	141	287	53	234	249	351	72	34	37	72	112	176	46	59	176	86
Cannot do at all	316	0.0	29	26	8	29	37	32	13	6	15	16	10	39	18	9	17	12
Hearing	**2,046,606**	**100.0**	**147,047**	**188,945**	**67,160**	**143,012**	**207,045**	**318,375**	**93,801**	**44,569**	**73,735**	**86,966**	**78,268**	**197,554**	**70,675**	**75,062**	**151,292**	**103,100**
No difficulty	2,029,357	99.2	146,149	187,404	66,821	141,759	205,413	316,026	93,212	44,235	73,335	86,324	77,426	195,110	70,004	74,338	149,725	102,076
Some difficulty	14,016	0.7	698	1,234	261	982	1,331	1,939	473	274	321	506	692	2,080	566	588	1,223	848
A lot of difficulty	2,187	0.1	125	217	49	174	191	264	75	43	51	81	110	270	75	105	227	130
Cannot do at all	1,046	0.1	75	90	29	97	110	146	41	17	28	55	40	94	30	31	117	46
Walking or climbing stairs	**2,046,606**	**100.0**	**147,047**	**188,945**	**67,160**	**143,012**	**207,045**	**318,375**	**93,801**	**44,569**	**73,735**	**86,966**	**78,268**	**197,554**	**70,675**	**75,062**	**151,292**	**103,100**
No difficulty	2,030,721	99.2	146,117	187,703	66,865	141,902	205,438	316,071	93,335	44,295	73,375	86,502	77,583	195,207	69,986	74,372	149,982	101,988
Some difficulty	12,773	0.6	732	990	202	805	1,293	1,939	370	215	278	350	540	2,029	579	560	1,004	887
A lot of difficulty	2,280	0.1	137	185	62	207	204	252	76	41	55	83	118	251	90	103	254	162
Cannot do at all	832	0.0	61	67	31	98	110	113	20	18	27	31	27	67	20	27	52	63
Remembering or concentrating	**2,046,606**	**100.0**	**147,047**	**188,945**	**67,160**	**143,012**	**207,045**	**318,375**	**93,801**	**44,569**	**73,735**	**86,966**	**78,268**	**197,554**	**70,675**	**75,062**	**151,292**	**103,100**
No difficulty	2,028,606	99.1	145,872	186,946	66,781	141,517	205,166	316,094	93,151	44,214	73,244	86,427	77,373	195,590	69,939	74,441	149,820	102,031
Some difficulty	14,347	0.7	934	1,631	279	1,121	1,445	1,769	519	269	387	410	746	1,682	618	516	1,165	856
A lot of difficulty	2,658	0.1	175	280	76	271	299	380	93	69	74	78	120	206	84	66	232	155
Cannot do at all	995	0.0	66	88	24	103	135	132	38	17	30	51	29	76	34	39	75	58

Type of difficulty	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Self-care	**2,046,606**	**100.0**	**147,047**	**188,945**	**67,160**	**143,012**	**207,045**	**318,375**	**93,801**	**44,569**	**73,735**	**86,966**	**78,268**	**197,554**	**70,675**	**75,062**	**151,292**	**103,100**
No difficulty	2,030,814	99.2	146,099	187,551	66,851	141,727	205,422	316,263	93,300	44,284	73,333	86,386	77,548	195,725	69,982	74,393	149,829	102,121
Some difficulty	11,756	0.6	701	1,045	221	895	1,156	1,518	355	199	304	406	524	1,490	570	508	1,128	736
A lot of difficulty	2,441	0.1	168	236	49	203	238	335	102	44	59	87	144	213	72	107	234	150
Cannot do at all	1,595	0.1	79	113	39	187	229	259	44	42	39	87	52	126	51	54	101	93
Communicating	**2,046,606**	**100.0**	**147,047**	**188,945**	**67,160**	**143,012**	**207,045**	**318,375**	**93,801**	**44,569**	**73,735**	**86,966**	**78,268**	**197,554**	**70,675**	**75,062**	**151,292**	**103,100**
No difficulty	2,033,170	99.3	146,071	187,702	66,832	141,981	205,824	316,563	93,366	44,309	73,377	86,497	77,686	195,966	70,193	74,534	150,016	102,253
Some difficulty	9,425	0.5	685	861	226	626	785	1,236	287	175	234	309	407	1,253	382	402	934	623
A lot of difficulty	2,561	0.1	196	239	61	240	238	391	98	59	83	81	125	220	62	82	233	153
Cannot do at all	1,450	0.1	95	143	41	165	198	185	50	26	41	79	50	115	38	44	109	71

Severity of difficulty/Sex	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
All Locality Types																		
Both Sexes																		
Total	26,986,540	100.0	1,815,979	2,521,817	4,883,787	1,472,864	2,594,700	4,788,598	771,720	494,937	1,064,600	1,035,163	637,842	1,907,159	542,758	544,740	1,131,516	778,360
No difficulty	24,888,402	92.2	1,686,858	2,294,209	4,601,068	1,292,159	2,343,149	4,425,277	716,341	456,983	997,505	970,678	574,111	1,781,148	505,881	508,058	1,029,525	705,452
Some difficulty in at least one domain	1,620,595	6.0	99,731	175,004	227,858	132,636	189,075	282,652	43,700	29,807	51,906	50,313	48,897	100,656	28,841	28,800	76,076	54,643
A lot of difficulty in at least one domain	381,078	1.4	23,377	42,994	44,024	39,005	49,642	63,639	9,443	6,055	11,879	11,010	12,392	20,228	6,220	6,062	21,053	14,055
Cannot do at all in at least one domain	96,465	0.4	6,013	9,610	10,837	9,064	12,834	17,030	2,236	2,092	3,310	3,162	2,442	5,127	1,816	1,820	4,862	4,210
Male																		
Total	13,250,624	100.0	922,051	1,219,595	2,387,622	695,805	1,268,279	2,348,261	396,746	249,952	522,903	518,130	322,294	938,176	272,782	264,634	545,253	378,141
No difficulty	12,366,518	93.3	864,983	1,129,028	2,270,065	625,435	1,162,472	2,197,703	370,137	232,914	494,344	489,125	293,273	881,505	256,144	248,379	502,912	348,099
Some difficulty in at least one domain	676,824	5.1	43,956	69,334	93,354	51,444	78,886	115,946	20,979	13,236	21,848	22,317	22,207	44,943	13,035	12,577	30,674	22,088
A lot of difficulty in at least one domain	158,164	1.2	9,903	16,560	18,540	14,797	20,502	26,054	4,356	2,671	4,989	4,960	5,541	8,996	2,665	2,685	9,158	5,787
Cannot do at all in at least one domain	49,118	0.4	3,209	4,673	5,663	4,129	6,419	8,558	1,274	1,131	1,722	1,728	1,273	2,732	938	993	2,509	2,167
Female																		
Total	13,735,916	100.0	893,928	1,302,222	2,496,165	777,059	1,326,421	2,440,337	374,974	244,985	541,697	517,033	315,548	968,983	269,976	280,106	586,263	400,219
No difficulty	12,521,884	91.2	821,875	1,165,181	2,331,003	666,724	1,180,677	2,227,574	346,204	224,069	503,161	481,553	280,838	899,643	249,737	259,679	526,613	357,353
Some difficulty in at least one domain	943,771	6.9	55,775	105,670	134,504	81,192	110,189	166,706	22,721	16,571	30,058	27,996	26,690	55,713	15,806	16,223	45,402	32,555
A lot of difficulty in at least one domain	222,914	1.6	13,474	26,434	25,484	24,208	29,140	37,585	5,087	3,384	6,890	6,050	6,851	11,232	3,555	3,377	11,895	8,268
Cannot do at all in at least one domain	47,347	0.3	2,804	4,937	5,174	4,935	6,415	8,472	962	961	1,588	1,434	1,169	2,395	878	827	2,353	2,043
Urban																		
Both Sexes																		
Total	15,471,357	100.0	945,958	1,467,362	4,486,737	622,907	1,345,817	2,976,497	231,994	242,904	628,075	549,003	209,963	925,223	164,742	180,991	286,411	206,773
No difficulty	14,462,228	93.5	885,243	1,357,587	4,232,461	565,940	1,232,768	2,776,187	218,115	225,383	592,379	519,733	192,179	874,410	155,486	171,157	268,467	194,733
Some difficulty in at least one domain	791,483	5.1	47,471	86,320	205,945	42,740	85,190	157,717	11,001	13,413	27,487	22,661	13,885	39,797	7,073	7,800	13,864	9,119

Severity of difficulty/Sex	All Regions		Region															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
A lot of difficulty in at least one domain	171,386	1.1	10,367	18,860	38,763	11,192	21,760	33,079	2,304	2,860	6,378	5,127	3,260	8,659	1,736	1,561	3,345	2,135
Cannot do at all in at least one domain	46,260	0.3	2,877	4,595	9,568	3,035	6,099	9,514	574	1,248	1,831	1,482	639	2,357	447	473	735	786
Male																		
Total	7,494,661	100.0	468,083	705,780	2,189,937	291,194	640,477	1,435,768	114,298	118,283	301,628	266,679	103,708	454,062	81,376	87,051	136,867	99,470
No difficulty	7,087,638	94.6	442,841	663,278	2,084,541	269,702	596,298	1,357,198	108,288	111,313	287,233	254,406	96,004	431,855	77,460	82,901	129,659	94,661
Some difficulty in at least one domain	314,747	4.2	19,574	33,117	84,043	15,977	32,679	60,918	4,692	5,261	10,849	9,292	5,931	17,285	2,988	3,196	5,433	3,512
A lot of difficulty in at least one domain	68,941	0.9	4,118	7,118	16,316	4,158	8,563	13,024	1,015	1,078	2,629	2,183	1,422	3,668	709	672	1,399	869
Cannot do at all in at least one domain	23,335	0.3	1,550	2,267	5,037	1,357	2,937	4,628	303	631	917	798	351	1,254	219	282	376	428
Female																		
Total	7,976,696	100.0	477,875	761,582	2,296,800	331,713	705,340	1,540,729	117,696	124,621	326,447	282,324	106,255	471,161	83,366	93,940	149,544	107,303
No difficulty	7,374,590	92.5	442,402	694,309	2,147,920	296,238	636,470	1,418,989	109,827	114,070	305,146	265,327	96,175	442,555	78,026	88,256	138,808	100,072
Some difficulty in at least one domain	476,736	6.0	27,897	53,203	121,902	26,763	52,511	96,799	6,309	8,152	16,638	13,369	7,954	22,512	4,085	4,604	8,431	5,607
A lot of difficulty in at least one domain	102,445	1.3	6,249	11,742	22,447	7,034	13,197	20,055	1,289	1,782	3,749	2,944	1,838	4,991	1,027	889	1,946	1,266
Cannot do at all in at least one domain	22,925	0.3	1,327	2,328	4,531	1,678	3,162	4,886	271	617	914	684	288	1,103	228	191	359	358
Rural																		
Both Sexes																		
Total	11,515,183	100.0	870,021	1,054,455	397,050	849,957	1,248,883	1,812,101	539,726	252,033	436,525	486,160	427,879	981,936	378,016	363,749	845,105	571,587
No difficulty	10,426,174	90.5	801,615	936,622	368,607	726,219	1,110,381	1,649,090	498,226	231,600	405,126	450,945	381,932	906,738	350,395	336,901	761,058	510,719
Some difficulty in at least one domain	829,112	7.2	52,260	88,684	21,913	89,896	103,885	124,935	32,699	16,394	24,419	27,652	35,012	60,859	21,768	21,000	62,212	45,524
A lot of difficulty in at least one domain	209,692	1.8	13,010	24,134	5,261	27,813	27,882	30,560	7,139	3,195	5,501	5,883	9,132	11,569	4,484	4,501	17,708	11,920
Cannot do at all in at least one domain	50,205	0.4	3,136	5,015	1,269	6,029	6,735	7,516	1,662	844	1,479	1,680	1,803	2,770	1,369	1,347	4,127	3,424
Male																		
Total	5,755,963	100.0	453,968	513,815	197,685	404,611	627,802	912,493	282,448	131,669	221,275	251,451	218,586	484,114	191,406	177,583	408,386	278,671
No difficulty	5,278,880	91.7	422,142	465,750	185,524	355,733	566,174	840,505	261,849	121,601	207,111	234,719	197,269	449,650	178,684	165,478	373,253	253,438

| Severity of difficulty/Sex | All Regions | | Region | | | | | | | | | | | | | | | |
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Some difficulty in at least one domain	362,077	6.3	24,382	36,217	9,311	35,467	46,207	55,028	16,287	7,975	10,999	13,025	16,276	27,658	10,047	9,381	25,241	18,576
A lot of difficulty in at least one domain	89,223	1.6	5,785	9,442	2,224	10,639	11,939	13,030	3,341	1,593	2,360	2,777	4,119	5,328	1,956	2,013	7,759	4,918
Cannot do at all in at least one domain	25,783	0.4	1,659	2,406	626	2,772	3,482	3,930	971	500	805	930	922	1,478	719	711	2,133	1,739
Female																		
Total	5,759,220	100.0	416,053	540,640	199,365	445,346	621,081	899,608	257,278	120,364	215,250	234,709	209,293	497,822	186,610	186,166	436,719	292,916
No difficulty	5,147,294	89.4	379,473	470,872	183,083	370,486	544,207	808,585	236,377	109,999	198,015	216,226	184,663	457,088	171,711	171,423	387,805	257,281
Some difficulty in at least one domain	467,035	8.1	27,878	52,467	12,602	54,429	57,678	69,907	16,412	8,419	13,420	14,627	18,736	33,201	11,721	11,619	36,971	26,948
A lot of difficulty in at least one domain	120,469	2.1	7,225	14,692	3,037	17,174	15,943	17,530	3,798	1,602	3,141	3,106	5,013	6,241	2,528	2,488	9,949	7,002
Cannot do at all in at least one domain	24,422	0.4	1,477	2,609	643	3,257	3,253	3,586	691	344	674	750	881	1,292	650	636	1,994	1,685

TABLE 5.6: POPULATION 15 YEARS AND OLDER BY SEVERITY OF DIFFICULTY IN PERFORMING ACTIVITIES, SEX, LOCALITY TYPE, AND REGION

Severity of difficulty/Sex	All Regions		Regions															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
All Locality types																		
Both Sexes																		
Total	19,873,607	100.0	1,346,062	1,849,186	3,801,485	1,092,667	1,934,084	3,550,773	560,833	360,171	792,263	739,886	445,118	1,295,869	376,507	361,647	809,353	557,703
No difficulty	17,972,808	90.4	1,229,019	1,640,273	3,540,563	924,080	1,701,910	3,222,542	510,672	326,232	730,613	682,234	388,518	1,190,323	344,763	330,927	717,766	492,373
Some difficulty in at least one domain	1,458,998	7.3	89,769	159,834	209,732	123,225	173,593	253,539	39,356	26,617	47,388	44,895	43,119	83,544	24,459	23,822	67,589	48,517
A lot of difficulty in at least one domain	356,881	1.8	21,990	40,504	41,593	37,342	47,135	59,714	8,833	5,613	11,261	10,085	11,344	17,699	5,708	5,309	19,640	13,111
Cannot do at all in at least one domain	84,920	0.4	5,284	8,575	9,597	8,020	11,446	14,978	1,972	1,709	3,001	2,672	2,137	4,303	1,577	1,589	4,358	3,702
Male																		
Total	9,635,024	100.0	683,605	878,395	1,852,212	503,197	929,466	1,721,337	288,321	180,492	384,341	366,445	222,531	623,842	186,531	170,496	379,007	264,806
No difficulty	8,853,290	91.9	632,770	797,430	1,745,438	439,003	833,732	1,588,680	264,470	165,523	358,683	341,089	197,226	578,140	172,601	157,460	342,142	238,903
Some difficulty in at least one domain	594,227	6.2	38,915	61,690	84,565	46,722	70,974	101,362	18,732	11,634	19,487	19,471	19,222	35,820	10,726	9,900	26,246	18,761
A lot of difficulty in at least one domain	144,854	1.5	9,116	15,195	17,240	13,906	19,150	23,897	4,015	2,423	4,639	4,407	4,974	7,575	2,395	2,269	8,393	5,260
Cannot do at all in at least one domain	42,653	0.4	2,804	4,080	4,969	3,566	5,610	7,398	1,104	912	1,532	1,478	1,109	2,307	809	867	2,226	1,882
Female																		
Total	10,238,583	100.0	662,457	970,791	1,949,273	589,470	1,004,618	1,829,436	272,512	179,679	407,922	373,441	222,587	672,027	189,976	191,151	430,346	292,897
No difficulty	9,119,518	89.1	596,249	842,843	1,795,125	485,077	868,178	1,633,862	246,202	160,709	371,930	341,145	191,292	612,183	172,162	173,467	375,624	253,470
Some difficulty in at least one domain	864,771	8.4	50,854	98,144	125,167	76,503	102,619	152,177	20,624	14,983	27,901	25,424	23,897	47,724	13,733	13,922	41,343	29,756
A lot of difficulty in at least one domain	212,027	2.1	12,874	25,309	24,353	23,436	27,985	35,817	4,818	3,190	6,622	5,678	6,370	10,124	3,313	3,040	11,247	7,851
Cannot do at all in at least one domain	42,267	0.4	2,480	4,495	4,628	4,454	5,836	7,580	868	797	1,469	1,194	1,028	1,996	768	722	2,132	1,820
Urban																		
Both Sexes																		
Total	11,750,074	100.0	716,887	1,094,998	3,513,866	471,230	1,027,333	2,259,369	174,974	182,671	477,223	401,714	150,519	662,237	119,943	126,405	212,605	158,100

Severity of difficulty/Sex	All Regions		Regions															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
No difficulty	10,827,514	92.1	661,370	993,970	3,278,638	418,307	922,311	2,078,086	162,378	166,905	444,259	375,323	134,603	618,364	111,742	117,715	196,382	147,161
Some difficulty in at least one domain	720,321	6.1	43,242	79,195	190,006	39,628	78,840	141,774	9,870	12,058	25,222	20,356	12,344	34,127	6,157	6,810	12,378	8,314
A lot of difficulty in at least one domain	161,604	1.4	9,829	17,841	36,705	10,683	20,711	31,117	2,198	2,712	6,067	4,720	3,009	7,747	1,638	1,449	3,174	2,004
Cannot do at all in at least one domain	40,635	0.3	2,446	3,992	8,517	2,612	5,471	8,392	528	996	1,675	1,315	563	1,999	406	431	671	621
Male																		
Total	5,639,226	100.0	353,947	519,765	1,710,312	216,199	481,185	1,077,657	85,766	87,764	226,100	192,574	73,829	320,873	58,791	59,320	99,747	75,397
No difficulty	5,275,984	93.6	331,346	481,686	1,614,255	196,784	441,082	1,008,554	80,401	81,684	213,132	181,841	67,079	302,394	55,422	55,771	93,368	71,185
Some difficulty in at least one domain	279,454	5.0	17,495	29,598	76,381	14,407	29,496	53,134	4,130	4,599	9,684	8,089	5,164	14,263	2,517	2,682	4,738	3,077
A lot of difficulty in at least one domain	63,641	1.1	3,814	6,567	15,217	3,878	8,042	11,967	960	994	2,464	1,934	1,279	3,160	656	613	1,298	798
Cannot do at all in at least one domain	20,147	0.4	1,292	1,914	4,459	1,130	2,565	4,002	275	487	820	710	307	1,056	196	254	343	337
Female																		
Total	6,110,848	100.0	362,940	575,233	1,803,554	255,031	546,148	1,181,712	89,208	94,907	251,123	209,140	76,690	341,364	61,152	67,085	112,858	82,703
No difficulty	5,551,530	90.8	330,024	512,284	1,664,383	221,523	481,229	1,069,532	81,977	85,221	231,127	193,482	67,524	315,970	56,320	61,944	103,014	75,976
Some difficulty in at least one domain	440,867	7.2	25,747	49,597	113,625	25,221	49,344	88,640	5,740	7,459	15,538	12,267	7,180	19,864	3,640	4,128	7,640	5,237
A lot of difficulty in at least one domain	97,963	1.6	6,015	11,274	21,488	6,805	12,669	19,150	1,238	1,718	3,603	2,786	1,730	4,587	982	836	1,876	1,206
Cannot do at all in at least one domain	20,488	0.3	1,154	2,078	4,058	1,482	2,906	4,390	253	509	855	605	256	943	210	177	328	284
Rural																		
Both Sexes																		
Total	8,123,533	100.0	629,175	754,188	287,619	621,437	906,751	1,291,404	385,859	177,500	315,040	338,172	294,599	633,632	256,564	235,242	596,748	399,603
No difficulty	7,145,294	88.0	567,649	646,303	261,925	505,773	779,599	1,144,456	348,294	159,327	286,354	306,911	253,915	571,959	233,021	213,212	521,384	345,212
Some difficulty in at least one domain	738,677	9.1	46,527	80,639	19,726	83,597	94,753	111,765	29,486	14,559	22,166	24,539	30,775	49,417	18,302	17,012	55,211	40,203
A lot of difficulty in at least one domain	195,277	2.4	12,161	22,663	4,888	26,659	26,424	28,597	6,635	2,901	5,194	5,365	8,335	9,952	4,070	3,860	16,466	11,107
Cannot do at all in at least one domain	44,285	0.5	2,838	4,583	1,080	5,408	5,975	6,586	1,444	713	1,326	1,357	1,574	2,304	1,171	1,158	3,687	3,081

Severity of difficulty/Sex	All Regions		Regions															
	Number	Percent	Western	Central	Greater Accra	Volta	Eastern	Ashanti	Western North	Ahafo	Bono	Bono East	Oti	Northern	Savannah	North East	Upper East	Upper West
Male																		
Total	3,995,798	100.0	329,658	358,630	141,900	286,998	448,281	643,680	202,555	92,728	158,241	173,871	148,702	302,969	127,740	111,176	279,260	189,409
No difficulty	3,577,306	89.5	301,424	315,744	131,183	242,219	392,650	580,126	184,069	83,839	145,551	159,248	130,147	275,746	117,179	101,689	248,774	167,718
Some difficulty in at least one domain	314,773	7.9	21,420	32,092	8,184	32,315	41,478	48,228	14,602	7,035	9,803	11,382	14,058	21,557	8,209	7,218	21,508	15,684
A lot of difficulty in at least one domain	81,213	2.0	5,302	8,628	2,023	10,028	11,108	11,930	3,055	1,429	2,175	2,473	3,695	4,415	1,739	1,656	7,095	4,462
Cannot do at all in at least one domain	22,506	0.6	1,512	2,166	510	2,436	3,045	3,396	829	425	712	768	802	1,251	613	613	1,883	1,545
Female																		
Total	4,127,735	100.0	299,517	395,558	145,719	334,439	458,470	647,724	183,304	84,772	156,799	164,301	145,897	330,663	128,824	124,066	317,488	210,194
No difficulty	3,567,988	86.4	266,225	330,559	130,742	263,554	386,949	564,330	164,225	75,488	140,803	147,663	123,768	296,213	115,842	111,523	272,610	177,494
Some difficulty in at least one domain	423,904	10.3	25,107	48,547	11,542	51,282	53,275	63,537	14,884	7,524	12,363	13,157	16,717	27,860	10,093	9,794	33,703	24,519
A lot of difficulty in at least one domain	114,064	2.8	6,859	14,035	2,865	16,631	15,316	16,667	3,580	1,472	3,019	2,892	4,640	5,537	2,331	2,204	9,371	6,645
Cannot do at all in at least one domain	21,779	0.5	1,326	2,417	570	2,972	2,930	3,190	615	288	614	589	772	1,053	558	545	1,804	1,536

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