

# Pan American STEPS Survey Noncommunicable Diseases and Risk Factors 

Guyana<br>2016




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## Message from the Minister of Public Health, Guyana

Guyana is a country of unique diversification which makes it stand out from among most countries within the region. Land of many waters; six rich ethnic cultures under the motto of One people, One nation, One destiny, only English speaking country in South America; these are but a few of the characteristics that set Guyana apart from all others. However, its health profile has made it not so unique, as we continue to share the same issues and challenges as those around us.

In this regard, our main disease burden is the formidable gamut of noncommunicable diseases solely responsible for most of our deaths for as long as we can remember. Sadly, the figures continue to rise despite our many efforts to control the growing epidemic. Tobacco smoke, abuse of alcohol, lack of physical activity and unhealthy diets have been the main contributing factors to the onset of the noncommunicable diseases groups; sad to say, these very same factors are avoidable and can over time reduce the complications and deaths arising from the myriad of conditions namely cancers, heart diseases, diabetes and chronic lung diseases.

Regrettably, Guyana has fallen into the same health profile as other countries for precisely the same reasons; people are walking and exercising less, cooking less, are more stressed mentally and have more disposable income to indulge in unhealthy lifestyles. The increased carbon foot prints have brought about more pollution which has added to the already unhealthy environment, and it is quite clear that in order for the desired outcomes to be achieved, intense changes in behavior and lifestyles must occur.

The Government has and continues to do its part in ensuring that there is a halt to the growing incidence of noncommunicable diseases. An investment in the much needed Stepwise Approach to Chronic Diseases Risk Factor Surveillance was undertaken. The STEPS Survey has provided the country with the baseline figures related to the risk factors and vulnerable groups linked to noncommunicable diseases. We are in a much better position, with this data, to develop and implement appropriate responses to the surging epidemic.

This report is a commitment from the Government in ensuring that the optimum quality of health care is provided at every level to the People of Guyana. The guarantee of providing essential health services and medications is resonant, and it is my hope that the report brings to the table those burning issues which MUST be urgently addressed. Further, the need for a multi-sectoral approach cannot be overstated, for this is the only way forward in finding the right solutions for the challenges that are contained within this report.

The STEPS report is an important document, for which the country remains grateful. Sincerest gratitude is extended to all those who played a part, regardless of how small, and I wish to appeal to all stakeholders to continue to work in close collaboration, with the earnest resolve of impacting effectively on noncommunicable diseases, as we seek to address the country's health in the most sustainable and equitable manner. Our peoples' health and well-being are pivotal to the development and progress of our beloved country.

Hon. Volda Ann Lawrence, M.P.
Minister of Public Health

## Message from PAHO

Noncommunicable diseases (NCDs) are a complex public health matter and economic development challenge, which requires different interventions from the health sector, as well as sectors outside of health. The adoption of the Port of Spain Declaration in 2007 by Member States of the Caribbean Community (CARICOM), which focused on countries uniting to stop the epidemic of NCDs, and later the United Nations High Level meeting in 2011, represented a global struggle against NCDs. For the first time, Heads of States acknowledged that NCDs presented a major challenge to socioeconomic development.

The 2030 Agenda for Sustainable Development adopted at the United Nations Summit on Sustainable Development in September 2015, recognized NCDs as a major challenge for sustainable development. Countries have committed to develop national responses to the overall implementation of the Agenda, including the following goals related to NCDs:

- Reduce by one third premature mortality from NCDs
- Strengthen responses to reduce the harmful use of alcohol
- Achieve universal health coverage (UHC)
- Strengthen the implementation of the WHO Framework Convention on Tobacco Control (FCTC)
- Support the research and development of vaccines and medicines for NCDs that primarily affect developing countries
- Provide access to affordable essential medicines and vaccines for NCDs

Notwithstanding the implementation of interventions to reduce the growing global and regional burden, NCDs continue to be the leading cause of preventable and premature death and illness in Guyana.

The Pan American Health Organization/World Health Organization (PAHO/WHO) was pleased to provide the technical guidance for the first nationally representative Pan American STEPS Survey on Noncommunicable Diseases and Risk Factors. This survey was conducted in partnership with the Ministry of Public Health, Bureau of Statistics, and the Caribbean Public Health Agency and is a. The results of the survey provide baseline information on NCDs and their risk factors in the population.

PAHO/WHO is happy to report that the survey was conducted using an electronic device, instead of using printed materials; this made the data cleansing and primary analysis easier and less time consuming. This highlights the commitment of the Ministry of Public Health and the Bureau of Statistics to integrate modern IT technologies into its processes and interventions.

PAHO/WHO is confident that the findings from the survey will provide critical information to develop and guide evidence-driven interventions that address the growing burden of NCDs in Guyana. PAHO congratulates the Ministry of Public Health and its collaborating partners on the development of the Pan American STEPS Survey on Noncommunicable Diseases and Risk Factors and looks forward to providing sustained support for the implementation of interventions at the country and regional levels to reduce the growing burden of these diseases in Guyana.

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## Table of Contents

Message from the Minister of Public Health, Guyana ..... ii
Message from PAHO ..... iv
Acknowledgements .....  V
List of Tables. ..... 7
List of Figures ..... 9
Abbreviations ..... 11
Executive Summary ..... 12
Introduction ..... 16
Survey Objectives ..... 19
Survey Methods ..... 20
Results ..... 26
Demographics ..... 26
NCDs and their risk factors ..... 29
Tobacco use ..... 29
Tobacco control policy ..... 35
Alcohol consumption ..... 38
Fruit and vegetable consumption ..... 43
Salt consumption ..... 47
Physical activity ..... 50
History of raised blood pressure ..... 55
History of diabetes ..... 61
History of raised total cholesterol ..... 65
History of cardiovascular disease ..... 68
Lifestyle advice given by a doctor or health worker ..... 70
Health Screening ..... 71
Summary of combined risk factors ..... 74
Discussion ..... 75
Tobacco control ..... 75
Alcohol ..... 77
Healthy diet and lifestyle ..... 77
Health system response to NCDs and risk factors ..... 79
Surveillance. ..... 80
Conclusion ..... 82
Recommendations ..... 83
References ..... 85
Annexes ..... 88
Annex 1:2015 Progress Indicator Status ..... 89
Annex 2: STEPS Factsheet ..... 90
Annex 3: Tobacco Control Policies Factsheet ..... 90
Annex 4 : Questionnaire ..... 90
Annex 5: STEPS data book ..... 90

## List of Tables

Table 1. STEPS Listing by Regions ..... 21
Table 2. Distribution of STEPS Sample by rural and urban areas ..... 23
Table 3. Distribution of respondents by sex and age groups ..... 26
Table 4. Mean number of years of education, by sex and age groups ..... 26
Table 5. Highest level of education (\%), both sexes by age groups ..... 27
Table 6. Ethnic group (\%), both sexes by age groups ..... 27
Table 7. Marital status (\%), both sexes by age groups ..... 27
Table 8. Employment status (\%), by sex and age groups ..... 28
Table 9. Percentage of adults 18-69 years old, by smoking status, sex, and age groups ..... 30
Table 10. Mean age of tobacco smoking initiation among current smokers, by sex and age groups ..... 30
Table 11. Percentage of adults 18-69 years old who are current and daily tobacco smokers and current and daily cigarette smokers, by sex and age groups ..... 31
Table 12. Mean number of manufactured or hand-rolled cigarettes smoked per day among daily smokers 18-69 years old, by sex and age groups ..... 33
Table 13. Percentage of current smokers 18-69 years old who attempted to quit smoking in the past 12 months, by sex and age groups ..... 34
Table 14. Percentage of current smokers 18-69 years old who have been advised to quit smoking by a healthcare provider in the past 12 months, by sex and age groups ..... 34
Table 15. Percentage of current smokers 18-69 years old who noticed health warning on cigarette packages and considered quitting because of the warning labels during the last 30 days, by sex and age groups ..... 37
Table 16. Percentage of adults 18-69 years old, by alcohol consumption status, sex, and age groups ..... 38
Table 17. Percentage of former drinkers 18-69 years old who stopped drinking due to health reasons, by sex and age groups ..... 39
Table 18. Percentage of adults 18-69 years old who drank in the last 12 months, by alcohol consumption frequency, sex, and age groups ..... 40
Table 19. Percentage of adults 18-69 years old who consumed daily servings of fruit or vegetables, by consumption frequency, sex, and age groups ..... 46
Table 20. Percentage of adults 18-69 years old by self-reported frequency of salt consumption, sex and age groups ..... 47
Table 21. Percentage of adults 18-69 years old who think lowering salt in their diet is very, somewhat, or not at all important, by sex and age groups ..... 48
Table 22. Percentage of adults 18-69 years old who take specific action on a regular basis to control salt intake, by sex and age groups. ..... 49
Table 23. Percentage of adults 18-69 years old who do not meet WHO recommendations on physical activity for health, by sex and age groups ..... 50
Table 24. Percentage of adults 18-69 who are underweight, normal weight, overweight, and obese based on BMI, by sex and age groups ..... 54
Table 25. Percentage of adults 18-69 years old who have had blood pressure measured by a health worker and received a diagnosis, by sex and age groups ..... 55
Table 26. Percentage of adults 18-69 years old with raised blood pressure (SBP $\geq 140$ and/or DBP $\geq 90 \mathrm{mmHg}$ or higher) or on medication for raised blood pressure, by sex and age groups ..... 59
Table 27. Percentage of adults 18-69 years old with raised blood pressure (SBP $\geq 140$ and/or DBP $\geq 90 \mathrm{mmHg}$ or higher or on medication), by awareness, treatment and control status, sex, and age groups ..... 60
Table 28. Percentage of adults 18-69 years old who have had blood glucose measured by a health worker and received a diagnosis, by sex and age groups ..... 61
Table 29. Percentage of adults 18-69 years old with impaired fasting glycaemia, raised blood glucose, or current on medication for diabetes, by sex and age ..... 64
Table 30. Percentage of adults 18-69 years old who have had cholesterol measured by a health worker and received a diagnosis, by sex and age groups ..... 65
Table 31. Percentage of adults $18-69$ years old with total cholesterol $\geq 5.0 \mathrm{mmol} / \mathrm{L}$ or $\geq 190$ $\mathrm{mg} / \mathrm{dl}$, $\geq 6.2 \mathrm{mmol} / \mathrm{L}$ or $\geq 240 \mathrm{mg} / \mathrm{dl}$, or currently on medication for raised cholesterol, by sex and age groups ..... 67
Table 32. Percentage of adults $18-69$ years old with $\mathrm{HDL}<1.03 \mathrm{mmol} / \mathrm{L}$ or $<40 \mathrm{mg} / \mathrm{dl}$ or HDL $<1.03 \mathrm{mmol} / \mathrm{L}$ or $<40 \mathrm{mg} / \mathrm{dl}$, by sex and age groups ..... 67
Table 33. Percentage of adults 18-69 years old who report having a heart attack or chest pain from heart disease or a stroke, by sex and age groups ..... 68
Table 34. Percentage of females 18-69 years old who have had a cytological test, breast exam, or mammogram, by age groups ..... 72
Table 35. Percentage of adults 18-69 years old who have ever had feces examined for hidden blood or a colonoscopy, by sex and age groups ..... 73

## List of Figures

Figure 1. Percentage of adults 18-69 years old who currently smoke tobacco, by sex and age groups ..... 29
Figure 2. Percentage of adults 18-69 years old who are current smokers of various smoked tobacco products, by sex and age groups ..... 32
Figure 3. Percentage of adults 18-69 years old who noticed anti-cigarette smoking information during the last 30 days in the media ..... 35
Figure 4. Percentage of adults 18-69 years old who noticed cigarette marketing during the last 30 days in various places. ..... 36
Figure 5. Mean number of standard drinks consumed per drinking occasion among current drinkers 18-69 years old, by sex and age groups ..... 41
Figure 6. Percentage of adults 18-69 years old who consumed six or more drinks on a single occasion at least once during the past 30 days, by sex and age groups ..... 42
Figure 7. Mean number of days per week of fruit consumption among adults 18-69 years old, by sex and age groups ..... 43
Figure 8. Mean number of fruit servings consumed per day among adults 18-69 years old, by sex and age groups ..... 44
Figure 9. Mean number of days per week of vegetable consumption among adults 18-69 years old, by sex and age groups ..... 44
Figure 10. Mean number of vegetable servings consumed per day among adults 18-69 years old, by sex and age groups ..... 45
Figure 11. Percentage of adults 18-69 years old who meet low, moderate, and high levels of physical activity, by sex and age groups. ..... 51
Figure 12. Percentage of work, transport, and leisure activity that contribute to total activity among adults 18-69 years old, by sex and age groups ..... 52
Figure 13. Mean waist circumference (cm) of adults 18-69 years old, by sex and age groups. ..... 53
Figure 14. Mean Body Mass Index ( $\mathrm{kg} / \mathrm{m}^{2}$ ) of adults 18-69 years old, by sex and age groups. ..... 53
Figure 15. Percentage of adults $18-69$ years old classified as overweight ( $\mathrm{BMI} \geq 25$ ), by sex and age groups ..... 54
Figure 16. Percentage of adults 18-69 years old diagnosed with high blood pressure currently taking drugs (medication) for raised blood pressure or hypertension prescribed by a doctor or health worker, by sex and age groups ..... 56
Figure 17. Percentage of adults 18-69 years old diagnosed with high blood pressure who have sought advice or received treatment from a traditional healer for raised blood pressure, both sexes by age groups ..... 57
Figure 18. Mean systolic blood pressure ( mmHg ) of adults 18-69 years old, by sex and age groups ..... 58
Figure 19. Percentage of adults 18-69 years old diagnosed with raised blood sugar or diabetes currently taking insulin or medication for diabetes prescribed by a doctor or health worker, both sexes by age groups ..... 62
Figure 20. Percentage of adults 18-69 years old diagnosed with raised blood sugar or diabetes who have sought advice or received treatment from a traditional healer for diabetes, both sexes by age groups ..... 63
Figure 21. Percentage of adults 18-69 years old diagnosed with raised total cholesterol currently taking oral treatment (medication) for raised total cholesterol prescribed by a doctor or health worker, by sex and age groups ..... 66
Figure 22. Percentage of adults 18-69 years old diagnosed with raised cholesterol who have sought advice or received treatment from a traditional healer for raised cholesterol, both sexes by age groups ..... 66
Figure 23. Percentage of adults 18-69 years old regularly taking aspirin or statins to prevent or treat heart disease, both sexes by age groups ..... 69
Figure 24. Percentage of adults 18-69 years old who received lifestyle advice from their doctor or health worker within the past 3 years, by sex ..... 70
Figure 25. Percentage of females 18-69 years old who have ever been screened for cervical cancer, by age groups ..... 71
Figure 26. Percentage of females 18-69 years old who have been shown to do a breast self- examination, by age groups ..... 71
Figure 27. Percentage of females 18-69 years old who have never had a cytological test, breast exam, or mammogram, by age groups ..... 72
Figure 28. Percentage of males 18-69 years old who have ever had a prostate exam, by age groups ..... 73
Figure 29. Percentage of adults 18-69 with risk factors for NCDs, both sexes and age groups ..... 74

## Abbreviations

| BMI | Body Mass Index |
| :--- | :--- |
| CARICOM | Caribbean Community |
| CI | Confidence Interval |
| cm | Centimeters |
| DALY | Disability-Adjusted Life Year |
| DBP | Diastolic Blood Pressure |
| ED | Enumeration District |
| g | Grams |
| GMF | Global Monitoring Framework |
| GYD | Guyanese Dollar |
| GYTS | Global Youth Tobacco Survey |
| HDL | High Density Lipoprotein |
| HPV | Human Papillomavirus |
| LDL | Low Density Lipoprotein |
| LMIC | Low and Middle-Income County |
| mg/dl | Milligrams per Deciliter |
| mmHG | Millimetres of Mercury |
| mmol/L | Millimoles per Litre |
| NCD | Noncommunicable Disease |
| NCD CCS | NCD Country Capacity Survey |
| Pap | Papanicolaou test |
| PSU | Primary Sampling Unit |
| SBP | Systolic Blood Pressure |
| UHC | Universal Health Coverage |
| UMIC | Upper Middle-Income Country |
| UNHLM | United Nations High Level Meeting |
| USD | United States of America Dollar |
| VIA | Visual Inspection with Acetic Acid |
| WHO FCTC | World Health Organization Framework Convention on Tobacco Control |
|  |  |

## Executive Summary

Noncommunicable diseases (NCDs) and their risk factors are the leading cause of death worldwide. In Guyana, 68\% of deaths in 2016 were attributed to NCDs, specifically, cardiovascular disease (34\%), cancers (8\%), diabetes (8\%), and chronic respiratory diseases $(3 \%)$. The risk of premature death (between the ages of $30-70$ years) from NCDs is $31 \%$ in Guyana, which has negative impacts on the economic productivity and health care expenditures of the country(1).

The Pan American STEPS survey is version of the WHO STEPS wise approach methodology for the region of the Americas. In order to produce national estimates for the burden of NCDs and their risk factors and assess changes over time within a representative sample of the population, the World Health Organization (WHO) and Pan American Health Organization (PAHO) developed the Pan American STEPS Survey Noncommunicable Diseases and Risk Factors instrument. This Pan American STEPS Survey includes three different levels of data collection. Step 1 is a household questionnaire that gathers demographic and behavioral information; Step 2 collects physical measurements; and Step 3 collects blood and urine samples for biochemical analysis. In Guyana, Step 2 data collection included body weight, height, waist circumference, and blood pressure measurements. Wet blood samples (venous blood samples) were used for Step 3 that measured blood glucose, lipid profiles, and presence of hemoglobinopathies, such as sickle cell anemia and Thalassemia ${ }^{1}$.

Guyana conducted the Pan American STEPS Survey version 3.1 from September 28 to October 26, 2016 using digital tablets. The Survey was implemented as a population-based survey of adults aged 18-69 years old. The sample size and allocation were based upon the 2012 census frame and included 288 enumeration districts from both the coastal and inland regions; 12 households were randomly selected within each enumeration district. A total of 3.456 households were selected for participation in Step 1 and $50 \%$ of this sample was randomly selected for participation in Step 3. Mapping and relisting of the 288 enumeration districts was conducted in July 2016 since the 2012 census was outdated.

The total sample size was 3,456 adults and the overall response rate was $77 \%$ for Steps 1 and 2. For Step 3, the total sample size was 1,728 and the overall response rate was $40 \%$. The sampling methodology and weighting of the data in analysis facilitated the representativeness of the results for the population in Guyana. The use of STEPS as a standardized and validated tool also ensured the comparability of the results.

Of the 2,662 respondents, $40.1 \%(1,068)$ were males and $59.9 \%(1,594)$ were females. A majority (60.1\%) of both males and females represented the younger age bracket, ages 18-44.

## Tobacco control

Overall prevalence of current tobacco smoking was $15.4 \%$ (12.3-18.4) for both males and females across all age groups. Males were much more likely to be current smokers than females ( $26.6 \%$, $21.2-32.0$ and $3.3 \%, 2.3-4.4$, respectively). Likewise, the pattern of consumption demonstrates

[^0]more daily smokers than occasional smokers within the adult population ( $10.8 \%$ and $4.6 \%$, respectively). Older males aged 45-69 reported higher current daily smoking ( $24.6 \%, 19.3-30.0$ ), yet also represented the largest group of former smokers (30.4\%, 23.6-37.1). Excluding "other," manufactured cigarettes were the most common type of tobacco smoked among current smokers, followed by cigars, cheroots, cigarillos, and hand-rolled cigarettes (95.3\%, 92.4-98.2; 7.0\%, 2.411.6 ; and $7.0 \%, 3.2-10.8$, respectively).

Nearly one third of adults (29.4\%, 26.7-32.1) reported that they saw advertisements promoting cigarettes in stores within the last 30 days. Among current smokers, $85.9 \%$ (79.8-91.9) reported noticing health warnings on cigarette packages and of these, $63.5 \%$ (54.0-73.0) thought about quitting because of the warning labels. It is important to acknowledge that the 2016 Pan American STEPS Survey was conducted prior to the introduction of the Tobacco Control Act 2017, as such, there were no tobacco control policy in place at the time.

## Alcohol

Alcohol consumption was more common among males than females with more than half of all males reporting drinking in the past 30 days (59.3\%, 54.9-63.8 and 21.4\%, 18.9-24.0, respectively). Heavy episodic drinking, defined as consuming at least 60 grams or more of pure alcohol on at least one occasion in the past 30 days, was also more common among males, particularly those $18-44$ years old ( $38.4 \%, 32.7-44.2$ ). This demonstrates patterns of alcohol use that may lead to acute consequences, such as violence and injuries.

## Healthy diet and lifestyle

Consumption of the recommended five servings of fruits and vegetables per day was met by only $6.4 \%$ (5.0-7.8) of adults 18-69. Vegetables were consumed more frequently than fruits ( 4.8 days, 4.7-5.0 and 3.3 days, 3.2-3.4, respectively).

Information was also collected regarding self-reported salt consumption. Lowering salt in diet was acknowledged as very important ( $70.9 \%, 67.5-74.3$ ); though less than half reported reading salt or sodium content on food labels and buying low sodium alternatives ( $40.2 \%, 37.0-43.4$ and $35.8 \%, 32.7-38.9$, respectively). This dichotomy suggests a gap between knowledge and practice in lowering salt intake.

Physical activity was also inadequate with 29.3\% (26.9-31.8) not meeting the WHO recommendations. Both males and females reported physical activity from work and for transport, with less activity during leisure time ( $53.9 \%, 51.1-56.6 ; 33.9 \%, 31.2-36.6$; and $12.3 \%$, 10.7-13.8, respectively). Physical inactivity levels were reflected in prevalence of overweight and obesity. Half of adults were considered overweight ( $50.3 \%, 24.6-28.9$ ) or obese ( $23.6 \%, 21.3-$ 25.9). Physical inactivity was lower among females, as such, females were more likely to have a BMI higher than or equal to $25 \mathrm{~kg} / \mathrm{m}^{2}$ than males ( $61.8 \%, 58.6-65.0$ and $39.8 \%, 34.6-44.9$, respectively).

## Health system response to NCDs and risk factors

Approximately one in four adults in Guyana have not had their blood pressure measured (24.1\%, 21.0-27.2) and most adults have never had their blood sugar or total cholesterol measured
( $52.4 \%, 49.9-54.9$ and $72.1 \%, 69.8-74.3$, respectively). However, one in every four ( $26.4 \%$ ) adults had raised blood pressure (SBP $\geq 140$ and/or DBP $\geq 90 \mathrm{mmHg}$ or higher) or were currently on medication for raised blood pressure. Among those diagnosed with raised blood pressure, nearly half ( $45.5 \%$ ) were unaware of their condition, suggesting there may be a large proportion of hypertension not yet diagnosed within the population. Less than one in every five (17.1\%) adults aged 18-69 had controlled their raised blood pressure. Likewise, one in every ten (11.5\%, 8.514.4) had high blood sugar or were on medication for diabetes and nearly half of all adults ( $50.1 \%$, 45.7-54.5) had high cholesterol or were on medication for high cholesterol.

Females and those in the 45-69 age group were most likely to receive lifestyle advice from a doctor when compared to males aged 18-44. The most frequent lifestyle advice offered was related to diet and maintaining a healthy body weight, which may reflect the responsiveness of the health system to stem the overweight and obesity epidemic.

Health screenings are also important tools that when standardized can lead to early detection and prevention of disease. However, in Guyana, a majority of females have never had a screening test for cervical cancer, mammogram, or breast exam (77\%, 73.9-80.1; 89.9\%, 88.0-91.9; and 70.9\%, 67.8-74.1, respectively); likewise, a majority of men never have had a prostate exam ( $6.7 \%, 5.2$ 8.3 have had an exam).

Finally, the Pan American STEPS Survey shows a majority ( $66.8 \%, 64.8-68.8$ ) of adults in Guyana demonstrated 1-2 risk factors and nearly $75 \%$ (73.1-77.4) of those aged 18-44 years old fell into this category, suggesting the likelihood of developing chronic diseases is occurring at younger ages. Nearly one in every three adults (31.9\%, 29.9-33.8) had 3 or more risk factors. This risk assessment considered current daily smoking habits, insufficient fruit and vegetable consumption, physical inactivity, obesity, and the existence of raised blood pressure.

## Recommendations

The results of the Pan American STEPS Survey reinforce the need for continued focus and implementation of Guyana's Strategic Plan for the Integrated Prevention and Control of Chronic Noncommunicable Diseases and their Risk Factors, 2013-2020. As such, the following recommendations are presented to reduce the burden of NCDs and risk factors in Guyana and are based upon the respective priority actions of the WHO Global Action Plan for NCDs 2013:

## Priority Action 1: Reigniting the political commitment

- NCDs should remain as a priority issue for attention and resources as outlined in Guyana's National Health Vision 2020 and adequate resources allocated for the sustained implementation of the Strategic Plan for the Integrated Prevention and Control of Chronic Noncommunicable Diseases and their Risk Factors, 2013-2020.


## Priority Action 2 - Implement multisectoral NCDs plans of action

- Guyana should continue to work to build the capacity of the National NCDs Commission.
- Efforts to collate data on NCDs and related risk factors in the country from other health sectors should be defined.
- The country should also strengthen efforts to undertake health economic studies on NCDs to generate evidence on cost of NCDs and their impact in the country and the region to guide NCDs policies and plans.
- Guyana should continue to use the WHO Tools for developing, implementing and monitoring the implementation of the National Multisectoral Action Plan for NCDs.
- Efforts should be made to strengthen partnerships and collaboration with academic institutions, civil society organizations, and UN agencies, including PAHO, in an effort to harmonize and intensify efforts for NCDs prevention and control within the country.


## Priority Action 3 - Implement regulatory policies on risk factors

- Guyana should strengthen efforts to support region-wide initiatives, to develop where necessary, and implement common regulations and legislations for tobacco control, alcohol, ultra -processed foods and sugar sweetened beverages as part of CARICOM's responsibility.
- There should be sustained advocacy and action for the inclusion of taxes in the country's national tobacco legislation in keeping with the benchmark of $70 \%$.
- There should be finalization of the National Alcohol Policy and more aggressive efforts to develop and/or adopt policies to promote physical activity


## Priority Action 4 - Work towards universal health coverage and universal access to health

- Guyana should continue to work aggressively towards the achievement of universal health coverage and universal access to health.
- The country should endeavor to utilize the PAHO strategic fund to improve access to quality NCDs medication at lower prices for greater investment in health at the primary health care level and implement human resources for health training in order to increase skills and competencies of personnel in NCDs prevention, screening and early detection, and NCDs management.
- The country should continue to work to strengthen the delivery of health services at the regional levels and foster better collaboration with other sectors outside of health, particularly the Ministry of Communities.


## Priority Action 5 - Strengthen surveillance and data collection

- The country should focus to strengthen at least 4 of the key sources of information that are relevant for NCDs: mortality information system, population-based surveys collection data on youth and adult, cancer registry and primary health care information system.
- Guyana should strengthen their capacity to monitor its progress on the implementation of policies and measure the 25 indicators and 9 targets established at the Global Monitoring Framework on NCDs.
- Pan American STEPS Survey should be integrated at the national survey system established by the Guyana Bureau of Statistics to be implemented every 4 to 5 years with funds being planned and allocated for this activity as part of the national calendar.
- NCDs and their Risk Factors should be included in the national surveillance system response normative along with the communicable disease, violence and injuries.


## Introduction

## Commitments to Control and Prevent NCDs

In response to the growing burden of NCDs, global and regional commitments have been made over the past 15 years to raise the profile of NCDs and their risk factors in health, social protection, and economic development agendas.

The landmark 2007 Port of Spain Declaration of the Caribbean Community (CARICOM) was a crucial step towards the United Nations High Level Meeting on NCDs (UNHLM) and its political declaration adopted in $2011(2,3)$. The 2011 Political Declaration lead to efforts to respond to the burden of NCDs, including the development and endorsement of the Global (2013-2020) and Regional (2013-2019) Action Plans for the Prevention and Control of NCDs (4, 5). In addition to establishing objectives and lines of work, the Global Action Plan provides two important tools: a menu of policy options and cost-effective interventions that address the key NCDs and risk factors known as "NCDs Best Buys" and a Global Monitoring Framework (GMF) that is comprised of 9 voluntary targets and 25 indicators ( 6,7 ).

During the second UNHLM on NCDs held in 2014, an outcome document was presented establishing the need to monitor progress in the implementation of the "NCDs Best Buys" (8). Then in 2015, world leaders formally adopted the 2030 Agenda for Sustainable Development at the United Nations, in which NCDs were included and developed 10 progress indicators to be used by the World Health Organization (WHO) to demonstrate progress achieved in the implementation of commitments included in the 2011 UN Political Declaration and 2014 UN Outcome Document on NCDs ( 9,10 ). Most recently in 2018, the third UNHLM on NCDs was held calling for an acceleration of response to NCDs (11).

In Guyana, the Strategic Plan for the Integrated Prevention and Control of Chronic Noncommunicable Diseases and their Risk Factors, 2013-2020, aligns with Global and Regional action plan for the prevention and control of NCD $(8,12)$. This plan includes a framework of action that addresses the need for multisectoral policies and partnerships, NCD risk factors and protective factors, health system response, surveillance, and research.

To track progress toward achievements, Guyana's Strategic Plan for the Integrated Prevention and Control of Chronic Noncommunicable Diseases and their Risk Factors, 2013-2020 includes the 9 voluntary targets from the GMF (12). The timely measurement and reporting of these monitoring frameworks require a surveillance system that can produce and analyze data in a systematic, periodic, standardized, and sustainable manner. These data should be used to guide decision-making processes. Guyana's successful completion of this first Pan American STEPS Survey represents its commitment to produce a baseline to monitor NCDs and strengthen national surveillance capacity.

## Overview of the burden of NCDs

NCDs are by far the major cause of deaths globally and in the Americas. In 2016, 81\% of all deaths were due to NCDs. Among these deaths, $39 \%$ were between the ages of 30 to 70 years old. Cardiovascular diseases (34.9\%), cancer ( $24.3 \%$ ), diabetes ( $6.2 \%$ ) and respiratory chronic
diseases (8.9\%), are the four leading causes of NCD premature deaths (30-70 years old) in the Region. In 2016, a 30 -year-old individual leaving in the Americas had a $15.1 \%$ chance of dying from any of the four major NCDs before reaching the age of 70. (13).

These four main NCDs share four modifiable risk factors: tobacco use, harmful use of alcohol, unhealthy diet, and physical inactivity. These in turn lead to other key metabolic/physiological changes, such as overweight and obesity, raised blood pressure, raised blood glucose, and higher cholesterol levels $(7,14)$. Comparisons of the prevalence of risk factors across the six WHO regions highlight the worrying state of health in the Americas.

The worldwide prevalence of overweight ( $\mathrm{BMI} \geq 25 \mathrm{~kg} / \mathrm{m}^{2}$ ) is $38.9 \%$ (15). However, in the Region of the Americas, $62.5 \%$ of persons are overweight (15). Likewise, the prevalence of obesity (BMI $\geq 30 \mathrm{~kg} / \mathrm{m}^{2}$ ) in the world is $13.1 \%$, while in the Americas the prevalence is more than double that of the global average ( $28.6 \%$ ) (15). This makes the Americas the most obese region in the world (16). Among school-age children and adolescents, overweight prevalence rates are steadily surging and are reaching, on average, one in four children (16).

Following a similar pattern, the Region ranks first among WHO Regions with the highest prevalence of insufficient physical activity ( $39.1 \%$ ) and second in alcohol consumption per capita ( 8.2 grams of pure alcohol), exceeded only by the European region (17, 18). A decline in current tobacco smoking prevalence among adults has been recorded, changing from $22.1 \%$ in 2007 to $16.9 \%$ in 2016, mainly because countries have made progress implementing the WHO FCTC demand reduction measures (19).

The Americas are not among the top 3 WHO Regions with the highest prevalence of raised blood pressure and raised blood glucose, but it is a concern based on the current status of other key modifiable risk factors $(20,21)$. A strong response from the health care sector is required to prevent and control NCDs.

An assessment to identify countries' progress towards the implementation of the "Best Buys" was completed in 2015, prior to the implementation of the Pan American STEPS Survey in Guyana. The results of this assessment are presented through a set of indicators called the "10 progress indicators" reported in the Noncommunicable Diseases Progress Monitor (22, 23). These indicators provide an overview on the implementation status of the WHO "Best Buys," national surveillance capacity, and response from the health care system in the country and across the region of the Americas. The results of the progress indicators show that even though two countries in the Region (Costa Rica and Brazil) rank among the top 10 countries in the world for progress, this is not enough (23). Guyana fully achieved 3 indicators in 2015 and since implementing the Pan American STEPS Survey, fully achieved 4 indicators in 2017; however, more work needs to be done $(22,23)$.

There is an urgent need for countries to accelerate the implementation of the cost-effective "Best Buy" policies, especially among the Caribbean Countries. Of the 12 Non-Latin Caribbean countries assessed in the Noncommunicable Diseases Progress Monitor 2015, the majority have only fully achieved 3 or fewer of the progress indicators with Jamaica and Suriname achieving 9 and 7, respectively (22). Since then, the 2017 assessment was conducted and no significant improvements were made in Guyana or the Caribbean (23). This progress is inadequate and without immediate action, reaffirmed political commitment, and significant investment, Global and Regional targets to reduce the burden of NCDs and their risk factors will not be met.

The results of the Pan American STEPS Survey presents the status of NCDs and their risk factors and highlights the need for Guyana to accelerate the implementation of NCD policies. Significant progress toward fully achieving the progress indicators is expected from Guyana in the next Noncommunicable Diseases Progress Monitor assessment in 2021.

## Survey Objectives

The implementation of Guyana's Pan American STEPS Survey allows countries to strengthen national surveillance capacity to monitor and report on NCDs and their risk factors.

The main objective of implementing the Pan American STEPS Survey is to produce nationally representative data for NCDs and their risk factors (modifiable and biological), to support the assessment and implementation of policies and programmes.

The following objectives are to be met through the conduction of this Pan American STEPS Survey:

- To produce current national estimates for NCDs and their risk factors by applying a gold standard protocol, especially on physical and biological measurements, and report on the global, regional and national NCDs monitoring framework; and
- To assess changes over time on the status of the NCDs and its modifiable and biological risk factors in a representative sample of the population, while exploring demographic and socioeconomic characteristics of this population.


## Survey Methods

## Scope

The Pan American STEPS Survey 3.1 was used to collect data on NCDs and their risk factors from September 28 to October 26, 2016. The Survey collects data and measures behavioral and biological risk factors across the population through 3 distinct "steps." In Guyana, the process was as follows:

Step 1 Collect demographic and behavioral information through face-to-face interview in household setting;

Step 2 Collect physical measurements in household setting;
Step 3 Collect blood samples in household setting.
Within each step, there are three levels of data collection which include core, expanded, and optional questions. The Guyana Survey included all three steps. Step 1 provides information from responses to the survey questionnaire about health history and behavior related to NCD risk factors. Step 2 provides information from non-invasive physical measurements, such as body weight, height, waist circumference, and blood pressure. Step 3 provides biochemical information from urine or blood tests; venous blood samples were used in Guyana. Optional modules on dietary salt, nutrition intake, mental health, and violence and injury were also implemented in Guyana.

Collected data includes:

- Demographic information (age; sex; years and level of education; ethnicity; marital status; employment status; household income)
- Behavioral (tobacco and alcohol use; diet, including salt intake and fruit and vegetable consumption; and physical activity)
- Physical measurements (blood pressure; height; weight; waist circumference; heart rate)
- Metabolic risk factors (blood glucose, lipid profiles, and presence of hemoglobinopathies, such as sickle cell anemia and Thalassemia)
- Lifestyle advice
- Cancer screening
- Health screening
- Violence and injury ${ }^{2}$
- Mental health/Suicide ${ }^{2}$


## Target Population

All adults aged 18 to 69 residing in Guyana during the period of data collection.

[^1]
## Sample size and sample allocation

The STEPS sample was prepared by the Guyana Bureau of Statistics following the recommended STEPS sample methodology.

Guyana is divided into 10 administrative regions (table 1) and each region is further divided into enumeration districts (EDs). Urban centers are located in regions 2, 4, 6, 7 and 10. The 2012 census frame was used for the selection of the EDs. A total of 288 EDs, which was determined to be adequate for the Survey, were allotted to each stratum proportional to its population size. Thereafter, within each stratum, the specified number of census EDs/Primary Sampling Units (PSUs) were selected systematically with probability proportional to size.

Table 1. STEPS Listing by Regions

| Regions | No. of EDs | No. of Listers <br> by Region |
| :--- | ---: | ---: |
| Coastal regions |  |  |
| Region 2 | 18 | 2 |
| Region 3 | 42 | 6 |
| Region 4 | 118 | 16 |
| Region 5 | 20 | 3 |
| Region 6 | 43 | 6 |
| Region 7 | 8 | 4 |
| Region 10 | 15 | 2 |
| Inland regions |  |  |
| Region 1 | 11 | 4 |
| Region 8 | 4 | 4 |
| Region 9 | 9 | 4 |
| Total | $\mathbf{2 8 8}$ | $\mathbf{5 1}$ |

For each of the 288 selected EDS, 12 households were identified for enumeration by simple random selection. Most of the household selection was done in the office with the use of the computer, while simple random tables were used in the field by the team supervisors for some remote areas. These were areas for which the ED population count could not have been communicated to the office for the selection to be done. This provides a total of 3,456 households selected for the survey from the 288 EDs.

For Step 3, which collects biochemical information, $50 \%$ of the sample was randomly selected for participation. The total sample size was 1,728 .

The sample size was calculated using the following parameters:

$$
n=\frac{t^{2} *\left[p^{*}(1-p)\right]}{M O E^{2} * r} * \text { Deff } * \text { AgeGrp }
$$

Where

- $\quad t$ describes the level of uncertainty in the sample mean or prevalence as an estimate of the population mean or prevalence. Recommended value: 1.96 (for $95 \%$ confidence level)
- $\quad \mathrm{p}$ is the estimated prevalence of the risk factors within the target population. Values closest to $50 \%$ are the most conservative. Recommended value: 0.5 if no previous data on population, else value closest to 0.5 from previous data
- Deff is the design effect which describes the loss of sampling efficiency due to using a complex sample design. Recommended value for sampling strategies that involve cluster sampling: 1.5
- AgeGrp is the number of age-sex groups for which estimates will be calculated. Two age groups [18-44 and 45-69 years] for both males and females were used for the Guyana Survey.
- MOE is the margin of error which is the expected half-width of the confidence interval. The smaller the margin of error, the larger the sample size needed. Recommended value: 0.05 (for small baseline levels, e.g. <.10, a smaller MOE of 0.02 or 0.01 is appropriate)
- $\quad r$ is the expected response rate. Recommended value: enter response rate from previous national/subnational household surveys, else use 0.8 as an estimate

With $t=1.96, p=0.5$ (due to limited availability of representative baseline data, a baseline level of $50 \%$ was selected to ensure the most appropriate sample), Deff $=1.5$, AgeGrp $=4, \mathrm{MOE}=0.05$, and $r=0.6668$ (a response rate of $66.68 \%$ was selected based on the experience and response rates of other surveys over the years such as the recent Demographic Health Survey of 2009):

$$
\begin{gathered}
n=\frac{t^{2} *[p *(1-p)]}{M O E^{2} * r} * \text { Deff } * \text { AgeGrp } \\
n=\frac{1.96^{2} *[0.5 *(1-0.5)]}{0.05^{2} * 0.6668} * 1.5 * 4=3,456
\end{gathered}
$$

The distribution of the sample across urban and rural enumeration districts is shown below:
Table 2. Distribution of STEPS Sample by rural and urban areas

| 2012 Census |  |  |  |
| :--- | ---: | ---: | ---: |
| Stratum | Population <br> by EDs | Sample <br> EDs | Sample <br> households |
| RURAL areas |  |  |  |
| 1 Barima - Waini | 27,643 | 11 | 132 |
| 2 Pomeroon - Supenaam (rural) | 35,514 | 14 | 168 |
| 3 West Dem - Essequibo Islands | 107,785 | 42 | 504 |
| 4 Demerara-Mahaica (rural) | 187,067 | 71 | 852 |
| 5 Mahaica - Rosignol | 49,820 | 20 | 240 |
| 6 Berbice (rural) | 78,869 | 31 | 372 |
| 7 Cuyuni - Mazaruni | 9,479 | 4 | 48 |
| 8 Potaro - Siparuni | 11,077 | 4 | 48 |
| 9 Upper Takatu - UpperEssequibo | 24,238 | 9 | 108 |
| 10 Upper Demerara (rural) | 10,622 | 4 | 48 |
| URBAN areas |  |  |  |
| 11 Anna Regina | 11,296 | 4 | 48 |
| 12 City of Georgetown | 25,763 | 10 | 120 |
| 13 Suburbs - Georgetown | 98,733 | 37 | 444 |
| 14 Corriverton and Rose Hall | 15,143 | 6 | 72 |
| 15 New Amsterdam | 15,640 | 6 | 72 |
| 16 Linden | 29,370 | 11 | 132 |
| 17 Bartica | 8,896 | 4 | 48 |
| Guyana | $\mathbf{7 4 6 , 9 5 5}$ | $\mathbf{2 8 8}$ | $\mathbf{3 , 4 5 6}$ |
| Rural total |  | $\mathbf{2 1 0}$ | $\mathbf{2 , 2 5 0}$ |
| Urban total | $\mathbf{7 6}$ | 936 |  |

## Listing activities

The mapping and listing exercise was carried out on the coast from July 14-28, 2016, prior to the commencement of the field work. In the interior this exercise was carried out from September 29 to the October 25, 2016 during the actual field work activities. Unlike on the coast, where generally the listing was done and the sample was drawn in office, in the interior the listing was carried out by the data collection teams and most of the sample households were drawn in the field, prior to conducting interviews in those areas where it was difficult to relay the listing information to the office. There were fifty-one persons involved in the listing process with region four accounting for the largest number. Table 2 provides information by coastal and inland regions.

Relisting of the 288 EDs for the Pan American STEPS Survey was necessary since it was felt that the 2012 census list needed updating based on the dynamics of the Guyanese population with the many new emerging housing schemes.

The listing and mapping exercise utilized teams consisting of two persons in each team: one listed and the other mapped the cluster. All the teams were supervised by checkers. The main responsibilities of the checkers were to:

- Obtain base maps for all EDs selected for the survey;
- Identify the boundaries of each of the assigned ED;
- Ensure that all listing materials (Manual for Mapping and Household Listing, mapping and listing forms) were obtained before going to the field;
- Plan and organize fieldwork logistics (e.g. arranging for transport, identifying and contacting local officials and village elders in each ED to inform them about the listing operation and to obtain their cooperation); and
- Monitor and verify that the quality of work is acceptable.


## Data Collection

Data was collected by 16 teams of 6 persons, including 1 supervisor, 1 technician, and 4 interviewers. Trained interviewers administered the Pan American STEPS Survey version 3.1 questionnaire face-to-face using digital tablets. Interviewers took physical measurements for Step 2, while trained health care workers administered the biochemical tests for Step 3 using wet blood samples.

For Step 3, the participant was notified of their selection to participate in Step 3 by the interviewer. Written informed consent was read to the participant. This was completed three times to ensure comprehension. The participant then provided informed consent to participate with a signature or a thumb print, which was affixed to the consent form.

Once informed consent was completed, the participant was informed of the requirement for fasting 8 hours prior to blood draw. The participant confirmed an appointment date and time for the phlebotomist to return to the house to draw blood samples. The appointment date was recorded on an appointment schedule that included a barcode unique to the participant. This barcode was used for linking results from Steps 1, 2, and 3 in analysis.

The phlebotomist returned to the household on the scheduled appointment date. The appointment schedule with the unique barcode was scanned by electronic tablet to confirm identity. Blood samples were drawn and the date, time, and participant's unique identifier were recorded on the sample test tube.

Samples were appropriately packaged, stored, and transported in a cooling chamber to the central laboratory in Georgetown. Samples were transported daily and tested immediately upon receipt. Results of the blood sample were shared every 2 to 3 days to the Office of the Coordinator.

## Approaches to Data Analysis

The data were analyzed using Epi-Info. A separate quality assurance process with an independent analysis was undertaken using STATA. This separate analysis concurred with the first analysis.

## Results

## Demographics

The total sample size was 3,456 adults, aged 18-69. The overall response rate was $77 \%$ for Steps 1 and 2 and $40 \%$ for Step 3. The following section describes the demographic characteristics of the sample population ${ }^{3}$.

Table 3. Distribution of respondents by sex and age groups

|  | Males |  | Females |  | Both Sexes |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Age Group <br> (years) | N | $\%$ | N | $\%$ | N | $\%$ |
| $18-44$ | 601 | 22.6 | 1000 | 37.6 | 1601 | 60.1 |
| $45-69$ | 467 | 17.5 | 594 | 22.3 | 1061 | 39.9 |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{1 0 6 8}$ | $\mathbf{4 0 . 1}$ | $\mathbf{1 5 9 4}$ | 59.9 | $\mathbf{2 6 6 2}$ | $\mathbf{1 0 0}$ |

Of the 2,662 respondents, $40.1 \%(1,068)$ were males and $59.9 \%(1,594)$ were females. A majority (60.1\%) of both males and females represented the younger age bracket, ages 18-44.

Table 4. Mean number of years of education, by sex and age groups

| Males |  |  |  | Females |  | Both Sexes |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Age Group <br> (years) | N | Mean | N | Mean | N | Mean |  |
| $18-44$ | 597 | 9.9 | 996 | 9.9 | 1593 | 9.9 |  |
| $45-69$ | 461 | 9.1 | 584 | 8.6 | 1045 | 8.9 |  |
| $18-69$ | 1058 | 9.6 | 1580 | 9.4 | $\mathbf{2 6 3 8}$ | $\mathbf{9 . 5}$ |  |

The overall mean number of years of education reported for both sexes combined was 9.5 years, with only a small difference between males and females ( 9.6 years and 9.4 years, respectively). The mean number of years of education for both sexes combined was higher in the 18-44 years age group than in the $45-69$ age group ( 9.9 years and 8.9 years, respectively). Furthermore, the difference in years of education was higher among younger females aged 18-44 (9.9 years) compared to females aged 45-69 ( 8.6 years), representing a difference of 1.3 years. This scenario is not seen among males.

[^2]Table 5. Highest level of education (\%), both sexes by age groups

| Age <br> Group <br> (years) | N | No <br> formal <br> schooling | Less <br> than <br> primary <br> school | Primary <br> school <br> completed | Secondary <br> school <br> completed | Tertiary/ <br> Technical <br> completed | University <br> completed | Post <br> graduate <br> degree <br> completed |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $18-44$ | 1601 | 2.2 | 5.4 | 40.0 | 38.2 | 10.7 | 3.1 | 0.4 |
| $45-69$ | 1059 | 2.1 | 11.2 | 51.5 | 23.9 | 7.5 | 3.0 | 0.8 |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{2 6 6 0}$ | $\mathbf{2 . 2}$ | $\mathbf{7 . 7}$ | $\mathbf{4 4 . 5}$ | $\mathbf{3 2 . 5}$ | $\mathbf{9 . 4}$ | $\mathbf{3 . 0}$ | $\mathbf{0 . 6}$ |

Overall, the younger population had higher rates of secondary (38.2\%) than tertiary and technical completed years of education (10.7\%) compared with the older group ( $23.9 \%$ and $7.5 \%$ respectively). Conversely, higher proportions of the older population reported having only completed up to primary schooling.

Table 6. Ethnic group (\%), both sexes by age groups

| Age Group <br> (years) | N | East <br> Indian | African/Black | Amerindian | Chinese | Portuguese | Mixed | White |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $18-44$ | 1600 | 36.6 | 28.2 | 13.8 | 0.1 | 0.3 | 20.7 | 0.3 |
| $45-69$ | 1061 | 43.5 | 27.9 | 12.5 | 0 | 0.2 | 15.6 | 0.2 |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{2 6 6 1}$ | $\mathbf{3 9 . 4}$ | $\mathbf{2 8 . 1}$ | $\mathbf{1 3 . 3}$ | $\mathbf{0 . 1}$ | $\mathbf{0 . 3}$ | $\mathbf{1 8 . 7}$ | $\mathbf{0 . 2}$ |

Table 6 shows the distribution by ethnic group among the respondents to the survey. Those identified as East Indian accounted for more than one third of respondents (39.4\%), followed by African/Black (28.1\%), Amerindian (13.3\%) and mixed (18.7\%) and small numbers of Portuguese ( $0.3 \%$ ), White ( $0.2 \%$ ), and Chinese ( $0.1 \%$ ) respondents. There were no differences in selfreported ethnic group between the two age groups.

Table 7. Marital status (\%), both sexes by age groups

| Age Group <br> (years) | N | Never <br> married | Currently <br> married | Separated | Divorced | Widowed | Cohabiting/ <br> Common- <br> Law |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $18-44$ | 1598 | 36.7 | 29.2 | 3.1 | 1.6 | 0.9 | 28.5 |
| $45-69$ | 1060 | 18.8 | 44.7 | 7.1 | 4.9 | 11.1 | 13.4 |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{2 6 5 8}$ | $\mathbf{2 9 . 6}$ | $\mathbf{3 5 . 4}$ | $\mathbf{4 . 7}$ | $\mathbf{2 . 9}$ | $\mathbf{5 . 0}$ | $\mathbf{2 2 . 5}$ |

Of the respondents aged 18-69 years, $29.6 \%$ had never been married, $35.4 \%$ were currently married, $22.5 \%$ reported being in cohabitation/common law relationships, $5.0 \%$ were widowed, $4.7 \%$ were separated and $2.9 \%$ were divorced. No differences were seen in marital status between male and female respondents.

Table 8. Employment status (\%), by sex and age groups

| Age Group <br> (years) | N | Government <br> employee | Non- <br> Government <br> employee | Self- <br> employed | Unpaid |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Males |  |  |  |  |  |
| $18-44$ | 600 | 16.2 | 31.3 | 43.8 | 8.7 |
| $\mathbf{4 5 - 6 9}$ | 467 | 13.7 | 19.7 | 43.0 | 23.6 |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{1 0 6 7}$ | $\mathbf{1 5 . 1}$ | $\mathbf{2 6 . 2}$ | $\mathbf{4 3 . 5}$ | $\mathbf{1 5 . 2}$ |
| Females |  |  |  |  |  |
| $\mathbf{1 8 - 4 4}$ | 999 | 12.2 | 15.2 | 21.1 | 51.5 |
| $\mathbf{4 5 - 6 9}$ | 593 | 8.1 | 8.8 | 25.1 | 58.0 |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{1 5 9 2}$ | $\mathbf{1 0 . 7}$ | $\mathbf{1 2 . 8}$ | $\mathbf{2 2 . 6}$ | $\mathbf{5 3 . 9}$ |
| Both Sexes |  |  |  |  |  |
| $\mathbf{1 8 - 4 4}$ | 1599 | 13.7 | 21.3 | 29.6 | 35.4 |
| $\mathbf{4 5 - 6 9}$ | 1060 | 10.6 | 13.6 | 33.0 | 42.8 |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{2 6 5 9}$ | $\mathbf{1 2 . 4}$ | $\mathbf{1 8 . 2}$ | $\mathbf{3 1 . 0}$ | $\mathbf{3 8 . 4}$ |

Of the survey respondents aged 18-69 years, $38.4 \%$ were unpaid, with more females reporting being unpaid (53.9\%) than males ( $15.2 \%$ ). Males reported being self-employed at about twice the percentage as females ( $43.5 \%$ for males as compared to $22.6 \%$ for females). This was also true for employment in the non-government sector where $26.2 \%$ of males were employed, as compared to $12.8 \%$ of females. Differences were smaller in the percentage of employment in the government sector ( $15.1 \%$ for males and $10.7 \%$ for females).

In terms of respondent income, 1,948 reported a mean annual per capita income of \$428,354.2 in Guyanese dollars (approximately $\$ 2,056$ USD).

## NCDs and their risk factors

The information presented in the following sections were collected through face-to-face interviews. The results are weighted to create generalizable data representative of the entire population of Guyana.

## Tobacco use

Information collected in this section provides a clear understanding of the patterns of consumption and the types of products used within the population of Guyana.

Figure 1. Percentage of adults 18-69 years old who currently smoke tobacco, by sex and age groups

${ }^{1}$ Current tobacco smokers are defined as those who reported smoking either daily or less than daily
The prevalence of current tobacco smoking was $15.4 \%$ (12.3-18.4) for both males and females across all age groups. Nearly one third (31.6\%, 24.1-39.2) of males aged 45-69 were current smokers, while less than one quarter (24.4\%, 18.6-30.2) of males aged 18-44 reported current smoking.

Males were much more likely to be current smokers than females, as the responses reported by females for current smoking was very small and should be considered when interpreting the results presented.

Table 9. Percentage of adults 18-69 years old, by smoking status, sex, and age groups

| Age Group (years) | Daily |  | Occasional |  | Former |  | Never |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Percentage (95\% CI) |  |  |  |  |  |  |  |  |
| Males |  |  |  |  |  |  |  |  |
| 18-44 | 16.3 | (11.3-21.4) | 8.1 | (5.5-10.6) | 18.7 | (14.6-22.8) | 56.9 | (51.7-62.2) |
| 45-69 | 24.6 | (19.3-30.0) | 7.0 | (3.2-10.8 | 30.4 | (23.6-37.1) | 38.0 | (31.3-44.7) |
| 18-69 | 18.8 | (14.6-23.0) | 7.8 | (5.6-9.9) | 22.2 | (18.4-26.0) | 51.3 | (46.7-55.8) |
| Females |  |  |  |  |  |  |  |  |
| 18-44 | 1.6 | (0.7-2.6) | 1.5 | (0.4-2.6) | 8.2 | (6.0-10.4) | 88.6 | (86.1-91.1) |
| 45-69 | 3.4 | (1.8-5.0) | 0.3 | (0.0-0.7) | 8.3 | (4.7-12.0) | 88.0 | (83.9-92.1) |
| 18-69 | 2.2 | (1.4-3.0) | 1.1 | (0.4-1.9) | 8.3 | (6.4-10.1) | 88.4 | (86.4-90.5) |
| Both Sexes |  |  |  |  |  |  |  |  |
| 18-44 | 9.3 | (6.6-12.1) | 4.9 | (3.5-6.3) | 13.7 | (11.2-16.1) | 72.1 | (69.0-75.1) |
| 45-69 | 14.1 | (11.2-17.1) | 3.7 | (1.7-5.7) | 19.5 | (15.9-23.0) | 62.7 | (57.7-67.7) |
| 18-69 | 10.8 | (8.5-13.1) | 4.6 | (3.4-5.8) | 15.5 | (13.5-17.4) | 69.2 | (66.3-72.0) |

In Guyana, the pattern of consumption demonstrates more daily smokers than occasional smokers within the adult population ( $10.8 \%$ and $4.6 \%$, respectively). Among current smokers, $70.8 \%$ (64.8-76.9) of males and 65.8\% (50.3-81.3) of females are daily smokers.

Among adults aged 18-69, older males aged 45-69 reported higher current daily smoking ( $24.6 \%$ ), yet also represented the largest group of former smokers (30.4\%). This was similarly seen among older females in terms of daily smoking (3.4\%); however, the proportion of former smoking for females was nearly the same for both age groups.

Table 10. Mean age of tobacco smoking initiation among current smokers, by sex and age groups

| Age Group <br> (years) | Males | Females |
| :---: | :---: | :---: |
| $18-44$ | 16.0 | 23.2 |
| $45-69$ | 19.7 | 20.5 |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{1 7 . 5}$ | $\mathbf{2 1 . 9}$ |

Current smokers are defined as those who reported smoking either daily or less than daily.
The mean age of smoking initiation among current male smokers aged 18-44 was 16.0 years, nearly four years younger than the older group (19.7 years). The opposite was true for females. The mean age of smoking initiation among current female smokers aged 18-44 was 23.2 years compared to 20.5 years for females aged 45-69 years.

Table 11. Percentage of adults 18-69 years old who are current and daily tobacco smokers and current and daily cigarette smokers, by sex and age groups

|  | Tobacco Smokers |  |  |  | Cigarette Smokers |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Age Group (years) | Current ${ }^{1}$ |  | Daily |  | Current ${ }^{1}$ |  | Daily |  |
| Percentage (95\% CI) |  |  |  |  |  |  |  |  |
| Males |  |  |  |  |  |  |  |  |
| 18-44 | 24.4 | (18.6-30.2) | 16.3 | (11.3-21.4) | 23.3 | (17.4-29.2) | 15.6 | (10.6-20.7) |
| 45-69 | 31.6 | (24.1-39.2) | 24.6 | (19.3-30.0) | 30.4 | (22.9-37.9) | 23.7 | (18.3-29.0) |
| 18-69 | 26.6 | (21.6-32.0) | 18.8 | (14.6-23.0) | 25.4 | (19.9-30.9) | 18.0 | (13.8-22.2) |
| Females |  |  |  |  |  |  |  |  |
| 18-44 | 3.2 | (1.8-4.5) | 1.6 | (0.7-2.6) | 2.8 | (1.4-4.1) | 1.6 | (0.7-2.6) |
| 45-69 | 3.7 | (2.0-5.3) | 3.4 | (1.8-5.0) | 3.1 | (1.6-4.7) | 3.0 | (1.4-4.5) |
| 18-69 | 3.3 | (2.3-4.4) | 2.2 | (1.4-3.0) | 2.9 | (1.9-3.9) | 2.1 | (1.2-2.9) |
| Both Sexes |  |  |  |  |  |  |  |  |
| 18-44 | 14.3 | (11.0-17.5) | 9.3 | (6.6-12.1) | 13.5 | (10.2-16.8) | 8.9 | (6.2-11.7) |
| 45-69 | 17.8 | $(13.7-22.0)$ | 14.1 | (11.2-17.1) | 16.9 | (12.6-21.0) | 13.4 | (10.5-16.4) |
| 18-69 | 15.4 | (12.3-18.4) | 10.8 | (8.5-13.1) | 14.5 | (11.4-17.6) | 10.3 | (8.0-12.6) |

${ }^{1}$ Current smokers are defined as those who reported smoking either daily or less than daily.
Daily tobacco smokers are most likely to be daily cigarette smokers; there was little difference between the proportion of those who smoked tobacco and those who smoked cigarettes among daily smokers ( $10.8 \%$ and 10.3\%).

Figure 2. Percentage of adults 18-69 years old who are current smokers of various smoked tobacco products, by sex and age groups

${ }^{1}$ Current tobacco smokers are defined as those who reported smoking either daily or less than daily

Manufactured cigarettes were the most common type of tobacco product smoked among male and female current smokers of all ages ( $95.9 \%, 92.9-98.8$ and $90.5 \%, 82.3-98.7$, respectively). In addition to manufactured cigarettes, current male smokers reported use of cigars, cheroots, and cigarillos, as well as hand-rolled cigarettes. Preference varied by age with the younger male age group using cigars, cheroots, and cigarillos ( $8.2 \%, 0.6-15.8$ ) and other tobacco products not listed ( $8.2 \%, 3.5-12.9$ ), more than the hand-rolled cigarettes ( $7.0 \%, 2.0-12.0$ ). While the older males reported using cigars, cheroots, and cigarillos ( $6.3 \%, 0.9-11.8$ ) in addition to hand-rolled cigarettes (6.1\%, 1.7-10.6), more than other tobacco products ( $6.0 \%, 0.9-11.1$ ).

Similar product preferences were seen among females, though greater variation in consumption patterns by age was demonstrated. In addition to manufactured cigarettes, the younger females reported use of hand-rolled cigarettes ( $13 \%, 0.0-34.3$ ) and other tobacco products $(12.3 \%, 0.0-$
26.2), but not cigars, cheroots, or cigarillos ( $0 \%$ ). Among the older females, cigars, cheroots, and cigarillos ( $7 \%, 4.6-9.4$ ) were preferred to other tobacco products $(3.5 \%, 0.0-10.6)$ and handrolled cigarettes (3\%, 0.0-9.0).

Table 12. Mean number of manufactured or hand-rolled cigarettes smoked per day among daily smokers 18-69 years old, by sex and age groups

| Age Group (years) | Mean number of manufactured or hand-rolled cigarettes smoked per day among daily cigarette smokers |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | < 5 |  | 5-9 |  | 10-14 |  | 15-24 |  | $\geq 25$ |  |
| Percentage (95\% CI) |  |  |  |  |  |  |  |  |  |  |
| Males |  |  |  |  |  |  |  |  |  |  |
| 18-44 | 32.3 | (6.8-57.7) | 13.8 | (4.8-22.7) | 32.5 | (17.9-47.1) | 18.5 | (8.3-28.7) | 3.0 | (0.0-6.3) |
| 45-69 | 25.0 | (10.4-39.6) | 23.7 | (12.4-34.9) | 25.3 | (14.4-36.2) | 22.2 | (13.1-31.2) | 3.8 | (0.0-7.8) |
| 18-69 | 29.4 | (8.9-49.9) | 17.6 | (9.7-25.6) | 29.7 | (18.6-40.8) | 20.0 | (12.0-27.9) | 3.3 | (0.8-5.9) |
| Females |  |  |  |  |  |  |  |  |  |  |
| 18-44 | 29.4 | (0.0-60.9) | 40.5 | (8.4-72.6) | 11.5 | (0.0-25.6) | 15.4 | (0.0-37.2) | 3.2 | (0.0-10.0) |
| 45-69 | 8.0 | (0.0-20.1) | 14.6 | (0.0-35.7) | 41.1 | (13.7-68.5) | 32.1 | (8.6-55.7) | 4.2 | (0.0-12.9) |
| 18-69 | 19.7 | (0.0-39.5) | 28.8 | (7.9-49.7) | 24.9 | (8.5-41.3) | 22.9 | (6.7-39.1) | 3.6 | (0.0-9.2) |
| Both Sexes |  |  |  |  |  |  |  |  |  |  |
| 18-44 | 32.0 | (8.5-55.5) | 16.1 | (6.9-25.3) | 30.6 | (17.0-44.3) | 18.2 | (8.7-27.8) | 3.0 | (0.0-6.1) |
| 45-69 | 23.1 | (9.8-36.4) | 22.7 | (12.4-33.0) | 27.1 | (17.0-37.2) | 23.3 | (14.6-31.9) | 3.9 | (0.3-7.5) |
| 18-69 | 28.5 | (9.6-47.3) | 18.7 | (11.1-26.4) | 29.2 | (18.9-39.6) | 20.3 | (12.8-27.7) | 3.3 | (1.0-5.7) |

On average, daily male smokers were more likely to report an average of 10-14 cigarettes smoked per day (29.7\%), as opposed to females who were most likely to report an average of 5-9 cigarettes per day (28.8\%).

Among daily smokers, males on average smoked 9.5 manufactured cigarettes per day with little variance between age groups. Females, however, reported a higher number of daily manufactured cigarettes within the older population (11.8) compared to the younger one (7.5). Cigars, cheerots, and cigarillos were popular among both sexes aged 45-69 reporting approximately 0.8 per day, while the 18-44 age bracket reported little to no use among males and females ( 0.2 and 0 , respectively). Hand-rolled cigarettes were more popular among females aged 18-44 (0.6) than males of the same age (0.3).

Table 13. Percentage of current smokers 18-69 years old who attempted to quit smoking in the past 12 months, by sex and age groups

| Age Group <br> (years) | Attempted to quit |  |
| :---: | :---: | :---: |
| Percentage (95\% CI) |  |  |
| Males | 57.4 | $(48.3-66.5)$ |
| $18-44$ | 61.0 | $(47.9-74.0)$ |
| $45-69$ | 58.7 | $\mathbf{( 5 1 . 9 - 6 5 . 4 )}$ |
| $18-69$ | 75.4 | $(59.0-91.8)$ |
| Females | 54.9 | $(32.6-77.1)$ |
| $18-44$ | 68.3 | $\mathbf{( 5 4 . 4 - 8 2 . 2 )}$ |
| $45-69$ | 59.3 | $(51.1-67.5)$ |
| $18-69$ | 60.3 | $(48.4-72.3)$ |
| Both Sexes |  |  |
| $18-44$ | 59.7 | $(53.6-65.7)$ |
| $45-69$ |  |  |

A majority of male and female current smokers reported attempts to stop smoking in the 12 months prior to the survey date ( $58.7 \%$ and $68.3 \%$, respectively). Among the younger age group, males were slightly less likely to report an attempt to stop smoking compared to the older age group ( $57.4 \%$ and $61 \%$, respectively). In contrast, among females aged $18-44$ approximately 3 out of every $4(75.4 \%)$ reported an attempt to stop smoking, while only slightly more than half ( $54.9 \%$ ) of women aged $45-69$ reported the same.

Table 14. Percentage of current smokers 18-69 years old who have been advised to quit smoking by a healthcare provider in the past 12 months, by sex and age groups

| Age Group <br> (years) | Advised to quit |  |
| :---: | :---: | :---: |
| Percentage (95\% CI) |  |  |
| Males | 32.5 | $(19.0-45.9)$ |
| $18-44$ | 41.9 | $(22.6-61.2)$ |
| $45-69$ |  |  |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{3 6 . 1}$ | $(22.0-50.2)$ |
| Females |  |  |
| $18-44$ | 23.0 | $(1.2-44.9)$ |
| $45-69$ | 22.9 | $(1.7-44.2)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{2 3 . 0}$ | $(6.4-39.5)$ |
| Both Sexes |  |  |
| $18-44$ | 31.4 | $(19.0-43.8)$ |
| $45-69$ | 40.1 | $(22.2-57.9)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{3 4 . 7}$ | $\mathbf{( 2 1 . 6 - 4 7 . 7 )}$ |

Among male current smokers who had visited a doctor or other health worker in the past 12 months, a little more than one third (36.1\%) reported being advised by a doctor to stop smoking. In contrast, less than one quarter (23\%) of female smokers who visited a doctor reported being advised to quit.

## Tobacco control policy

To assess tobacco policies, information was collected about awareness of anti-cigarette information in various media platforms, cigarette advertising within stores, and other cigarette promotions within the last 30 days. Among current smokers, information was collected regarding the awareness of health warnings on cigarette packages and the impact of these messages on the smokers' decision making.

Figure 3. Percentage of adults 18-69 years old who noticed anti-cigarette smoking information during the last 30 days in the media


More adults (49.8\%, 46.6-53.0) reporting seeing information on television about the dangers of smoking or that encourages quitting during than last 30 days than similar information on radio or newspaper/magazine outlets ( $29.1 \%$, 5.8-32.3 and $31.3 \%$, 28.3-34.4, respectively). There were no differences based on sex or age groups.

Figure 4. Percentage of adults 18-69 years old who noticed cigarette advertisement and promotion during the last 30 days in various places

| \% | 100 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 80 |  |  |  |  |  |  |  |
|  | 60 |  |  |  |  |  |  |  |
|  | 40 |  |  |  |  |  |  | 29.4 |
|  | $20.4 .0-7.4$ |  |  |  |  |  |  |  |
|  | 0 |  |  |  |  |  |  |  |
|  | $\square$ Cigarette promotions in the mail |  |  |  |  |  |  |  |
|  | $\square$ Clothing or other items with a cigarette brand name or logo |  |  |  |  |  |  |  |
|  | ■ Free gifts or special discount offers on other products with cigarette purchase |  |  |  |  |  |  |  |
|  | $\square$ Coupons for cigarettes |  |  |  |  |  |  |  |
|  | $\square$ Sale prices on cigarettes |  |  |  |  |  |  |  |
|  | $\square$ Free samples of cigarettes |  |  |  |  |  |  |  |
|  | ■ Advertisements or signs promoting cigarettes in stores |  |  |  |  |  |  |  |

Nearly one third of adults ( $29.4 \%, 26.7-32.1$ ) reported that they saw advertisements promoting cigarettes in stores within the last 30 days. Sale prices on cigarettes ( $7.4 \%, 6.0-8.8$ ) was the second most frequently reported type of promotion. Younger females were slightly more likely to have noticed promotion of tobacco products, such as advertisements or signs in stores, free samples, sale prices, and coupons than did older females ( $31.0 \%, 27.0-35.0$ and $22.9 \%, 18.3-27.4$; $3.2 \%, 2.0-4.4$ and $2.4 \%, 1.3-3.6 ; 8.3 \%, 5.9-10.8$ and $5.0 \%, 3.0-7.0 ; 5.3 \%, 3.0-7.6$ and $4.1 \%, 2.2-6.0$, respectively). However, overall there was little variance in awareness of these promotions based on sex and age groups.

Table 15. Percentage of current smokers 18-69 years old who noticed health warning on cigarette packages and considered quitting because of the warning labels during the last 30 days, by sex and age groups

|  | Current smokers ${ }^{1}$ who... |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Age Group <br> (years) | Noticed health <br> warnings on <br> cigarette package | Thought about <br> quitting because of <br> warning label |  |  |
| Males | Percentage $(95 \%$ CI) |  |  |  |
| $18-44$ | 86.6 | $(79.0-94.2)$ | 66.7 | $(56.4-77.0)$ |
| $45-69$ | 88.7 | $(82.3-95.2)$ | 55.9 | $(39.5-72.4)$ |
| $18-69$ | 87.4 | $(81.5-93.2)$ | 62.8 | $(52.5-73.2)$ |
| Females |  |  |  |  |
| $18-44$ | 71.4 | $(47.5-95.3)$ | 79.9 | $(60.6-99.1)$ |
| $45-69$ | 72.5 | $(52.8-92.2)$ | 56.8 | $(32.4-81.1)$ |
| $18-69$ | 71.8 | $(55.0-88.6)$ | 70.7 | $(56.3-85.0)$ |
| Both Sexes |  |  |  |  |
| $18-44$ | 85.2 | $(77.3-93.1)$ | 67.7 | $(58.1-77.3)$ |
| $45-69$ | 87.0 | $(80.7-93.3)$ | 56.0 | $(40.9-71.2)$ |
| $18-69$ | 85.9 | $(79.8-91.9)$ | 63.5 | $(54.0-73.0)$ |

${ }^{1}$ Current tobacco smokers are defined as those who reported smoking either daily or less than daily
Among current male smokers, $87.4 \%$ reported noticing health warnings on cigarette packaging with little variance based on age. Of these males, the younger group ( $66.7 \%$ ) was more likely to consider quitting smoking after seeing the warning label, while only a little more than half ( $55.9 \%$ ) of the older group experienced the same. Among females, $71.8 \%$ noticed the warning label and of these, $70.7 \%$ thought about quitting as a result with similar variances as seen among males between the younger and older groups ( $79.9 \%$ and $56.8 \%$, respectively), suggesting the warning labels have a greater impact on smoking cessation efforts of younger generations, especially younger females. However, it must be reiterated that the results represent a small sample size of reporting female current smokers.

The average cigarette expenditure for 20 manufactured cigarettes was 430.6 GYD , approximately 2.07 USD. There were slight variances between age groups with males and females aged 18-44 purchasing at a lower price than those 45-69 years old (428.1 GYD or 2.05 USD and 436.1 GYD or 2.09 USD, respectively), which may be the result of purchasing the manufactured cigarettes individually. However, overall, there were no differences in the price reported by either age or sex.

## Alcohol consumption

Another risk factor for NCDs is alcohol consumption. A series of questions were asked to assess the volume of alcohol consumed and patterns of drinking, such as the frequency of drinking and amount consumed per drinking occasion.

Table 16. Percentage of adults 18-69 years old, by alcohol consumption status, sex, and age groups

| Age Group (years) | Current drinkers ${ }^{1}$ |  | Not current drinkers ${ }^{2}$ |  | Abstainers ${ }^{3}$ |  | Lifetime abstainers ${ }^{4}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Percentage (95\% CI) |  |  |  |  |  |  |  |
| Males |  |  |  |  |  |  |  |  |
| 18-44 | 63.8 | (58.5-69.1) | 13.6 | (9.9-17.2) | 10.2 | (4.9-15.5) | 12.4 | (8.8-16.0) |
| 45-69 | 48.9 | (42.6-55.2) | 14.6 | (10.3-18.8) | 19.1 | (14.8-23.5) | 17.4 | (12.6-22.2) |
| 18-69 | 59.3 | (54.9-63.8) | 13.9 | (10.8-17.0) | 12.9 | (8.4-17.3) | 13.9 | (10.7-17.1) |
| Females |  |  |  |  |  |  |  |  |
| 18-44 | 25.3 | (22.0-28.5) | 21.7 | (18.4-25.0) | 16.3 | (13.3-19.4) | 36.7 | (32.5-40.9) |
| 45-69 | 13.1 | (9.9-16.3) | 11.8 | (8.5-15.1) | 24.7 | (19.5-29.9) | 50.4 | (45.1-55.8) |
| 18-69 | 21.4 | (18.9-24.0) | 18.6 | (16.2-21.0) | 19.0 | (16.3-21.6) | 41.0 | (37.4-44.6) |
| Both Sexes |  |  |  |  |  |  |  |  |
| 18-44 | 45.4 | (41.9-48.9) | 17.5 | (15.0-19.9) | 13.1 | (10.0-16.2) | 24.0 | (20.7-27.3) |
| 45-69 | 31.2 | (27.3-35.1) | 13.2 | (10.3-16.1) | 21.9 | (17.9-25.8) | 33.7 | (29.7-37.7) |
| 18-69 | 41.0 | (38.1-44.0) | 16.2 | (14.2-18.1) | 15.8 | (12.9-18.8) | 27.0 | (24.1-29.9) |

${ }^{1}$ Current drinkers are those who report drinking in the past 30 days
${ }^{2}$ Not current drinkers are those who report drinking in the past 12 months
${ }^{3}$ Abstainers are those who report abstaining from alcohol in the past 12 months
${ }^{4}$ Lifetime abstainers are those who report not drinking
More than half of all males reported drinking in the past 30 days. Nearly six in every ten males (63.8\%) between 18-44 years old reported drinking alcohol in the 30 days prior compared to nearly five in every ten males (48.9\%) in the 45-69 age group. Females were less likely to report drinking alcohol (21.4\%). Twice as many of the females in the younger age bracket (25.3\%) compared to those 45-69 years old (13.1\%) reported consuming alcohol in the past 30 days.

Table 17. Percentage of former drinkers 18-69 years old who stopped drinking due to health reasons, by sex and age groups

| Age Group <br> (years) | Stopped drinking |  |
| :---: | :--- | :---: |
| Males | Percentage (95\% Cl) |  |
| $18-44$ | 30.9 | $8.0-53.7$ |
| $45-69$ | 31.3 | $14.7-48.0$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{3 1 . 1}$ | $\mathbf{2 0 . 8 - 4 1 . 3}$ |
| Females |  |  |
| $18-44$ | 17.9 | $10.4-25.4$ |
| $45-69$ | 12.3 | $5.5-19.0$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{1 5 . 6}$ | $\mathbf{1 0 . 1 - 2 1 . 1}$ |
| Both Sexes |  |  |
| $18-44$ | 23.2 | $13.8-32.5$ |
| $45-69$ | 20.7 | $13.0-28.4$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{2 2 . 1}$ | $\mathbf{1 7 . 1 - 2 7 . 1}$ |

Of the former drinkers, those who report not drinking in the past 12 months, approximately one third (31.3\%) of males responded they had stopped drinking for health reasons, such as a negative impact of drinking of their health or as per advice of a doctor or other health worker. Females were less likely than males to have stopped drinking for health reasons.

Table 18. Percentage of adults 18-69 years old who drank in the last 12 months, by alcohol consumption frequency, sex, and age groups

| Age Group (years) | Daily |  | 5-6 days/week |  | 3-4 days/week |  | 1-2 days/week |  | 1-3 days/month |  | < once a month |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| les | Percentage (95\% CI) |  |  |  |  |  |  |  |  |  |  |  |
| 18-44 | 2.3 | (1.3-3.4) | 3.3 | (1.8-4.8) | 2.7 | (0.9-4.4) | 5.1 | (2.7-7.4) | 21.8 | (17.7-25.9) | 30.8 | (27.1-34.5) |
| 45-69 | 3.5 | (1.6-5.4) | 4.6 | (2.1-7.2) | 4.9 | (1.8-7.9) | 5.5 | (2.0-9.0) | 19.1 | (13.3-24.9) | 21.9 | (16.9-26.9) |
| 18-69 | 2.6 | (1.7-3.6) | 3.6 | (2.3-5.0) | 3.2 | (1.8-4.7) | 5.2 | (3.2-7.1) | 21.2 | (18.0-24.4) | 28.7 | (25.7-31.7) |
| Females |  |  |  |  |  |  |  |  |  |  |  |  |
| 18-44 | 0.6 | (0.0-1.3) | 0.4 | (0.0-1.3) | 1.5 | (0.5-2.6) | 8.6 | (5.3-12.0) | 25.1 | (20.5-29.6) | 63.7 | (57.8-69.7) |
| 45-69 | 0.5 | (0.0-1.3) | 1.7 | (0.0-3.9) | 1.5 | (0.0-3.1) | 6.7 | (2.4-11.0) | 17.3 | (9.4-25.2) | 73.3 | (63.8-80.8) |
| 18-69 | 0.6 | (0.1-1.2) | 0.7 | (0.0-1.5) | 1.5 | (0.6-2.4) | 8.3 | (5.5-11.0) | 23.5 | (19.6-27.5) | 65.4 | (60.1-70.6) |
| Both Sexes |  |  |  |  |  |  |  |  |  |  |  |  |
| 18-44 | 2.3 | (1.3-3.4) | 1.9 | (0.7-3.0) | 3.8 | (2.2-5.4) | 21.8 | (17.7-25.9) | 30.8 | (27.1-34.5) | 39.4 | (35.4-43.4) |
| 45-69 | 3.5 | (1.6-5.4) | 4.0 | (1.7-6.3) | 4.4 | (1.8-7.0) | 19.1 | (13.3-24.9) | 21.9 | (16.9-26.9) | 47.1 | (40.4-53.9) |
| 18-69 | 2.6 | (1.7-3.6) | 2.4 | (1.4-3.4) | 3.9 | (2.6-5.3) | 21.2 | (18.0-24.4) | 28.7 | (25.7-31.7) | 41.2 | (37.9-44.6) |

Of those who reported drinking in the last 12 months, males were more likely to report drinking alcohol more frequently than females. A total of $9.4 \%$ of males of all ages reported drinking daily to at least 3-4 days every week compared to $2.8 \%$ of all females. Frequency of alcohol consumption also varied by age. Males and females aged 18-44 were less likely to drink daily, 56 , or 3-4 times a week than those aged $45-69$ ( $2.3 \%$ and $3.5 \% ; 1.9 \%$ and $4 \% ; 3.8 \%$ and $4.4 \%$, respectively). This pattern of frequency of alcohol consumption continued among those 18-44 years old with $21.8 \%$ reporting consumption 1-2 days per week and $30.8 \% 1-3$ days per month compared to that of males and females aged $45-69$ reporting $19.1 \%$ and $21.9 \%$, respectively.

Figure 5. Mean number of standard drinks ${ }^{1}$ consumed per drinking occasion among current drinkers 18-69 years old, by sex and age groups


In terms of the amount of alcohol consumed, the mean number of standard drinks per drinking occasion for males aged $18-69$ was 5.6 ( $5.0-6.2$ ). The average number for females aged $18-69$ was 3.5 (3.1-3.9). Although both sexes in the younger group reported drinking slightly more than those in the older groups, there was no difference in the average number of drinks between the younger and older drinkers.

Figure 6. Percentage of adults 18-69 years old who consumed six or more drinks on a single occasion at least once during the past 30 days, by sex and age groups


Heavy episodic drinking measures the consumption of at least 60 grams or more of pure alcohol on at least one occasion in the past 30 days. This indicator identifies patterns of alcohol use that may lead to acute consequences, such as injuries. Over one third ( $34.1 \%, 29.5-38.8$ ) of all males reported having $\geq 6$ drinks on a single drinking occasion during the past 30 days with higher reported frequency among males aged 18-44 than those 45-69 ( $38.4 \%, 32.7-44.2$ and $24.1 \%$, 18.7-29.4, respectively). Among females, $7.9 \%$ (6.3-9.5) reported having $\geq 6$ drinks on a single drinking occasion, with a similar variances by age as seen among males.

## Fruit and vegetable consumption

Fruit and vegetable consumption is a key indicator for healthy behaviors that can contribute to the prevention of NCDs. The WHO recommends no less than 400 g per day of fruits and vegetables, equivalent to approximately 5 servings per day (24). Questions were asked regarding frequency and quantity of consumption on a daily and weekly basis.

Figure 7. Mean number of days per week of fruit consumption among adults 18-69 years old, by sex and age groups


On average, males and females of all ages reported consuming fruit 3.3 (3.2-3.4) days per week. There was little difference between males and females ( 3.3 days, 3.1-3.5 and 3.4 days, 3.2-3.5, respectively) and only a slight variance between 18-44 and 45-69 age groups (3.1 days, 3.0-3.3 and 3.8 days, $3.6-4.0$, respectively). Frequency of fruit consumption did not meet the WHO daily recommendation.

Figure 8. Mean number of fruit servings consumed per day among adults 18-69 years old, by sex and age groups


Of the days when fruit was consumed, males and females of all ages consumed approximately one serving (0.9, 0.9-1.0) of fruit, much less than the WHO recommendation. There was little variance by sex or age.

Figure 9. Mean number of days per week of vegetable consumption among adults 18-69 years old, by sex and age groups


Males and females reported an increased number of days per week that vegetables were consumed compared to the number of days that fruits were consumed (4.8 days, 4.7-5.0 and 3.3 days, 3.2-3.4, respectively); nevertheless, frequency of vegetable consumption again did not meet the WHO daily recommendation. Females consumed vegetables more frequently than males (5.0 days, 4.9-5.2 and 4.7 days, 4.5-4.8, respectively). There was little variance in frequency of consumption by age.

Figure 10. Mean number of vegetable servings consumed per day among adults 18-69 years old, by sex and age groups


Of the days when vegetables were consumed, males and females of all ages consumed approximately one serving (1.3, 1.2-1.4) of vegetables, a slightly higher quantity than the average daily fruit consumption, though still much less than the WHO recommendation. There was little variance by sex or age.

Table 19. Percentage of adults 18-69 years old who consumed daily servings of fruit or vegetables, by consumption frequency, sex, and age groups

| Age Group (years) | No fruit and/or vegetables |  | 1-2 servings ${ }^{1}$ |  | 3-4 servings |  | $\geq 5$ servings |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Percentage (95\% CI) |  |  |  |  |  |  |  |
| Males |  |  |  |  |  |  |  |  |
| 18-44 | 19.3 | (15.0-23.7) | 54.9 | (48.7-61.1) | 18.5 | (13.6-23.3) | 7.3 | (3.6-11.0) |
| 45-69 | 15.5 | (11.2-19.8) | 60.3 | (55.0-65.6) | 17.7 | (13.2-22.2) | 6.5 | (4.0-9.0) |
| 18-69 | 18.2 | (14.6-21.8) | 56.6 | (51.8-61.3) | 18.2 | (14.1-22.4) | 7.0 | (4.5-9.6) |
| Females |  |  |  |  |  |  |  |  |
| 18-44 | 17.0 | (14.0-19.9) | 61.1 | (57.2-65.1) | 16.7 | (13.6-19.8) | 5.2 | (3.5-7.0) |
| 45-69 | 13.6 | (9.4-17.8) | 58.3 | (52.6-64.0) | 21.1 | (16.4-25.8) | 7.0 | (4.4-9.6) |
| 18-69 | 15.9 | (13.6-18.2) | 60.2 | (57.0-63.4) | 18.1 | (15.3-20.9) | 5.8 | (4.3-7.3) |
| Both Sexes |  |  |  |  |  |  |  |  |
| 18-44 | 18.2 | (15.6-20.8) | 57.9 | (54.1-61.7) | 17.6 | (14.3-20.9) | 6.3 | (4.3-8.3) |
| 45-69 | 14.6 | (11.2-18.0) | 59.3 | (55.3-63.3) | 19.4 | (15.6-23.2) | 6.7 | (4.8-8.6) |
| 18-69 | 17.1 | (14.9-19.3) | 58.3 | (55.2-61.5) | 18.2 | (15.1-21.2) | 6.4 | (5.0-7.8) |

${ }^{1}$ One serving is defined as approximately 80 g of fruit or vegetable
While vegetable consumption was higher in frequency and quantity across both sexes and age groups, overall reported consumption of fruits and vegetables was much lower than WHO recommendations of 400 g (or approximately 5 servings of 80 g ) of daily fruit and vegetable consumption (24). Only $6.4 \%$ of males and females aged $18-69$ met the guidelines of at least 5 servings of fruit and/or vegetables per day, while $93.6 \%$ (92.2-95.0) did not and $17.1 \%$ reported zero daily consumption of fruits and/or vegetables. There were limited variances among sex or age groups.

## Salt consumption

High levels of daily sodium intake are risk factors associated with high blood pressure that can contribute to coronary heart disease and stroke. Information was collected on consumption behavior related to the addition of salt to foods and consumption of processed foods, as well as self-reported quantities of salt consumed, awareness of the impacts of salt on health outcomes, and actions taken to reduce salt intake.

Table 20. Percentage of adults 18-69 years old by self-reported frequency of salt consumption, sex and age groups

| Age Group <br> (years) | Add salt always or <br> often before <br> eating | Add salt always or <br> often when preparing <br> food at home | Always or often <br> consume processed <br> food high in salt |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males |  |  | Percentage (95\% Cl) |  |

Questions about adding salt to food or consuming foods high in salt, received relatively similar responses across both sex and age groups. Reported addition of salt before eating and consumption of processed food high in salt was similar (11.5\% and $12.2 \%$, respectively), with higher reported use among males and females in the 18-44 age group who were twice as likely to always or often consume processed food high in salt compared to those in the older age group ( $14.5 \%$ to $6.9 \%$, respectively). A much larger proportion ( $72.1 \%$ ) indicated they always or often added salt when cooking or preparing foods at home.

Table 21. Percentage of adults 18-69 years old who think lowering salt in their diet is very, somewhat, or not at all important, by sex and age groups

| Age Group <br> (years) | Very important |  | Somewhat <br> important | Not at all <br> important |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males |  |  | Percentage $(95 \% \mathrm{Cl})$ |  |  |  |
| $18-44$ | 64.3 | $(57.7-70.9)$ | 19.1 | $(14.9-23.3)$ | 16.6 | $(12.1-21.1)$ |
| $45-69$ | 74.3 | $(69.1-79.5)$ | 14.8 | $(11.4-18.2)$ | 10.9 | $(6.1-15.8)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{6 7 . 3}$ | $\mathbf{( 6 1 . 8 - 7 2 . 8 )}$ | $\mathbf{1 7 . 8}$ | $(14.8-20.8)$ | 14.9 | $(10.9-18.9)$ |
| Females |  |  |  |  |  |  |
| $18-44$ | 71 | $(66.8-75.3)$ | 17.5 | $(14.1-20.9)$ | 11.5 | $(8.5-14.5)$ |
| $45-69$ | 82 | $(77.5-86.6)$ | 12.6 | $(8.4-16.8)$ | 5.4 | $(3.1-7.6)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{7 4 . 6}$ | $\mathbf{( 7 1 . 5 - 7 7 . 6 )}$ | $\mathbf{1 5 . 9}$ | $(13.1-18.7)$ | 9.5 | $\mathbf{( 7 . 4 - 1 1 . 7 )}$ |
| Both Sexes |  |  |  |  |  |  |
| $18-44$ | 67.6 | $(63.7-71.4)$ | 18.3 | $(15.6-21.0)$ | 14.1 | $(11.4-16.8)$ |
| $45-69$ | 78.2 | $(74.1-82.2)$ | 13.7 | $(11.2-16.2)$ | 8.1 | $(5.4-10.8)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{7 0 . 9}$ | $\mathbf{( 6 7 . 5 - 7 4 . 3 )}$ | $\mathbf{1 6 . 9}$ | $(14.7-19.1)$ | $\mathbf{1 2 . 2}$ | $\mathbf{( 1 0 . 0 - 1 4 . 5 )}$ |

A majority (79.9\%, 77.9-81.8) of males and females of both age groups reported that they thought they generally consumed the right amount of salt. Only $9.1 \%$ reported consuming too much or far too much ( $6.9 \%, 5.6-8.3$ and $2.2 \%, 1.5-3.0$, respectively). However, most ( $70.9 \%$ ) thought lowering salt in their diet was very important and $88 \%$ (85.7-90.3) thought consuming too much salt could cause serious health problems.

Table 22. Percentage of adults 18-69 years old who take specific action on a regular basis to control salt intake, by sex and age groups

| Age Group <br> (years) | Limit <br> consumption of <br> processed foods | Read salt or <br> sodium content <br> on food labels | Buy low <br> salt/sodium <br> alternatives | Use spices other <br> than salt when <br> cooking | Avoid eating <br> foods prepared <br> outside of home |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males |  |  |  |  | Percentage (95\% Cl) |  |  |  |  |  |

Females of all ages were more likely to take specific actions to lower salt intake in their diet. Overall, males and females aged 45-69 were more likely to report taking specific actions on a regular basis to control salt intake than the younger group.

## Physical activity

When analyzing physical activity data, both continuous and categorical indicators are used. To calculate the categorical indicator according to the WHO recommended amount of physical activity, the total time spent in physical activity during a typical week and the intensity of the physical activity are considered. At a minimum, adults should meet the following weekly requirements, which may include activity during work, transport, and leisure time (25):

- 150 minutes of moderate-intensity physical activity; OR
- 75 minutes of vigorous-intensity physical activity; OR
- An equivalent combination of moderate- and vigorous-intensity physical activity achieving at least 600 metabolic equivalent (MET) minutes.

For comparison, three levels of physical activity used in former recommendations on physical activity were used to classify activity levels as low, moderate, and high. Details on these criteria are shown in the data book.

Table 23. Percentage of adults 18-69 years old who do not meet WHO recommendations on physical activity for health, by sex and age groups

| Age Group <br> (years) | Do not meet WHO <br> recommendation |  |
| :---: | :---: | :---: |
| Males | Percentage (95\% Cl) |  |
| $18-44$ | 16.4 | $(12.4-20.4)$ |
| $45-69$ | 24.4 | $(18.5-30.3)$ |
| $18-69$ | 18.9 | $(15.3-22.4)$ |
| Females |  |  |
| $18-44$ | 39.6 | $(35.7-43.6)$ |
| $45-69$ | 42.3 | $(37.0-47.6)$ |
| $18-69$ | 40.5 | $(37.4-43.5)$ |
| Both Sexes |  |  |
| $18-44$ | 27.6 | $(24.5-30.6)$ |
| $45-69$ | 33.2 | $(29.3-37.2)$ |
| $18-69$ | 29.3 | $(26.9-31.8)$ |

About twice as many females as compared to males did not meet the WHO recommendations on physical activity ( $40.5 \%$ and $18.9 \%$, respectively). While there was little difference among age groups for females, males aged 45-69 were less likely to meet the WHO recommendation than males aged 18-44.

The mean minutes of total physical activity on average per day was 215.3 minutes (202.2-228.4 minutes) and the median minutes of total physical activity on average per day was 106.4 minutes (inter-quartile range 12.9-342.9 minutes). This varied by sex with males, especially those aged 18-44 years old, reporting longer periods of daily physical activity than females.

Figure 11. Percentage of adults 18-69 years old who meet low, moderate, and high levels of physical activity, by sex and age groups


High - a person reaching any of the following criteria is classified in this category:

- Vigorous-intensity activity on at least 3 days achieving a minimum of at least 1,500 MET-minutes/week; OR
- 7 or more days of any combination of walking, moderate- or vigorous-intensity activities achieving a minimum of at least 3,000 MET-minutes per week.
Moderate - a person not meeting the criteria for the "high" category, but meeting any of the following criteria is classified in this category:
- 3 or more days of vigorous-intensity activity of at least 20 minutes per day; OR
- $\quad 5$ or more days of moderate-intensity activity or walking of at least 30 minutes per day; OR
- 5 or more days of any combination of walking, moderate- or vigorous-intensity activities achieving a minimum of at least 600 MET-minutes per week.
Low - a person not meeting any of the above-mentioned criteria falls in this category.
Differences in levels of physical activity between males and females were seen, with the majority (63.4\%, 59.6-67.1) of males in all age groups reporting a high level of physical activity. In contrast, nearly half ( $46.7 \%, 43.5-50.0$ ) of females of all ages reported low levels of physical activity. About twice as many females of all ages reported no vigorous physical activity than males (85\%, 82.387.6 and $44.2 \%, 40.4-47.9$, respectively).

Figure 12. Percentage of work, transport, and leisure activity that contribute to total activity among adults 18-69 years old, by sex and age groups


Both males and females reported a majority of their physical activity took place during work and transportation. Males of all ages were more likely to participate in leisure time physical activity than were females ( $16.2 \%, 13.9-18.5$ and $7.2 \%, 5.6-8.8$, respectively).

Levels of physical inactivity were reflected in body weight measurements. Maintaining a healthy body weight to prevent overweight and obesity is another risk factor for NCDs. Weight measurements were taken of all adults aged 18-69, excluding pregnant women.

Figure 13. Mean waist circumference (cm) of adults 18-69 years old, by sex and age groups


The average waist circumference for males was $88.4 \mathrm{~cm}(85.9-91.0 \mathrm{~cm})$ and 92.7 cm for females ( $91.3-94.0 \mathrm{~cm}$ ). Among both sexes, waist circumference increased with age, which was more evident in females ( $89.8 \mathrm{~cm}, 88.0-91.5 \mathrm{~cm}$ among $18-44$ and $99.0 \mathrm{~cm}, 97.2-100.7 \mathrm{~cm}$ among $45-$ 69).

Figure 14. Mean Body Mass Index ( $\mathrm{kg} / \mathrm{m}^{2}$ ) of adults 18-69 years old, by sex and age groups


There was little difference in mean body mass index (BMI) between age groups within each sex. However, females had higher BMI than males ( $28.0 \mathrm{~kg} / \mathrm{m}^{2}, 27.5-28.5 \mathrm{~kg} / \mathrm{m}^{2}$ and $24.6 \mathrm{~kg} / \mathrm{m}^{2}, 24.0-$ $25.3 \mathrm{~kg} / \mathrm{m}^{2}$, respectively).

Table 24. Percentage of adults 18-69 who are underweight, normal weight, overweight, and obese based on BMI, by sex and age groups

| Age Group (years) | Under-weight$\mathrm{BMI}<18.5$ |  | Normal weight BMI 18.5-24.9 |  | Overweight BMI 25.0-29.9 |  | $\begin{gathered} \text { Obese } \\ \mathrm{BMI} \geq 30.0 \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Percentage (95\% CI) |  |  |  |  |  |  |  |
| Males |  |  |  |  |  |  |  |  |
| 18-44 | 10.4 | (6.8-14.0) | 54.3 | (49.9-58.7) | 22.3 | (17.9-26.7) | 13.0 | (9.6-16.5) |
| 45-69 | 6.4 | (2.4-10.5) | 43.4 | (37.0-49.8) | 34.0 | (27.8-40.2) | 16.2 | (12.0-20.4) |
| 18-69 | 9.2 | (5.8-12.6) | 51.0 | (47.2-54.8) | 25.8 | (21.8-29.8) | 14.0 | (11.1-16.8) |
| Females |  |  |  |  |  |  |  |  |
| 18-44 | 6.7 | (4.6-8.9) | 37.4 | (33.5-41.2) | 26.1 | (22.3-30.0) | 29.8 | (26.0-33.6) |
| 45-69 | 2.4 | (0.9-3.8) | 22.9 | (18.7-27.2) | 31.4 | (26.9-35.8) | 43.3 | (38.1-48.6) |
| 18-69 | 5.4 | (3.8-6.9) | 32.8 | (29.8-35.9) | 27.8 | (25.1-30.5) | 34.0 | (31.1-37.0) |
| Both Sexes |  |  |  |  |  |  |  |  |
| 18-44 | 8.7 | (6.6-10.8) | 46.3 | (43.2-49.3) | 24.1 | (21.5-26.7) | 21.0 | (18.0-23.9) |
| 45-69 | 4.4 | (2.3-6.6) | 33.3 | (29.4-37.3) | 32.7 | (29.0-36.5) | 29.5 | (26.1-32.9) |
| 18-69 | 7.4 | (5.5-9.2) | 42.3 | (39.7-44.9) | 26.7 | (24.6-28.9) | 23.6 | (21.3-25.9) |

Males were more likely to be underweight or normal weight compared to females ( $60.2 \%$ and $38.2 \%$, respectively). Likewise, females were more likely to be considered obese than males (34\% and $14 \%$, respectively). The likelihood of having a high BMI increased with age for both sexes.

Figure 15. Percentage of adults 18-69 years old classified as overweight and obesity (BMI $\geq 25$ ), by sex and age groups


Half of adults were considered overweight (50.3\%, 24.6-28.9). Females were more likely to have a BMI higher than or equal to $25 \mathrm{~kg} / \mathrm{m}^{2}$ than males ( $61.8 \%, 58.6-65.0$ and $39.8 \%, 34.6-44.9$, respectively).

## History of raised blood pressure

High blood pressure is a common risk factor for NCDs. Information was self-reported regarding history of blood pressure measurements and steps taken to reduce high blood pressure. Physical measurements were also taken among those currently using and not using medication for raised blood pressure.

Table 25. Percentage of adults 18-69 years old who have had blood pressure measured by a health worker and received a diagnosis, by sex and age groups

| Age Group (years) | Never measured |  | Measured, not diagnosed |  | Diagnosed, not within past 12 months |  | Diagnosed within past 12 months |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males Percentage (95\% Cl) |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 18-44 | 43.2 | (35.7-50.7) | 45.0 | (38.3-51.8) | 3.5 | (1.5-5.5) | 8.3 | (5.6-10.9) |
| 45-69 | 11.8 | (8.4-15.3) | 52.7 | (47.1-58.3) | 9.7 | (6.4-13.0) | 25.8 | (20.7-30.9) |
| 18-69 | 33.8 | (28.5-39.1) | 47.3 | (42.2-52.4) | 5.3 | (3.6-7.1) | 13.5 | (11.1-16.0) |
| Females |  |  |  |  |  |  |  |  |
| 18-44 | 17.0 | (14.4-19.6) | 65.9 | (62.3-69.5) | 5.7 | (3.8-7.7) | 11.3 | (8.9-13.8) |
| 45-69 | 6.7 | (4.4-9.0) | 46.9 | (41.6-52.2) | 10.8 | (7.4-14.2) | 35.6 | (30.5-40.6) |
| 18-69 | 13.8 | (11.9-15.7) | 60.0 | (57.0-62.9) | 7.3 | (5.6-9.0) | 19.0 | (16.5-21.4) |
| Both Sexes |  |  |  |  |  |  |  |  |
| 18-44 | 30.7 | (26.2-35.1) | 55.0 | (51.0-59.0) | 4.6 | (3.2-5.9) | 9.8 | (7.8-11.7) |
| 45-69 | 9.3 | (7.3-11.3) | 49.8 | (46.0-53.7) | 10.2 | (7.8-12.6) | 30.6 | (26.9-34.3) |
| 18-69 | 24.1 | (21.0-27.2) | 53.4 | (50.3-56.5) | 6.3 | (5.0-7.6) | 16.2 | (14.4-17.9) |

Overall, males were less likely to have had their blood pressure measured. Almost a third (33.8\%) of all males reported never having their blood pressure measured compared with females (13.8\%). Both males and females aged 18-44 were less likely to have had their blood pressure measured, compared to those 45-69 years old ( $30.7 \%$ and $9.3 \%$, respectively). Among females, $60 \%$ reported having their blood pressure measured and received a diagnosis of no high blood pressure, while $47.3 \%$ of all males reported the same. Overall, $18.8 \%$ of males and $26.3 \%$ of females reported being diagnosed with high blood pressure.

Figure 16. Percentage of adults 18-69 years old diagnosed with high blood pressure currently taking drugs (medication) for raised blood pressure or hypertension prescribed by doctor or health worker, by sex and age groups


Among those diagnosed with high blood pressure, approximately one half of all females (46.1\%, 40.4-51.8) and one third of males ( $38.3 \%, 29.9-46.8$ ) reported taking medication for their raised blood pressure. Variances by age are evident with those aged 45-69 more likely to take medications compared to those 18-44 years old (58.1\%, 52.4-63.8 and 23.4\%, 17.3-29.5, respectively).

Figure 17. Percentage of adults 18-69 years old diagnosed with high blood pressure who have sought advice or received treatment from a traditional healer for raised blood pressure, both sexes by age groups


Persons with raised blood pressure who reported seeing a traditional healer for their ailment was generally low among both sexes and age groups ( $6.6 \%, 3.7-9.4$ ). The most common group was males aged 45-69 years, of which $12.5 \%$ ( $95 \%$ CI, 2.2-22.7) indicated seeing a traditional healer. More males and females (11.8\%, 8.3-15.3) reported taking herbal or traditional remedies for raised blood pressure, with again the highest likelihood among males aged 45-69 (17.7\%, 6.628.8).

Figure 18. Mean systolic blood pressure ( mmHg ) of adults 18-69 years old, by sex and age groups


Blood pressure measurements were taken for all adults aged 18-69. The mean systolic blood pressure for both sexes and age groups, including those currently on medication for raised blood pressure, was $125.8 / 77.7 \mathrm{mmHg}$ (124.8-126.7 and 77.0-78.4), which is only slightly higher than the optimal level of $120 / 80 \mathrm{mmHg}$ or lower. Mean systolic blood pressure was higher among males than females in the younger age group (125.2, 123.6-126.9 and 116.5, 115.3-117.8, respectively). It also increased with age for both sexes (121.1, 120.1-122.1 and 136.3, 134.2138.4, respectively).

Table 26. Percentage of adults 18-69 years old with raised blood pressure (SBP $\geq 140$ and/or DBP $\geq 90 \mathrm{mmHg}$ or higher) or on medication for raised blood pressure, by sex and age groups

| Age Group <br> (years) | SBP $\geq 140$ and/or <br> DBP $\geq 90 \mathrm{mmHg}$ <br> or on medication |  |
| :---: | :---: | :---: |
| Males | Percentage (95\% CI) |  |
| $18-44$ | 18.2 | $(14.0-22.4)$ |
| $45-69$ | 45.7 | $(40.3-51.1)$ |
| $18-69$ | $\mathbf{2 6 . 4}$ | $\mathbf{( 2 2 . 9 - 2 9 . 9 )}$ |
| Females |  |  |
| $18-44$ | 13.5 | $(10.6-16.3)$ |
| $45-69$ | 54.8 | $(49.4-60.2)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{2 6 . 2}$ | $\mathbf{( 2 3 . 4 - 2 9 . 0 )}$ |
| Both Sexes |  |  |
| $18-44$ | 15.9 | $(13.5-18.4)$ |
| $45-69$ | 50.2 | $(46.6-53.7)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{2 6 . 3}$ | $\mathbf{( 2 4 . 3 - 2 8 . 3 )}$ |

One in every four (26.4\%) adults aged 18-69 had raised blood pressure (SBP $\geq 140$ and/or DBP $\geq$ 90 mmHg or higher) or were currently on medication for raised blood pressure. Males aged 1844 were more likely than females of the same age group to have raised blood pressure (18.2\% and $13.5 \%$, respectively); while the converse was seen among the older age group with males less likely than females aged 45-69 to have raised blood pressure ( $45.7 \%$ and $54.8 \%$, respectively). Overall, the likelihood of raised blood pressure increased with age.

Table 27. Percentage of adults 18-69 years old with raised blood pressure (SBP $\geq 140$ and/or DBP $\geq 90 \mathrm{mmHg}$ or higher or on medication), by awareness, treatment and control status, sex, and age groups.

| Age Group (years) | Not aware ${ }^{1}$ |  | Aware, not treated |  | Aware, treated, not controlled |  | Aware, treated, controlled |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Percentage (95\% CI) |  |  |  |  |  |  |  |
| Males |  |  |  |  |  |  |  |  |
| 18-44 | 76.8 | (68.4-85.2) | 10.3 | (4.6-16.0) | 10.3 | (4.2-16.4) | 2.6 | (0.0-5.3) |
| 45-69 | 40.8 | (32.2-49.4) | 13.9 | (8.1-19.6) | 27.5 | (18.0-36.9) | 17.8 | (11.6-24.1) |
| 18-69 | 58.2 | (51.2-65.1) | 12.1 | (8.3-16.0) | 19.2 | (13.0-25.4) | 10.5 | (6.8-14.1) |
| Females |  |  |  |  |  |  |  |  |
| 18-44 | 40.9 | (30.5-51.4) | 21.3 | (12.7-30.0) | 10.6 | (4.8-16.4) | 27.1 | (17.2-37.0) |
| 45-69 | 26.9 | (19.6-34.1) | 17.8 | (10.8-24.8) | 32.6 | (26.0-39.3) | 22.7 | (16.9-28.5) |
| 18-69 | 31.8 | (25.6-38.0) | 19.1 | (13.6-24.6) | 24.9 | (19.6-30.1) | 24.3 | (19.1-29.4) |
| Both Sexes |  |  |  |  |  |  |  |  |
| 18-44 | 62.3 | (54.7-69.9) | 14.8 | (9.7-19.8) | 10.4 | (6.2-14.7) | 12.5 | (8.0-17.0) |
| 45-69 | 33.3 | (27.3-39.3) | 16.0 | (11.6-20.4) | 30.2 | (24.9-35.6) | 20.4 | (16.1-24.8) |
| 18-69 | 45.5 | (40.2-50.7) | 15.5 | (12.1-18.8) | 21.9 | (18.0-25.8) | 17.1 | (13.8-20.4) |

${ }^{1}$ Not aware is defined as population that reported having received a diagnosis of raised blood pressure/hypertension by a health worker.

Among those with raised blood pressure (SBP $\geq 140$ and/or DBP $\geq 90 \mathrm{mmHg}$ or currently on medication), nearly half ( $45.5 \%$ ) were unaware of their condition, which was more common among males than females ( $58.2 \%$ and $31.8 \%$, respectively). As follows, females were more likely than males to have controlled their raised blood pressure ( $24.3 \%$ and $10.5 \%$, respectively), though less than one in every five (17.1\%) adults aged 18-69 had done so.

## History of diabetes

Diabetes or history of diabetes is another common risk factor for NCDs. Information was selfreported regarding history of blood sugar measurements and use of medication prescribed for diabetes. Physical measurements were also taken for fasting blood glucose levels.

Table 28. Percentage of adults 18-69 years old who have had blood glucose measured by a health worker and received a diagnosis, by sex and age groups

| Age Group (years) | Never measured |  | Measured, not diagnosed |  | Diagnosed, not within past 12 months |  | Diagnosed within past 12 months |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Percentage (95\% CI) |  |  |  |  |  |  |  |
| Males |  |  |  |  |  |  |  |  |
| 18-44 | 70.0 | (65.9-74.0) | 26.7 | (22.6-30.9) | 2.2 | (0.8-3.5) | 1.1 | (0.3-2.0) |
| 45-69 | 35.1 | (28.9-41.3) | 50.0 | (43.0-56.9) | 2.7 | (1.3-4.1) | 12.3 | (8.5-16.1) |
| 18-69 | 59.5 | (56.1-62.9) | 33.7 | (30.1-37.3) | 2.3 | (1.3-3.4) | 4.5 | (3.0-5.9) |
| Females |  |  |  |  |  |  |  |  |
| 18-44 | 53.2 | (49.1-57.2) | 41.4 | (37.6-45.2) | 1.4 | (0.6-2.2) | 4.0 | (2.5-5.6) |
| 45-69 | 26.1 | (21.2-31.0) | 46.2 | (41.5-50.9) | 3.8 | (1.8-5.9) | 23.8 | (19.1-28.5) |
| 18-69 | 44.7 | (41.3-48.0) | 42.9 | (40.0-45.8) | 2.2 | (1.2-3.1) | 10.2 | (8.1-12.3) |
| Both Sexes |  |  |  |  |  |  |  |  |
| 18-44 | 62.0 | (59.0-64.9) | 33.7 | (30.7-36.7) | 1.8 | (1.0-2.6) | 2.5 | (1.7-3.3) |
| 45-69 | 30.7 | (26.5-34.8) | 48.1 | (44.1-52.1) | 3.2 | (2.0-4.5) | 18.0 | (15.3-20.7) |
| 18-69 | 52.4 | (49.9-54.9) | 38.1 | (35.8-40.5) | 2.3 | (1.5-3.0) | 7.3 | (6.2-8.4) |

Overall, males of all ages were more likely than females to never have had their blood glucose measured ( $59.5 \%$ and $44.7 \%$, respectively). However, both males and females in the younger 1844 age group were twice as likely to never have had the test compared to those in the 45-69 age group ( $62 \%$ and $30.7 \%$, respectively). A large proportion of both males and females reported having their blood glucose measured, but not receiving a diagnosis of raised blood sugar or diabetes $(33.7 \%$ and $42.9 \%$, respectively). About twice as many males aged 45-69 years than those aged $18-44$ reported having the test but not being diagnosed $(50.0 \%$ and $26.7 \%$, respectively). This age variance was not seen among females. A small proportion of both males and females reported having a diagnosis of high blood glucose, but not within the past 12 months (2.3\%). A larger proportion (7.3\%) reported receiving a diagnosis within the past 12 months; this was especially seen among those aged 45-69, with females twice as likely as males to have received a recent diagnosis ( $23.8 \%$ and $12.3 \%$, respectively).

Figure 19. Percentage of adults 18-69 years old diagnosed with raised blood glucose or diabetes currently taking insulin or medication for diabetes prescribed by a doctor or health worker, both sexes by age groups


Overall, adults 18-69 with a diagnosis of raised blood glucose or diabetes were more far more likely to take medication as opposed to insulin to control the disease (66.3\%, 59.8-72.9 and $13.6 \%, 8.3-18.9$, respectively). Use of medication verses insulin was more evident among those in the 45-69 age group than those 18-44 years old (74.3\%, 65.7-82.8 and 49.2\%, 35.7-62.6, respectively).

There was not a lot of variance between sexes in terms of medication use. Of those diagnosed with raised blood glucose or diabetes, $60.7 \%$ (49.0-72.5) of males and $69.6 \%$ (61.6-77.6) of females reported taking medication for diabetes. Females aged 45-69 reported the highest use of medication ( $75.8 \%, 64.7-86.8$ ) to treat diabetes among those diagnosed, with similar presentation in males of the same age group (71.5\%, 57.5-85.5).

While medication to treat raised blood glucose or diabetes was more common, 16.0\% (5.8-26.2) of males and $12.2 \%$ (6.4-18.0) of females reported they were prescribed insulin for this purpose. There was no variation in use of insulin between sexes, though this was seen between age groups. More males in the 18-44 age group reported taking insulin than did males in the older age group (21.4\%, 0.0-43.0 and $13.2 \%, 4.7-21.7$, respectively). The opposite was true for females; those aged 45-69 years were three times more likely to be taking insulin than those aged 18-44 (15.1\%, 7.9-22.3 and 5.4\%, 0.0-11.7, respectively).

Figure 20. Percentage of adults 18-69 years old diagnosed with raised blood glucose or diabetes who have sought advice or received treatment from a traditional healer for diabetes, both sexes by age groups


As previously seen for raised blood pressure, those who have a diagnosis of raised blood glucose or diabetes were more likely to take an herbal remedy for treatment of their condition than to seek advice from a traditional healer (17.7\%, 11.7-23.8 and 6.6\%, 3.6-9.6, respectively). Males aged 45-69 in particular were most likely of all groups to have seen a traditional healer or taken herbal treatment for diabetes ( $12.5 \%, 4.4-20.5$ and $34 \%, 18.5-49.5$, respectively).

Table 29. Percentage of adults 18-69 years old with impaired fasting glycaemia, raised blood glucose, or current on medication for diabetes, by sex and age

| Age Group <br> (years) | Impaired Fasting <br> Glycaemia $^{1}$ | Raised blood <br> glucose ${ }^{2}$ or currently <br> on medication for <br> diabetes | Currently on <br> medication for <br> diabetes |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Males |  |  | Percentage $95 \%$ CI) |  |  |  |
| $18-44$ | 3.0 | $(0.0-6.0)$ | 4.0 | $(0.0-8.1)$ | 1.8 | $(0.0-3.7)$ |
| $45-69$ | 8.8 | $(0.2-17.4)$ | 15.0 | $(6.4-23.7)$ | 12.5 | $(7.0-18.1)$ |
| $\mathbf{1 8 - 6 9}$ | 4.7 | $(1.5-8.0)$ | 7.3 | $(3.3-11.3)$ | 5.0 | $(2.8-7.2)$ |
| Females |  |  |  |  |  |  |
| $18-44$ | 3.6 | $(0.5-6.6)$ | 9.7 | $(4.6-14.9)$ | 3.0 | $(0.7-5.3)$ |
| $45-69$ | 10.5 | $(4.2-16.9)$ | 27.7 | $(18.7-36.7)$ | 24.4 | $(17.7-31.1)$ |
| $18-69$ | 5.8 | $(2.9-8.8)$ | 15.6 | $(11.1-20.2)$ | 9.5 | $(6.7-12.2)$ |
| Both Sexes |  |  |  |  |  |  |
| $18-44$ | 3.3 | $(1.0-5.6)$ | 6.8 | $(3.7-10.0)$ | 2.4 | $(0.9-3.9)$ |
| $45-69$ | 9.7 | $(4.4-15.0)$ | 21.7 | $(14.8-28.5)$ | 18.5 | $(14.0-22.9)$ |
| $18-69$ | 5.3 | $(3.0-7.6)$ | 11.5 | $(8.5-14.4)$ | 7.2 | $(5.4-9.0)$ |

${ }^{1}$ Impaired fasting glycaemia is defined as capillary whole blood value: $\geq 5.6 \mathrm{mmol} / \mathrm{L}(100 \mathrm{mg} / \mathrm{dl})$ and $<6.1 \mathrm{mmol} / \mathrm{L}(110 \mathrm{mg} / \mathrm{dl})$
${ }^{2}$ Raised blood glucose is defined as capillary whole blood value: $\geq 6.1 \mathrm{mmol} / \mathrm{L}(110 \mathrm{mg} / \mathrm{dl})$

Blood glucose measurements were taken for all adults aged 18-69. One in every ten adults had high blood sugar or were on medication for diabetes (11.5\%, 8.5-14.4). Higher levels of impaired fasting glycaemia and raised blood glucose were seen among those aged 45-69 (9.7\% and 21.7\%, respectively). As such, this older age group was also more likely to currently be on medication for diabetes, which was even more prominent among women aged 45-69 (18.5\% and 24.4\%, respectively).

## History of raised total cholesterol

A risk factor for NCDs is a history of raised total cholesterol, which can lead to an increased risk of cardiovascular disease. Information was self-reported regarding history of total cholesterol measurements and use of medication prescribed for raised total cholesterol. Physical measurements were also taken for total cholesterol and high-density lipoprotein (HDL) cholesterol.

Table 30. Percentage of adults 18-69 years old who have had cholesterol measured by a health worker and received a diagnosis, by sex and age groups

| Age Group (years) | Never measured |  | Measured, not diagnosed |  | Diagnosed, not within past 12 months |  | Diagnosed within past 12 months |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Percentage (95\% CI) |  |  |  |  |  |  |  |
| Males |  |  |  |  |  |  |  |  |
| 18-44 | 86.2 | (83.0-89.4) | 10.1 | (7.3-12.9) | 1.5 | (0.4-2.6) | 2.2 | (1.0-3.4) |
| 45-69 | 54.8 | (49.0-60.7) | 27.1 | (22.2-32.1) | 9.2 | (5.8-12.6) | 8.9 | (5.9-11.8) |
| 18-69 | 76.8 | (74.0-79.6) | 15.2 | (13.0-17.4) | 3.8 | (2.4-5.1) | 4.2 | (2.9-5.5) |
| Females |  |  |  |  |  |  |  |  |
| 18-44 | 77.2 | (74.0-80.5) | 15.4 | (12.7-18.1) | 3.4 | (2.0-4.9) | 3.9 | (2.5-5.3) |
| 45-69 | 44.6 | (39.1-50.0) | 24.6 | (20.2-29.0) | 10.5 | (7.3-13.7) | 20.3 | (15.7-24.9) |
| 18-69 | 67.0 | (64.0-70.0) | 18.3 | (15.8-20.8) | 5.6 | (4.2-7.1) | 9.1 | (7.3-10.8) |
| Both Sexes |  |  |  |  |  |  |  |  |
| 18-44 | 81.9 | (79.3-84.5) | 12.7 | (10.5-14.9) | 2.4 | (1.5-3.3) | 3.0 | (2.0-4.0) |
| 45-69 | 49.8 | (45.6-53.9) | 25.9 | (22.7-29.1) | 9.8 | (7.6-12.1) | 14.5 | (12.0-17.0) |
| 18-69 | 72.1 | (69.8-74.3) | 16.7 | (14.9-18.5) | 4.7 | (3.7-5.7) | 6.5 | (5.4-7.6) |

The majority ( $72.1 \%$ ) of adults aged 18-69 have never had a blood cholesterol test, especially among males who were less likely to have been tested ( $76.8 \%$ ) than females ( $67.0 \%$ ). Those 1844 years old represented the largest proportion untested (81.9\%). As such, those 45-69 were more likely to have been tested; $50.2 \%$ of the older age group had their cholesterol tested compared to $18.1 \%$ in the younger group. Of those tested, females aged 45-69 were most likely to have received a diagnosis of raised cholesterol (30.8\%).

Figure 21. Percentage of adults 18-69 years old diagnosed with raised total cholesterol currently taking oral treatment (medication) for raised total cholesterol prescribed by a doctor or health worker, by sex and age groups


Less than half ( $36.9 \%, 30.3-43.4$ ) of those with diagnosed high blood cholesterol reported taking prescribed medicine for their condition. More females (40.7\%, 33.4-47.9) reported taking prescribed medication than males ( $30.3 \%, 19.4-41.3$ ). The proportion of those taking medication increased with age among both sexes.

Figure 22. Percentage of adults 18-69 years old diagnosed with raised cholesterol who have sought advice or received treatment from a traditional healer for raised cholesterol, both sexes by age groups


Seeing a traditional healer or taking herbal treatment was less common for raised cholesterol than what was reported for raised blood pressure and diabetes (8.1\%, 4.0-12.2 and 9.4\%, 4.714.0, respectively). Only $7.8 \%$ (4.6-10.9) of females and $8.6 \%$ (2.3-14.9) of males with diagnosed high blood cholesterol reported seeking a traditional healer for treatment. The proportion of those taking traditional herbs or remedies for their raised cholesterol was also not very high with only $6.4 \%(0.9-11.9)$ of males and $11.1 \%$ (6.3-15.9) of females reported receiving traditional treatment.

Table 31. Percentage of adults 18-69 years old with total cholesterol $\geq 5.0 \mathrm{mmol} / \mathrm{L}$ or $\geq 190$ $\mathrm{mg} / \mathrm{dl}, \geq 6.2 \mathrm{mmol} / \mathrm{L}$ or $\geq 240 \mathrm{mg} / \mathrm{dl}$, or currently on medication for raised cholesterol, by sex and age groups

| Age Group (years) | Total cholesterol $\geq 5.0 \mathrm{mmol} / \mathrm{L}$ or $\geq 190 \mathrm{mg} / \mathrm{dl}^{1}$ |  | Total cholesterol $\geq 6.2 \mathrm{mmol} / \mathrm{L}$ or $\geq 240 \mathrm{mg} / \mathrm{dl}^{1}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Percentage (95\% CI) |  |  |  |
| Males |  |  |  |  |
| 18-44 | 38.8 | (30.7-46.9) | 10.5 | (5.4-15.5) |
| 45-69 | 65.0 | (54.2-75.9) | 22.1 | (13.3-30.9) |
| 18-69 | 46.8 | (40.1-53.5) | 14.0 | (9.6-18.4) |
| Females |  |  |  |  |
| 18-44 | 44.4 | (38.0-50.8) | 8.6 | (4.8-12.4) |
| 45-69 | 73.2 | (65.5-80.9) | 33.5 | (25.9-41.0) |
| 18-69 | 53.4 | (48.2-58.6) | 16.4 | (12.7-20.0) |
| Both Sexes |  |  |  |  |
| 18-44 | 41.6 | (36.2-47.0) | 9.5 | (6.2-12.8) |
| 45-69 | 69.2 | (62.2-76.2) | 27.9 | (22.1-33.8) |
| 18-69 | 50.1 | (45.7-54.5) | 15.2 | (12.3-18.1) |

${ }^{1}$ Or are currently on medication for raised cholesterol
Blood tests were conducted to measure total cholesterol. Nearly half of all adults (50.1\%) had high cholesterol or were on medication for high cholesterol. Among both males and females, those aged 45-69 were more likely to have elevated blood cholesterol levels ( $69.2 \%$ and $27.9 \%$ ). Results showed approximately one in five males (22.1\%) and one in three females (33.5\%) aged 44-69 had total cholesterol $\geq 6.2 \mathrm{mmol} / \mathrm{L}$ or $\geq 240 \mathrm{mg} / \mathrm{dl}$ or were currently on medication for raised cholesterol.

Table 32. Percentage of adults 18-69 years old with $\mathrm{HDL}<1.03 \mathrm{mmol} / \mathrm{L}$ or $<40 \mathrm{mg} / \mathrm{dl}$ or HDL $<1.03 \mathrm{mmol} / \mathrm{L}$ or $<40 \mathrm{mg} / \mathrm{dl}$, by sex and age groups

| Age Group <br> (years) | $\mathrm{HDL}<1.03 \mathrm{mmol} / \mathrm{L}$ or <br> $<40 \mathrm{mg} / \mathrm{dl}$ |  |
| :---: | :---: | :---: |
| Males | Percentage $(95 \% \mathrm{Cl})$ |  |
| $18-44$ | 26.6 | $(18.7-34.6)$ |
| $45-69$ | 44.9 | $(33.4-56.4)$ |
| $18-69$ | 32.2 | $(25.8-38.6)$ |
| $\mathrm{HDL}<1.29 \mathrm{mmol} / \mathrm{L}$ or |  |  |
|  | $<50 \mathrm{mg} / \mathrm{dl}$ |  |
| Females |  |  |
| $18-44$ | 60.2 | $(53.6-66.8)$ |
| $45-69$ | 43.8 | $(35.8-51.8)$ |
| $18-69$ | 55.1 | $(49.4-60.8)$ |

Blood tests were also conducted to measure high density lipoprotein (HDL). Older males were more likely to have lower HDL levels, which lead to an increased risk of cardiovascular disease, than were younger males ( $44.9 \%$ and $26.6 \%$, respectively). However, the converse was seen among females with those aged 18-44 more likely to have lower HDL levels than those 45-69 years old ( $60.2 \%$ and $43.8 \%$, respectively).

## History of cardiovascular disease

Cardiovascular disease (CVD) is one of the four most common NCDs. As such, information was collected regarding the self-reported history of CVD and what practices are done regularly to prevent or treat heart disease.

Table 33. Percentage of adults 18-69 years old who report having a heart attack or chest pain from heart disease or a stroke, by sex and age groups

| Age Group <br> (years) | History of CVD |  |
| :---: | :---: | :---: |
| Males | Percentage (95\% Cl) |  |
| $18-44$ | 7.1 | $(3.8-10.4)$ |
| $45-69$ | 11.1 | $(7.0-15.2)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{8 . 3}$ | $\mathbf{( 5 . 2 - 1 1 . 4 )}$ |
| Females |  |  |
| $18-44$ | 6.2 | $(4.3-8.1)$ |
| $45-69$ | 14.2 | $(10.0-18.5)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{8 . 7}$ | $\mathbf{( 6 . 7 - 1 0 . 7 )}$ |
| Both Sexes |  |  |
| $18-44$ | 6.7 | $(4.5-8.8)$ |
| $45-69$ | 12.6 | $(9.1-16.1)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{8 . 5}$ | $\mathbf{( 6 . 2 - 1 0 . 7 )}$ |

Overall, slightly more females (8.7\%) than males (8.3\%) reported ever having heart disease or a stroke. Those adults in the older age group were more likely to report having had an incident compared with those in the younger age group ( $12.6 \%$ and $6.7 \%$, respectively).

Figure 23. Percentage of adults 18-69 years old regularly taking aspirin or statins to prevent or treat heart disease, both sexes by age groups


Regular use of aspirin to prevent or treat heart disease was more common than use of statins ( $7.9 \%, 5.7-10.0$ and $2.1 \%, 1.5-2.8$, respectively). There was little variance in use between the sexes; however, use did vary by age. Males and females 45-69 were more likely to use aspirin than their younger counterparts ( $17.2 \%, 13.5-20.9$ and $3.7 \%, 1.8-5.6$, respectively). This was also seen among use of statins with less than $1 \%(0.5 \%, 0.2-0.9)$ of adults $18-44$ who reported use and $5.7 \%$ (3.9-7.6) of those aged 45-69.

## Lifestyle advice given by a doctor or health worker

Information was collected regarding whether adults 18-69 received lifestyle advice from a doctor or health work within the past three years.

Figure 24. Percentage of adults 18-69 years old who received lifestyle advice from their doctor or health worker within the past 3 years, by sex


Females and those in the 45-69 age group were most likely to receive lifestyle advice from a doctor when compared to males aged 18-44. The most frequent lifestyle advice offered was related to diet and maintaining a healthy body weight. About one in five males $\mathbf{~} 19.5 \%, 85 \%$ CI, 16.5-22.6) received advice from their doctor to quit using tobacco or not to start, with little variance between age groups.

## Health Screening

Regular health screenings are an effective measure for preventing disease. Questions were asked regarding preventative cervical, breast, and prostate cancer screenings. Physical measurements were taken for body weight and BMI calculations.

Figure 25. Percentage of females 18-69 years old who have ever been screened for cervical cancer, by age groups


Females were asked if they had ever been screened for cervical cancer using visual inspection with acetic acid (VIA) or had a Papanicolaou (pap) test and Human Papillomavirus (HPV) test. About one in five females ( $17.7 \%, 15.3-20.0$ ) aged 18-69 and one in four ( $23 \%, 19.2-26.8$ ) females aged $30-49$ reported ever having a cervical cancer test. The WHO recommends screening for all females to begin at age 30 .

Figure 26. Percentage of females 18-69 years old who have been shown to do a breast selfexamination, by age groups


Females aged 18-69 were also asked if they have been shown how to conduct a breast self-exam. Approximately one in three ( $33.5 \%, 30.5-36.5$ ) had been shown how to do this exam.

Table 34. Percentage of females 18-69 years old who have had a cytological test, breast exam, or mammogram, by age groups

| Age Group (years) | $\leq 1$ year ago |  | $>1 \text { and } \leq 2$ <br> years ago |  | > 2 years ago |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Perce | tage (95\% CI) |  |  |
| Last pap or cytological test ${ }^{1}$ |  |  |  |  |  |  |
| 18-44 | 6.3 | (4.1-8.4) | 5.0 | (3.1-6.9) | 9.3 | (7.2-11.4) |
| 45-69 | 5.3 | (3.2-7.4) | 3.4 | (1.5-5.3) | 19.5 | (14.6-24.4) |
| 18-69 | 6.0 | (4.4-7.5) | 4.5 | (3.2-5.9) | 12.5 | (10.4-14.7) |
| Last breast exam |  |  |  |  |  |  |
| 18-44 | 11.9 | (9.4-14.5) | 5.2 | (3.5-6.8) | 10.6 | (8.3-13.0) |
| 45-69 | 17.4 | (13.6-21.3) | 1.9 | (0.8-2.9) | 12.7 | (9.6-15.7) |
| 18-69 | 13.7 | (11.5-15.9) | 4.1 | (2.9-5.3) | 11.3 | (9.3-13.3) |
| Last mammogram ${ }^{2}$ |  |  |  |  |  |  |
| 18-44 | 2.9 | (0.9-4.9) | 0.9 | (0.2-1.6) | 4.7 | (3.1-6.4) |
| 45-69 | 4.7 | (2.6-6.7) | 2.8 | (1.0-4.5) | 6.0 | (3.9-8.0) |
| 18-69 | 3.5 | (2.0-4.9) | 1.5 | (0.7-2.2) | 5.1 | (3.8-6.5) |

${ }^{1}$ WHO recommends pap tests or other cervical cancer screenings for women beginning at age 30
${ }^{2}$ WHO recommends organized population-based mammography screening programs for women aged 50-69 years, every 2 years
Very low coverage rates were reported for pap or other cytological tests, breast exams, and mammograms to prevent cervical and breast cancers. For breast cancer prevention, breast exams were more common than mammograms, though still extremely low.

Figure 27. Percentage of females 18-69 years old who have never had a cytological test, breast exam, or mammogram, by age groups

${ }^{1}$ WHO recommends pap tests or other cervical cancer screenings for women beginning at age 30
${ }^{2}$ WHO recommends organized population-based mammography screening programs for women aged 50-69 years, every 2 years; therefore, coverage is not represented in the 18-44 and 18-69 age groups

As follows females aged 18-69 who reported never having a pap or other cytological tests, breast exam, and/or mammogram was very high. These cervical and breast screenings are essential for effective cancer control and prevention.

Figure 28. Percentage of males 18-69 years old who have ever had a prostate exam, by age groups


Only $16.1 \%$ (11.8-20.5) of males aged 45-69, the target screening age, reported ever having a prostate exam. These preventative exams are used to detect prostate cancer.

Table 35. Percentage of adults 18-69 years old who have ever had feces examined for hidden blood or a colonoscopy, by sex and age groups

| Age Group <br> (years) | Feces checked for <br> hidden blood | Colonoscopy |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Males | Percentage (95\% CI) |  |  |  |
| $18-44$ | 10.9 | $(7.8-13.9)$ | 1.2 | $(0.2-2.3)$ |
| $45-69$ | 17.3 | $(12.6-22.0)$ | 5.5 | $(3.2-7.8)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{1 2 . 8}$ | $\mathbf{( 1 0 . 4 - 1 5 . 2 )}$ | $\mathbf{2 . 5}$ | $\mathbf{( 1 . 5 - 3 . 5 )}$ |
| Females |  |  |  |  |
| $18-44$ | 13.6 | $(11.2-16.1)$ | 1.3 | $(0.5-2.1)$ |
| $45-69$ | 13.9 | $(9.8-17.9)$ | 1.6 | $(0.6-2.5)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{1 3 . 7}$ | $(11.9-15.5)$ | $\mathbf{1 . 4}$ | $\mathbf{( 0 . 8 - 2 . 0})$ |
| Both Sexes |  |  |  |  |
| $18-44$ | 12.2 | $(10.1-14.3)$ | 1.3 | $(0.6-1.9)$ |
| $\mathbf{4 5 - 6 9}$ | 15.6 | $(11.9-19.3)$ | 3.6 | $(2.3-4.8)$ |
| $\mathbf{1 8 - 6 9}$ | $\mathbf{1 3 . 2}$ | $\mathbf{( 1 1 . 7 - 1 4 . 8 )}$ | $\mathbf{2 . 0}$ | $\mathbf{( 1 . 4 - 2 . 6 )}$ |

Of males and females aged 18-69, 13.2\% reported ever having fecal examination for hidden blood, while only around $2 \%$ indicated that they had ever had a colonoscopy. There was little variance by age or sex with only slight increases for both tests among males, 45-69 years old (17.3\% and $5.5 \%$, respectively). Tests that check for hidden blood in feces and colonoscopy are used for colorectal screening.

## Summary of combined risk factors

The following rick factors were used to assess combined risk for NCDs:

- Current daily smoking
- Eating less than five servings of fruit and/or vegetables per day
- Not meeting WHO recommendations on physical activity for health (150 minutes of moderate-intensity physical activity per week or 75 minutes of vigorous-intensity physical activity per week or an equivalent combination of moderate- and vigorousintensity physical activity)
- Overweight or obese (BMI $\geq 25 \mathrm{~kg} / \mathrm{m}^{2}$ )
- Raised BP (SBP $\geq 140 \mathrm{mmHg}$ and/or $\mathrm{DBP} \geq 90 \mathrm{mmHg}$ or currently on medication for raised BP

Figure 29. Percentage of adults 18-69 with risk factors for NCDs, both sexes and age groups


Very few adults aged 18-69 demonstrate 0 risk factors for NCDs (1.3\%, 0.7-1.9). The majority $(66.8 \%, 64.8-68.8)$ of all adults had 1-2 risk factors and those in the 18-44 age group were more likely to be in this category than those 45-69 years old (75.3\%, 73.1-77.4 and 47.9\%, 43.9-51.9, respectively). Likewise, those aged 45-69 were more likely to have 3-5 risk factors than the younger group ( $50.8 \%, 46.8-54.9$ and $23.4 \%, 21.3-25.5$, respectively).

## Discussion

In 2016, the population of Guyana was 773,000 inhabitants. A total of 6,600 deaths occurred, of which, $68 \%$ were attributed to noncommunicable diseases (NCDs), specifically, cardiovascular disease ( $34 \%$ ), cancers ( $8 \%$ ), diabetes ( $8 \%$ ), and chronic respiratory diseases ( $3 \%$ ). The risk of premature death (between the ages of 30-70 years) from NCDs is $31 \%$ in Guyana, largely the result of preventable diseases that are caused by key risk factors, such as smoking prevalence, harmful use of alcohol, physical inactivity, and unhealthy diet. The effects of these risk factors are seen through raised blood pressure, which affects males more than females, and raised blood glucose or diabetes and obesity, both of which are higher among females in Guyana. According to Guyana's WHO Noncommunicable Diseases Country Profile 2018, raised blood pressure estimates demonstrate a decrease among males but an increase among females and both sexes project an increase in obesity over the next few years; these risk factor trends are far from reaching the recognized global targets to prevent NCDs. (1).

As of 2016, Guyana had established national targets for premature mortality from NCDs, harmful use of alcohol, physical inactivity, salt/sodium intake, and tobacco use; yet had not set targets for raised blood pressure, diabetes, or obesity (1). The 2016 Pan American STEPS Survey results quantify the prevalence of these risk factors within the population and demonstrate an urgent need for action in Guyana to reduce the burden of NCDs and meet global and regional commitments. If steps are not taken now, preventable deaths from NCDs will increase, economic development will decline, and the financial burden on health systems will continue.

To change this scenario, the WHO "Best Buys," which include cost-effective interventions and policy actions, must be prioritized. From the Pan American STEPS Survey results, use of tobacco and alcohol was seen predominately among males, unhealthy diets in terms of fruit and vegetable consumption and use of salt/sodium were common among all, females were likely to report insufficient physical exercise, and both males and females reported limited preventative screenings for NCDs. These risk factors can all be addressed through adopting the WHO "Best Buys," and as such, an estimated 6,000 lives can be saved by 2025 in Guyana (1).

It is important to recognize that significant progress has been made since the completion of the 2016 Pan American STEPS Survey, most notably Guyana's passage of a new Tobacco Control Act in July 2017, and these achievements are acknowledged appropriately.

## Tobacco control

As a Party to the WHO Framework Convention on Tobacco Control (FCTC), Guyana has committed to fully implementing the FCTC measures and guidelines, through which specific demandreduction measures are monitored. These include: increase excise taxes in tobacco products, establish smoke free policies in line with FCTC Guidelines, adopt large and clear health warnings on tobacco product packaging, and ban advertising, promotion and sponsorship by the tobacco industry. However, as of 2015, Guyana's smoke free policies only included health centers, schools, and universities; health warnings did not use images or specify size; and there were no bans on advertising, promotion, and sponsorship by the tobacco industry (26). As such, the 2016 Pan American STEPS Survey was conducted within this context.

STEPS results show the general prevalence of current tobacco smoking among adults 18-69 in Guyana is $15.4 \%$, which is lower than the average prevalence of $16.9 \%$ among those 15 and older in the Region of the Americas (27). Smoking in Guyana is far more prevalent among males, with very few females reporting current or daily smoking habits. This contrasts with recent trends in the Americas that suggest a "feminization" of tobacco use with similar male and female current smoking prevalence (26). Guyana has yet to conduct a survey of smoking prevalence among those 15 and older; however, of the five non-Latin Caribbean countries who did report in 2016, Guyana would presumably rank among the highest with Saint Kitts and Nevis (8.0\%) and Barbados (8.2\%) the lowest, followed by the Bahamas (11.8\%), and Jamaica (17.0\%) (27). Similar to trends in the Americas, manufactured cigarettes were the primary type of tobacco smoked, though questions regarding use of smokeless tobacco were not included in this survey round and should be included in the future to better quantify smoking prevalence in Guyana.

Guyana's STEPS results demonstrate a need for two strategies: one to accelerate reduction in tobacco use among males and another to protect the relatively low rate of female smoking. As such, comprehensive population-based interventions considered in the MPOWER package are needed to monitor tobacco use and prevention policies; protect people from exposure to tobacco smoke; offer help to quit tobacco use; warn about the dangers of tobacco; enforce bans on tobacco advertising, promotion, and sponsorship; and raise tobacco taxes.

The STEPS results suggest the health warnings used on cigarette packages in Guyana were both noticed and effective, as nearly $86 \%$ of all current smokers noted the health warnings and of those, almost $64 \%$ considered quitting smoking as a result. This is noteworthy, as at the time, Guyana had not yet implemented legislation that mandated health warnings to be displayed on $60 \%$ of tobacco product packaging.

Since the completion of the 2016 Pan American STEPS Survey, Guyana passed their Tobacco Control Act 2017, which includes protections from exposure to second-hand smoke; limitations to tobacco advertising, promotion, and sponsorship; incorporation of health warnings on labelling and packaging regulations; enhanced sales requirements; and additional regulation, monitoring, and reporting of the tobacco industry (28). As such, it is expected that Guyana implementation and enforcement of the tobacco control policies related with the MPOWER will cause an impact on the health of the population.

However, more work needs to be done. Two key indicators measured within the Noncommunicable Diseases Progress Monitor include the reduction of affordability through the increase of excise taxes and prices on tobacco products and the implementation of effective mass media campaigns to raise public awareness about the harms of smoking/tobacco use and secondhand smoke (22). These two actions would not only directly reduce the purchase of tobacco, especially among men who are the majority of smokers in Guyana, but would also deter target populations from initiating, thus protecting the low rate of female smoking.

With the introduction of the Tobacco Control Act 2017 and recommended next steps of targeting tobacco affordability and launching educational mass media campaigns, Guyana is expected to see a reduction in the burden of tobacco use within the population if policies are enforced. In addition, because the Pan American STEPS Survey was completed prior to implementation of the

Tobacco Control Act 2017, impact measurements of these policies on smoking rates will be feasible through conduct of subsequent STEPS Surveys and/or use of the STEPS tobacco modules in other nationally representative health surveys.

## Alcohol

In Guyana, the total alcohol consumption per capita of those aged 15 and above was 6.3 litres of pure alcohol in 2016, which was $4^{\text {th }}$ lowest among the 12 other reporting Caribbean countries and slightly lower than the worldwide total consumption of 6.4 litres (18). The STEPS results demonstrate patterns of more frequent and higher quantities of alcohol consumption among males and those aged 18-44. As follows, the proportion of alcohol abstainers is predominately female, a trend also seen in results of STEPS surveys from other Caribbean countries. While frequency of alcohol consumption among current drinkers in Guyana is predominately 3 or fewer days per month for both sexes, the amount of consumption varies by sex and reveals patterns of heavy episodic drinking among males. Approximately one in three males (34.1\%) in Guyana report consuming six or more alcoholic drinks in one setting within the past 30 days for an overall prevalence of $21.5 \%$ among both sexes. This prevalence of heavy episodic drinking is higher than that reported in the Region of the Americas (13.7\%) and by other Caribbean countries, such as St. Vincent \& the Grenadines in 2014 (9.0\%), Bermuda in 2014 (13.5\%), and Anguilla in 2016 (18.0\%) (29-32).

The results of the Pan American STEPS Survey should be used to inform and support the the implementation of alcohol strategies that focus on high risk populations, particularly men and those aged 18-44. Currently, the Guyana NCD Strategic Plan 2013-2020 includes the following priority actions for alcohol control: enact and enforce legislation establishing the minimum age limit for the consumption and purchase of alcoholic beverages; regulate or ban alcohol advertising and promotion, especially those ads aimed at children and young people; and establish and enforce blood alcohol level limits in drivers (12).

With these activities, Guyana still is falling short of achieving the Noncommunicable Diseases Progress Monitor indicators, which include three measures from the WHO Global Strategy to Reduce the Harmful Use of Alcohol: enact and enforce restrictions on the physical availability of retailed alcohol (via reduced hours of sale); enact and enforce bans or comprehensive restrictions on exposure to alcohol advertising; and increase excise taxes on alcoholic beverages (22). To reduce the trends of heavy episodic drinking among key populations in Guyana, it is recommended that additional focus be placed on these three areas, all of which should be incorporated into the National Alcohol Policy currently in draft that requires sustained support for finalization and implementation.

## Healthy diet and lifestyle

Similar to trends seen in other Caribbean countries, inadequate fruit and vegetable consumption, unhealthy use of salt/sodium, and physical inactivity are all areas for targeted behavior modifications in Guyana.

Consumption of fruits and vegetables is insufficient with less than one in ten adults 18-69 years of age reporting consumption of the recommended five servings. The average number of days of
fruit consumption was among the lowest ( 3.3 days per week) compared to St. Vincent \& the Grenadines ( 3.3 days), Trinidad and Tobago ( 3.4 days), Saint Lucia ( 4.3 days), Anguilla ( 4.4 days), Grenada ( 4.5 days), Cayman Islands ( 4.7 days), and Bermuda ( 4.9 days); though average number of days of vegetable consumption was among the highest (29-31, 33-36). On average, adults 1869 in Guyana reported 4.8 days of consuming vegetables per week; Cayman Islands reported the highest ( 5.1 days) and St. Lucia reported the lowest (1.1 days) ( 34,36 ). These dietary habits are likely related to the "nutrition transition" and preferences for trans-fasts, salt, and sugar, instead of fruits and vegetables (12). While economic development is normally accompanied by improvements in a country's food supply, facilitating healthier nutritional status of the country's population, this is often accompanied by changes in the production, processing, distribution, and marketing of food.

Use of additional salt in food was also common in Guyana, though a majority (79.9\%) reported their individual salt consumption was just right. The importance of reducing salt in diet was acknowledged and "too much" consumption of salt was recognized as something that could cause serious health problems. This is an important finding for public education aimed at reducing salt consumption. Campaigns that seek to modify this behavior may benefit from existing public awareness about the importance of lowering salt consumption and instead focus messaging on practical applications, such as cooking demonstrations that include low-sodium options.

Physical inactivity is another risk factor that can contribute to the prevention of NCDs, specifically ischemic heart disease, stroke, diabetes, and breast and colon cancer. In Guyana, nearly one third (29.3\%) of adults aged 18-69 did not meet the WHO recommendations on physical activity for health. This is a trend seen within the Region of the Americas where the age-standardized prevalence estimate for 2010 in adults over 18 years of age show the Americas with the highest prevalence of insufficient physical activity (32\%) within WHO Regions; this is likewise seen among other Caribbean countries, as well, with Anguilla reporting $25.9 \%$ of adults met the WHO recommendation, Bermuda $27.1 \%$, and St. Vincent $24.4 \%$ (29-32). Guyana reported the highest median minutes of total physical activity on average per day compared to the other Caribbean countries ( 106.4 minutes). This, however, reflects a longer duration of physical activity among males, as females only reported a median of 38.6 minutes per day, which was a similar duration of time seen among females elsewhere in the Caribbean. As such, many females (40.5\%) in Guyana did not meet the WHO recommendations on physical activity for health. Higher levels of physical activity among males and lower levels among females may be the result of increasingly sedentary workplace and lifestyle, accessibility of public transport, and perhaps limited access to recreational activities.

The impact of physical inactivity was demonstrated through body weight measurements. Within Guyana, the population is predominately overweight with a mean BMI of $26.2 \mathrm{~kg} / \mathrm{m}^{2}$. While nearly half of all adults in Guyana are overweight or obese, this is relatively lower than what is seen in other Caribbean countries. However, without lifestyle modifications, such as increased consumption of fruits and vegetables and physical activity, overweight and obesity rates will increase.

To combat unhealthy diets, the Ministry of Health introduced the Guyana Food and Nutrition Security Strategy, which seeks to facilitate availability and accessibility to food; promote consumption of health foods for increased nutrition; and improve food and nutrition security
(37). To address the need for more physical activity, the Ministry of Culture Youth and Sport developed a strategic plan to increase participation in sports and physical activity (12).

These two documents are referenced in Guyana's Strategic Plan for the Integrated Prevention and Control of Chronic Non-Communicable Diseases and their Risk Factors 2013-2020; however, additional targeted polices are required. Specific indicators in the Noncommunicable Diseases Progress Monitor include the adoption of national policies to reduce population salt/sodium consumption; adoption of national polices that limited saturated fatty acids and virtually eliminate industrially produced trans fatty acids in the food supply; incorporation of WHO recommendations on marketing of foods and non-alcoholic beverages to children; and implementation of a national public awareness and motivational communication for physical activity (22). These measures are also reflected in the Declaration of CARICOM (2). While efforts have been made to educate communities, especially school aged children, about the importance of healthy eating and lifestyle, access to fruits, vegetables, and a trans-fat free food supply is still limited. It is recommended that Guyana establish policies to limit sodium intake and consumption of saturated fats through the standardization of food labelling. In addition, focus has been placed on increasing knowledge about the importance of physical activity and developing accessible community grounds for public use; however, policy interventions supported by CARICOM that require physical activity in schools is also recommended.

## Health system response to NCDs and risk factors

A combined risk approach was used to assess the likelihood of developing an NCD. This risk assessment considered current daily smoking habits, insufficient fruit and vegetable consumption, physical inactivity, obesity, and the existence of raised blood pressure. A majority (66.8\%) of adults in Guyana demonstrated 1-2 risk factors and nearly 75\% of those aged 18-44 years old fell into this category, suggesting the likelihood of developing chronic diseases is occurring at younger ages. Nearly one in every three adults (31.9\%) had 3 or more risk factors.

Other risk factors, such as high blood sugar, cholesterol, and blood pressure contribute to cardiovascular disease and other NCDs, as well. Most adults in Guyana have never had their blood sugar or total cholesterol measured ( $52.4 \%$ and $72.1 \%$, respectively). Biochemical measurement results from STEPS show few adults (5.3\%) were pre-diabetic with impaired fasting glycaemia, while $11.5 \%$ had raised blood glucose or were currently on medication for diabetes and only $7.2 \%$ were diagnosed as diabetic. This is lower than the overall prevalence of raised blood glucose in the Americas from 2014 (8.5\%) (32). Likewise, just over one in ten adults (15.2\%) had borderline high cholesterol. Approximately one in four have not had their blood pressure measured ( $24.1 \%$ ), though the average blood pressure measurements indicate pre-hypertension (125.7/77.7) within the population. Without lifestyle changes, these risk factors will continue to increase and potentially lead to higher rates of diabetes and cardiovascular disease.

Medication use varied and use of traditional medicine was low, aside from older males who used herbal treatment for diabetes ( $24.3 \%$ ). Very few ( $8.5 \%$ ) self-reported ever having a heart attack or chest pain from heart disease or a stroke, though use of statins to prevent or treat heart disease was not common either (2.1\%). Aspirin, however, was used among the older age group for preventative and treatment purposes (17.2\%).

Similarly, less than half of adults receive advice as to how to reduce risk factors from their doctor. When advice is offered, it is mainly about ensuring a healthy diet through increased fruit and vegetable consumption and reduced fat consumption and maintaining a healthy body weight (36.2\%; 34\%; and $35.6 \%$, respectively).

In addition to routine blood sugar, cholesterol, and blood pressure tests, preventative screenings are critical for early cancer detection and diagnosis. A majority of females have never had a screening test for cervical cancer, mammogram, or breast exam ( $77 \%, 89.9 \%$, and $70.9 \%$, respectively); likewise, a majority of men never have had a prostate exam ( $6.7 \%$ have had an exam).

Guyana's Strategic Plan for the Integrated Prevention and Control of Chronic Non-Communicable Diseases and their Risk Factors 2013-2020 includes indicators and activities aimed at reducing the number of adults who present with high risk factors of hypertension, diabetes, high cholesterol, and obesity (12). It also seeks to increase HPV vaccine immunization coverage and access to VIA screening (Visual Inspection with Acetic Acid) among high risk populations for the prevention of cervical cancer (12).

However, to effectively manage the prevention and treatment of NCDs, the public health system in Guyana needs to be strengthened with an emphasis on primary care and the scaling up of NCD prevention and control services through a model of integrated management, which is a chronic care model with evidence-based guidelines, clinical information system, self-care, community support, and multidisciplinary team-based care. These services must also include provisions for drug therapy and counselling for high risk populations, such as increasing the lifestyle advice offered by doctors and health care professionals emphasizing the importance of risk factor reduction, which is a demonstrated gap in services from the STEPS results. In addition, protocols that facilitate the routinization of prevention tests and exams is critical as results from the Pan American STEPS Survey demonstrate that many adults have not received basic NCD screening tests; as such, there is additional need for these services. These steps are vital to the management of NCDs and are prioritized as NCD progress indicators (22).

In July 2016, Guyana transitioned from a lower middle-income country to an upper middleincome country classification by the World Bank as a result of an anticipated economic impact from the discovery of new oil reserves. This new classification brings both positives and negatives. The opportunity is for a portion of this new economic windfall to be earmarked for Universal Health Coverage (UHC), which would include greater access to and implementation of "WHO Best-Buys" services for NCDs. The converse is that economic development may be accompanied by increased importation, marketing, and consumption of unhealthy foods, sugary drinks, and alcohol.

## Surveillance

Surveillance is a critical component of an effective NCD control and prevention strategy. Without surveillance, it is difficult to quantify and conceptualize the burden of disease in a country, which in turn informs national strategies and policies. The Noncommunicable Disease Progress Monitor incorporates surveillance strategies into four unique progress indicators that aims to set timebound national targets, establish a system to generate mortality data, conduct a STEPS or
comprehensive health examination survey every five years, and encourages countries to develop a national multisectoral national strategy that integrates the major NCDs and their shared risk factors and (22).

The 2016 Pan American STEPS Survey report provides the first nationally representative survey results on NCDs and their risk factors in Guyana. With this information, targets established in Guyana’s Strategic Plan for the Integrated Prevention and Control of Chronic Noncommunicable Diseases and their Risk Factors, 2013-2020 can be reinforced and extended beyond 2020 (12). As such, these results provide a significant opportunity for the Government of Guyana to review trends and advocate for accelerated progress on specific areas.

Information gained from the Guyana Pan American STEPS Survey can be best maximized when used concurrently with other available information systems, which include health outcome data from mortality and morbidity data systems or policy level information, such as tobacco use policy or cervical cancer monitoring information systems (23).

Likewise, the conduct of the Pan American STEPS Survey or other health surveys must be continued every five years to facilitate measurement of trends in NCD prevalence and risk factors in the adult population. Guyana has made progress on this indicator by not only conducting the Pan American STEPS Survey in 2016, but also the Global Youth Tobacco Survey in 2015 and the Global Adult Tobacco Survey in 2016.

Finally, Guyana has developed their Strategic Plan for the Integrated Prevention and Control of Chronic Noncommunicable Disease and their Risk Factors 2013-2020, which includes national targets for prevention and control of NCDs. The findings in this report are particularly relevant to any actions which Guyana may undertake to inform and strengthen national and subnational policies, actions, and strategies for NCD prevention and control. The Ministry of Health should consider timely and effective ways to disseminate fact sheets and key findings to engage multiple sectors that can play key roles in addressing specific NCD risk factors through coordinated actions, such as the implementation of the WHO "Best Buys" for reducing NCDs and their risk factors.

Therefore, while Guyana has made great strides in the conduct of surveillance for the prevention and control of NCDs and their risk factors, including the invaluable completion of the Pan American STEPS Survey in 2016 and development of the Strategic Plan for the Integrated Prevention and Control of Chronic Noncommunicable Disease and their Risk Factors 2013-2020 paired with the Tobacco Control Act 2017, continued focus on conducting routine surveillance is required.

## Conclusion

As the first nationwide comprehensive health survey, the conduct of the 2016 Pan American STEPS Survey represents significant national commitment toward the management of NCDs and their risk factors. The results serve as a baseline for monitoring and evaluation and demonstrate the need for continued implementation and integration of Guyana's Strategic Plan for the Integrated Prevention and Control of Chronic Noncommunicable Disease and their Risk Factors 2013-2020. The following are key findings from the survey that can be used to guide future policies and strategies to reduce the health and economic burden of NCDs:

- Tobacco use is more prevalent among males than females and patterns of consumption demonstrate more daily than occasional smokers;
- Heavy episodic drinking is common and predominately seen among males 18-44;
- Adults 18-69 do not consume the recommended five servings of fruits and vegetables per day;
- A majority of adults believe they consume just the right amount of salt, but recognize the importance of lowering salt in their diet;
- Females are more likely than males to not meet the WHO recommendations on physical activity for health;
- Preventative screenings for cervical and breast cancers are insufficient and not widely or consistently conducted;
- Few adults have impaired fasting glycaemia, but one in ten have borderline high cholesterol;
- One in every four had raised blood pressure or were currently on medication for raised blood pressure and of those diagnosed with raised blood pressure, nearly half were unaware of their condition; less than one in every five had controlled their raised blood pressure; and
- More than half of adults 18-69 are overweight or obese.


## Recommendations

The recommendations based on the findings of this survey are presented according to the respective priority actions of the WHO Global Action Plan for NCDs 2013 which aims to reduce the number of premature deaths from NCDs by $25 \%$ by 2025 through six priority actions.

## Priority Action 1: Reigniting the political commitment

- There is need for sustained political commitment for the prevention and control of NCDs, as resources are needed to tackle the response on the health system and surveillance. NCDs should remain as a priority issue for attention and resources as outlined in Guyana's National Health Vision 2020 and adequate resources allocated for the sustained implementation of the Strategic Plan for the Integrated Prevention and Control of Chronic Noncommunicable Diseases and their Risk Factors, 2013-2020.


## Priority Action 2 - Implement multisectoral NCDs plans of action

- Guyana should continue to work to build the capacity of the National NCDs Commission to effectively carry out its mandate within the country. Guyana's National NCDs Commission was launched in September 2014. The country is currently in the process of reviewing the leadership and composition of the Commission with a view to including additional members from other sectors, as well as reducing the role of the Ministry of Public Health in the coordination of the activities of the Commission.
- Efforts to collate data on NCDs and related risk factors in the country from other health sectors should be defined.
- The country should continue to use the WHO Tools for developing, implementing and monitoring the implementation of the National Multisectoral Action Plan for NCDs.
- Efforts should be made to strengthen partnerships and collaboration with academic institutions, civil society organizations, and UN agencies, including PAHO, in an effort to harmonize and intensify efforts for NCDs prevention and control within the country.


## Priority Action 3 - Implement regulatory policies on risk factors

- Guyana should strengthen efforts to support region-wide initiatives, to develop where necessary, and implement common regulations and legislations for tobacco control, alcohol, ultra -processed foods and sugar sweetened beverages as part of CARICOM's responsibility.
- Guyana passed its National Tobacco Bill in 2017. There should be sustained advocacy for the inclusion of taxes in the country's national tobacco legislation in keeping with the benchmark of $70 \%$.
- There should also be sustained support for the finalization of the National Alcohol Policy which is currently being drafted and there should be aggressive efforts to develop and/or adopt policies to promote physical activity, including school programmes, creating bike paths and closing streets for physical activity considering that the country is still to develop a formal policy for physical activity and limit salt content in foods.


## Priority Action 4 - Work towards universal health coverage and universal access to health

- Guyana should continue to work aggressively towards the achievement of universal health coverage and universal access to health. In an effort to achieve this goal, the country should continue to use PAHO's universal access to health and universal health coverage page as a guide to developing national plan for universal access to health and universal health coverage. Even though the country has been working towards the full implementation of its Package of Essential Health Care Services in the quest to achieve universal health coverage guided by the findings from a Service Availability and Readiness Assessment tool, there are still existing gaps in the health care delivery system.
- The country should endeavor to utilize the PAHO strategic fund to improve access to quality NCDs medication at lower prices for greater investment in health at the primary health care level and implement human resources for health training in order to increase skills and competencies of personnel in NCDs prevention, screening and early detection, and NCDs management. The Government has been investing in training of skilled human resources with capacity building for health care staff through the allocation of fellowships and the creation of opportunities for post graduate studies, but these interventions should be strengthened and guided by a comprehensive human resources for health strategy.
- The country should continue to work to strengthen the delivery of health services at the regional levels and foster better collaboration with other sectors outside of health, particularly the Ministry of Communities. An assessment of the effectiveness of the Berbice Regional Health Authority was conducted and it is anticipated that the findings of this assessment will guide efforts to strengthen health care delivery at the regional level, thus improving access and coverage.


## Priority Action 5 - Strengthen surveillance and data collection

- The country should focus to strengthen at least 4 of the key sources of information that are relevant for NCDs: mortality information system, population-based surveys collection data on youth and adult, cancer registry and primary health care information system.
- Guyana should strengthen their capacity to monitor its progress on the implementation of policies and measure the 25 indicators and 9 targets established at the Global Monitoring Framework on NCDs.
- Pan American STEPS Survey should be integrated at the national survey system established by the Guyana Bureau of Statistics to be implemented every 4 to 5 years with funds being planned and allocated for this activity as part of the national calendar.
- NCDs and their Risk Factors should be included in the national surveillance system response normative along with the communicable disease, violence and injuries.


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## Annexes

Annex 1: 2015 Progress Indicator Status
Annex 2: STEPS Factsheet

Annex 3: Tobacco Control Policies Factsheet

Annex 4 : Questionnaire
Annex 5: STEPS data book

## Annex 1:2015 Progress Indicator Status

## Guyana

Total population: 795000
Income group: Lower middle
Percentage of deaths from NCDs: 67\%
Total number of NCD deaths: 4000
Probability of premature mortality from NCDs: 37\%

## 1 National NCD targets and indicators

2 Mortality data
3. Risk factor surveys

4 National integrated NCD policy/strategy/action plan
3
Tobacco demand-reduction measures:
a. taxation
b. smoke-free policies
c. health warnings
d. advertising bans

6
Harmful use of alcohol reduction measures:
a. availability regulations
b. advertising and promotion bans
c. pricing policies
(7) Unhealthy diet reduction measures:
a. salt/sodium policies
b. saturated fatty acids and trans-fats policies
c. marketing to children restrictions
d. marketing of breast-milk substitutes restrictions

1 Public awareness on diet and/or physical activity

- Guidelines for the management of major NCDs

Drug therapy/counselling for high risk persons
$\circ=$ not achieved $\quad$ = partially achieved $\bullet=$ fully achieved $\quad=$ documentation not available

World Healh Organization - NCD Progress Monitor, 2015.

Reference: World Health Organization. 2015. Noncommunicable Diseases Progress Monitor 2015. Available at: http://goo.gl/nmcF5U. Accessed on 31 May 2019.

Annex 2: STEPS Factsheet
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Annex 4 : Questionnaire
Annex 5: STEPS data book

The STEPS survey of noncommunicable disease (NCD) risk factors in Guyana was carried out from September 28 to October 26, 2016. Guyana carried out Step 1, Step 2 and Step 3. Socio demographic and behavioural information was collected in Step 1. Physical measurements such as height, weight and blood pressure were collected in Step 2. Biochemical measurements were collected to assess blood glucose, lipid profiles and presence of hemoglobinopathies such as sickle cell anemia and Thalassemia in Step 3. The survey was a population-based survey of adults aged 18-69. A cluster sample design was used to produce representative data for that age range in Guyana. A total of 2662 adults participated in the survey. The overall response rate was $77 \%$ for Steps 1 and 2 and $40 \%$ for Step 3 . A repeat survey is planned for 2021 if funds permit.

| Results for adults aged 18-69 years (incl. 95\% CI) (adjust if necessary) | Both Sexes | Males | Females |
| :---: | :---: | :---: | :---: |
| Step 1 Tobacco Use |  |  |  |
| Percentage who currently smoke tobacco | $\begin{gathered} \hline 15.4 \\ (12.3-18.4) \\ \hline \end{gathered}$ | $\begin{gathered} 26.6 \\ (21.2-32.0) \\ \hline \end{gathered}$ | $\begin{gathered} 3.3 \\ (2.3-4.4) \\ \hline \end{gathered}$ |
| Percentage who currently smoke tobacco daily | $\begin{gathered} 10.8 \\ (8.5-13.1) \end{gathered}$ | $\begin{gathered} \hline 18.8 \\ (14.6-23.0) \end{gathered}$ | $\begin{gathered} \hline 2.2 \\ (1.4-3.0) \end{gathered}$ |
| For those who smoke tobacco daily |  |  |  |
| Average age started smoking (years) | $\begin{gathered} 18.0 \\ (-) \\ \hline \end{gathered}$ | $\begin{gathered} 17.5 \\ (-) \\ \hline \end{gathered}$ | $\begin{gathered} 21.9 \\ (-) \\ \hline \end{gathered}$ |
| Percentage of daily smokers smoking manufactured cigarettes | $\begin{gathered} 98.3 \\ (96.0-100.6) \\ \hline \end{gathered}$ | $\begin{gathered} 98.1 \\ (95.5-100.7) \\ \hline \end{gathered}$ | $\begin{gathered} 100.0 \\ (100.0-100.0) \\ \hline \end{gathered}$ |
| Mean number of manufactured cigarettes smoked per day (by smokers of manufactured cigarettes) | $\begin{gathered} 9.5 \\ (-) \end{gathered}$ | $\begin{gathered} 9.5 \\ (-) \\ \hline \end{gathered}$ | $\begin{gathered} 9.6 \\ (-) \\ \hline \end{gathered}$ |
| Step 1 Alcohol Consumption |  |  |  |
| Percentage who are lifetime abstainers | $\begin{gathered} 27.0 \\ (24.1-30.0) \\ \hline \end{gathered}$ | $\begin{gathered} 13.9 \\ (10.7-17.1) \\ \hline \end{gathered}$ | $\begin{gathered} 40.0 \\ (37.4-44.6) \\ \hline \end{gathered}$ |
| Percentage who are past 12 month abstainers | $\begin{gathered} 15.8 \\ (12.9-18.8) \\ \hline \end{gathered}$ | $\begin{gathered} 12.9 \\ (8.4-17.3) \\ \hline \end{gathered}$ | $\begin{gathered} 19.0 \\ (16.3-21.6) \\ \hline \end{gathered}$ |
| Percentage who currently drink (drank alcohol in the past 30 days) | $\begin{gathered} 41.0 \\ (38.1-44.0) \end{gathered}$ | $\begin{gathered} 59.3 \\ (54.9-63.8) \end{gathered}$ | $\begin{gathered} 21.4 \\ (18.9-24.0) \\ \hline \end{gathered}$ |
| Percentage who engage in heavy episodic drinking (6 or more drinks on any occasion in the past 30 days) | $\begin{gathered} 21.5 \\ (18.8-24.1) \\ \hline \end{gathered}$ | $\begin{gathered} 34.1 \\ (29.5-38.8) \end{gathered}$ | $\begin{gathered} 7.9 \\ (6.3-9.5) \end{gathered}$ |
| Step 1 Fruit and Vegetable Consumption (in a typical week) |  |  |  |
| Mean number of days fruit consumed | $\begin{gathered} 3.3 \\ (3.2-3.4) \end{gathered}$ | $\begin{gathered} 3.3 \\ (3.1-3.5) \end{gathered}$ | $\begin{gathered} 3.4 \\ (3.2-3.5) \\ \hline \end{gathered}$ |
| Mean number of servings of fruit consumed on average per day | $\begin{gathered} 1.0 \\ (1.0-1.0) \end{gathered}$ | $\begin{gathered} 1.0 \\ (1.0-1.1) \end{gathered}$ | $\begin{gathered} 1.0 \\ (0.9-1.0) \end{gathered}$ |
| Mean number of days vegetables consumed | $\begin{gathered} 4.8 \\ (4.7-4.9) \end{gathered}$ | $\begin{gathered} 4.7 \\ (4.5-4.8) \end{gathered}$ | $\begin{gathered} 5.1 \\ (4.9-5.2) \end{gathered}$ |
| Mean number of servings of vegetables consumed on average per day | $\begin{gathered} 1.3 \\ (1.2-1.5) \\ \hline \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \\ \hline \end{gathered}$ | $\begin{gathered} 1.3 \\ (1.2-1.4) \\ \hline \end{gathered}$ |
| Percentage who ate less than 5 servings of fruit and/or vegetables on average per day | $\begin{gathered} 93.6 \\ (92.2-95.0) \end{gathered}$ | $\begin{gathered} 93.0 \\ (90.4-95.5) \end{gathered}$ | $\begin{gathered} 94.2 \\ (94.7-95.7) \end{gathered}$ |
| Step 1 Physical Activity |  |  |  |
| Percentage with insufficient physical activity (defined as < 150 minutes of moderate-intensity activity per week, or equivalent)* | $\begin{gathered} \hline 15.8 \\ (13.6-18.1) \\ \hline \end{gathered}$ | $\begin{gathered} 12.2 \\ (9.4-15.0) \end{gathered}$ | $\begin{gathered} \hline 19.7 \\ (17.0-22.5) \\ \hline \end{gathered}$ |
| Median time spent in physical activity on average per day (minutes) (presented with inter-quartile range) | $\begin{gathered} 106.4 \\ (12.9-342.9) \end{gathered}$ | $\begin{gathered} 220.0 \\ (36.4-454.3) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 38.6 \\ (0.0-180.0) \\ \hline \end{gathered}$ |
| Percentage not engaging in vigorous activity | $\begin{gathered} 63.9 \\ (61.3-66.6) \end{gathered}$ | $\begin{gathered} 44.2 \\ (40.4-48.0) \end{gathered}$ | $\begin{gathered} 85.0 \\ (82.3-87.6) \end{gathered}$ |
| Step 1 Cervical Cancer Screening |  |  |  |
| Percentage of women aged 30-49 years who have ever had a screening test for cervical cancer |  |  |  |

[^3]
## Guyana STEPS Survey 2016

## Fact Sheet

Results for adults aged 18-69 years (incl. 95\% CI) (adjust if necessary)

## Step 2 Physical Measurements

| Mean body mass index - BMI (kg/m²) | $\begin{gathered} 26.2 \\ (25.8-26.7) \end{gathered}$ | $\begin{gathered} 24.6 \\ (24.0-25.3) \end{gathered}$ | $\begin{gathered} 28.0 \\ (27.5-28.5) \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| Percentage who are overweight (BMI $\geq 25 \mathrm{~kg} / \mathrm{m}^{2}$ ) | $\begin{gathered} 50.3 \\ (47.2-53.5) \end{gathered}$ | $\begin{gathered} 39.8 \\ (34.6-44.9) \end{gathered}$ | $\begin{gathered} 61.8 \\ (58.6-65.0) \end{gathered}$ |
| Percentage who are obese ( $\mathrm{BMI} \geq 30 \mathrm{~kg} / \mathrm{m}^{2}$ ) | $\begin{gathered} 23.6 \\ (21.3-25.9) \end{gathered}$ | $\begin{gathered} 14.0 \\ (11.1-16.8) \end{gathered}$ | $\begin{gathered} 34.0 \\ (31.1-37.0) \end{gathered}$ |
| Average waist circumference (cm) |  | $\begin{gathered} 88.4 \\ (85.9-91.0) \end{gathered}$ | $\begin{gathered} 92.7 \\ (91.3-94.0) \end{gathered}$ |
| Mean systolic blood pressure - SBP ( mmHg ), including those currently on medication for raised BP | $\begin{gathered} 125.8 \\ (124.8-126.7) \end{gathered}$ | $\begin{array}{c\|} \hline 128.5 \\ (127.1-130.0) \\ \hline \end{array}$ | $\begin{gathered} \hline 122.8 \\ (121.5-124.0) \end{gathered}$ |
| Mean diastolic blood pressure - DBP ( mmHg ), including those currently on medication for raised BP | $\begin{gathered} 77.7 \\ (77.0-78.4) \end{gathered}$ | $\begin{gathered} 78.6 \\ (77.5-79.7) \\ \hline \end{gathered}$ | $\begin{gathered} 76.8 \\ (76.0-77.6) \\ \hline \end{gathered}$ |
| Percentage with raised BP (SBP $\geq 140$ and/or DBP $\geq 90 \mathrm{mmHg}$ or currently on medication for raised BP) | $\begin{gathered} 26.3 \\ (24.3-28.3) \end{gathered}$ | $\begin{gathered} \hline 16.5 \\ (10.8-22.2) \end{gathered}$ | $\begin{gathered} 22.9 \\ (17.9-28.0) \end{gathered}$ |
| Percentage with raised BP (SBP $\geq 140$ and/or DBP $\geq 90 \mathrm{mmHg}$ ) who are not currently on medication for raised BP | $\begin{gathered} \hline 18.4 \\ (16.3-20.5) \end{gathered}$ | $\begin{gathered} 20.7 \\ (17.0-24.4) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 15.9 \\ (13.0-18.7) \end{gathered}$ |
| Step 3 Biochemical Measurement |  |  |  |
| Mean fasting blood glucose, including those currently on medication for raised blood glucose [choose accordingly: $\mathrm{mmol} / \mathrm{L}$ or $\mathrm{mg} / \mathrm{dl}$ ] | $\begin{gathered} 93.8 \\ (-) \end{gathered}$ | $\begin{gathered} 85.0 \\ (-) \\ \hline \end{gathered}$ | $\begin{gathered} 102.5 \\ (-) \\ \hline \end{gathered}$ |
| Percentage with impaired fasting glycaemia as defined below <br> - plasma venous value $\geq 6.1 \mathrm{mmol} / \mathrm{L}(110 \mathrm{mg} / \mathrm{dl})$ and $<7.0 \mathrm{mmol} / \mathrm{L}(126 \mathrm{mg} / \mathrm{dl})$ <br> - capillary whole blood value $\geq 5.6 \mathrm{mmol} / \mathrm{L}(100 \mathrm{mg} / \mathrm{dl})$ and $<6.1 \mathrm{mmol} / \mathrm{L}(110 \mathrm{mg} / \mathrm{dl})$ | $\begin{gathered} 5.3 \\ (3.0-7.6) \end{gathered}$ | $\begin{gathered} 4.7 \\ (1.5-8.0) \end{gathered}$ | $\begin{gathered} 5.8 \\ (2.9-8.8) \end{gathered}$ |
| Percentage with raised fasting blood glucose as defined below or currently on medication for raised blood glucose <br> - plasma venous value $\geq 7.0 \mathrm{mmol} / \mathrm{L}(126 \mathrm{mg} / \mathrm{dl})$ <br> - capillary whole blood value $\geq 6.1 \mathrm{mmol} / \mathrm{L}(110 \mathrm{mg} / \mathrm{dl})$ | $\begin{gathered} 7.2 \\ (5.4-9.0) \end{gathered}$ | $\begin{gathered} 5.0 \\ (2.8-7.2) \end{gathered}$ | $\begin{gathered} 9.5 \\ (6.7-12.2) \end{gathered}$ |
| Mean total blood cholesterol, including those currently on medication for raised cholesterol [choose accordingly: $\mathrm{mmol} / \mathrm{L}$ or $\mathrm{mg} / \mathrm{dl}$ ] | $\begin{gathered} 192.8 \\ (-) \\ \hline \end{gathered}$ | $\begin{gathered} 189 \\ (-) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 196.6 \\ (-) \\ \hline \end{gathered}$ |
| Percentage with raised total cholesterol ( $\geq 5.0 \mathrm{mmol} / \mathrm{L}$ or $\geq 190 \mathrm{mg} / \mathrm{dl}$ or currently on medication for raised cholesterol) | $\begin{gathered} 50.1 \\ (45.7-54.5) \end{gathered}$ | $\begin{gathered} \hline 46.8 \\ (40.1-53.5) \end{gathered}$ | $\begin{gathered} 53.4 \\ (48.2-58.6) \end{gathered}$ |
| Cardiovascular disease (CVD) risk |  |  |  |
| Percentage aged $40-69$ years with a 10 -year CVD risk $\geq 30 \%$, or with existing CVD** |  |  |  |
| Summary of combined risk factors <br> - current daily smokers <br> - less than 5 servings of fruits \& vegetables per day <br> - insufficient physical activity | eight (BMI $\geq$ <br> BP (SBP $\geq 1$ <br> tly on medica | $\mathrm{g} / \mathrm{m}^{2}$ ) <br> nd/or DBP $\geq$ for raised BP ) | mHg or |
| Percentage with none of the above risk factors | $\begin{gathered} 1.308 \\ (0.7-1.9) \end{gathered}$ | $\begin{gathered} 1.3 \\ (0.4-2.3) \end{gathered}$ | $\begin{gathered} 1.3 \\ (0.6-2.0) \end{gathered}$ |
| Percentage with three or more of the above risk factors, aged 18 to 44 years | $\begin{gathered} 23.4 \\ (21.3-25.5) \end{gathered}$ | $\begin{gathered} 19.1 \\ (15.0-23.1) \\ \hline \end{gathered}$ | $\begin{gathered} 28.2 \\ (24.4-32.0) \end{gathered}$ |
| Percentage with three or more of the above risk factors, aged 45 to 69 years | $\begin{gathered} \hline 50.8 \\ (46.8-54.9) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 45.2 \\ (39.0-51.4) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 56.7 \\ (51.2-62.2) \end{gathered}$ |
| Percentage with three or more of the above risk factors, aged 18 to 69 years | $\begin{gathered} \hline 31.9 \\ (29.9-33.8) \\ \hline \end{gathered}$ | $\begin{gathered} 27.0 \\ (23.5-30.5) \\ \hline \end{gathered}$ | $\begin{gathered} 37.1 \\ (1.7-33.7) \\ \hline \end{gathered}$ |

** A 10-year CVD risk of $\geq 30 \%$ is defined according to age, sex, blood pressure, smoking status (current smokers OR those who quit smoking less than 1 year before the assessment), total cholesterol, and diabetes (previously diagnosed OR a fasting plasma glucose concentration $>7.0$ $\mathrm{mmol} / \mathrm{l}(126 \mathrm{mg} / \mathrm{dl})$.

The WHO STEPwise approach to surveillance (STEPS) is a simple, standardized method for collecting, analysing and disseminating data on noncommunicable diseases (NCDs) and risk factors. Data are collected on the established risk factors and NCD conditions that determine the major NCD burden, including tobacco use, harmful use of alcohol, unhealthy diet, insufficient physical activity, overweight and obesity, raised blood pressure, raised blood glucose, and abnormal blood lipids. Data from STEPS surveys can be used by countries to help monitor progress in meeting the global voluntary targets related to specific risk factors such as tobacco, alcohol, diet and physical inactivity. The tobacco indicators from STEPS can be used to evaluate and monitor existing tobacco-control policies and programs.*

The STEPS survey of noncommunicable disease (NCD) risk factors in Guyana was carried out from September 28 to October 26, 2016. Guyana carried out Step 1, Step 2 and Step 3. Socio demographic and behavioural information was collected in Step 1. Physical measurements such as height, weight and blood pressure were collected in Step 2. Biochemical measurements were collected to assess blood glucose, lipid profiles and presence of hemoglobinopathies such as sickle cell anemia and Thalassemia in Step 3. The survey was a population-based survey of adults aged 18-69. A cluster sample design was used to produce representative data for that age range in Guyana. A total of 2662 adults participated in the survey. The overall response rate was $77 \%$ for Steps 1 and 2 and $40 \%$ for Step 3. A repeat survey is planned for 2021 if funds permit.

## Highlights

## TOBACCO USE

- $26.6 \%$ of men, $3.3 \%$ of women, and $15.4 \%$ overall were current smokers of tobacco.


## CESSATION

- 6 in 10 current smokers tried to stop smoking in the last 12 months.
- 3 in 10 current smokers were advised by a health care provider to stop smoking in the last 12 months


## MEDIA

- 5 in 10 adults noticed anti-cigarette smoking information on the television or radio.
- 6 in 10 current smokers thought about quitting because of warning labels on cigarette packages.
- 3 in 10 adults noticed cigarette marketing in stores where cigarettes are sold.
- 1 in 10 adults noticed cigarette promotions.


## ECONOMCIS

- Average monthly expenditure on manufactured cigarettes was GUY\$ 11,602.16

Data presented in this fact sheet relate only to select tobacco indicators. Additional information on tobacco or other NCD risk factors from the survey is available from sources listed below.

For additional information, please contact:
STEPS country focal point: Dr. Kavita Singh, ksingh@health.gov.gy
*Tobacco questions are drawn from the Tobacco Questions for Surveys (TQS) http://www.who.int/tobacco/publications/surveillance/tqs/en/

| Results for adults aged 18-69 years | $\begin{gathered} \text { Overall } \\ \%(95 \% \mathrm{CI}) \\ \hline \end{gathered}$ | $\begin{gathered} \text { Males } \\ \%(95 \% \mathrm{Cl}) \\ \hline \end{gathered}$ | $\begin{gathered} \text { Females } \\ \%(95 \% \mathrm{Cl}) \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| Tobacco Use |  |  |  |
| Current tobacco users (smoked and/or smokeless) ${ }^{1}$ |  |  |  |
| Current tobacco users |  |  |  |
| Current daily tobacco users |  |  |  |
| Current tobacco smokers |  |  |  |
| Current tobacco smokers | 15.4 (12.3-18.4) | 26.6 (21.2-32.0) | 3.3 (2.3-4.4) |
| Current cigarette smokers ${ }^{2}$ | 14.5 (11.4-17.6) | 25.4 (19.9-30.9) | 2.8 (1.9-3.9) |
| Current daily tobacco smokers | 10.8 (8.5-13.1) | 18.8 (14.6-23.0) | 2.2 (1.4-3.0) |
| Current daily cigarette smokers | 10.3 (8.0-12.6) | 18.0 (13.8-22.3) | 2.1 (1.3-2.9) |
| Average age started tobacco smoking (years) | 17.9 | 17.5 | 21.9 |
| Average number of cigarettes smoked per day (among daily cigarette smokers) | 9.5 | 9.5 | 9.6 |
| Current smokeless tobacco users |  |  |  |
| Current smokeless tobacco users |  |  |  |
| Current daily smokeless tobacco users |  |  |  |
| Current non-users (smoked and/or smokeless) ${ }^{1}$ |  |  |  |
| Former tobacco users ${ }^{3}$ |  |  |  |
| Former tobacco smokers ${ }^{4}$ | 15.5 (13.5-17.4) | 22.2 (18.4-26.0) | 8.3 (6.4-10.1) |
| Never users |  |  |  |
| Exposure to Second-hand smoke |  |  |  |
| Adults exposed to second-hand smoke at home* |  |  |  |
| Adults exposed to second-hand smoke in the closed areas in their workplace* |  |  |  |
| Tobacco Cessation |  |  |  |
| Current smokers who tried to stop smoking in past 12 months | 59.7 (53.6-65.7) | 58.7 (51.9-65.4) | 68.3 (54.4-82.2) |
| Current smokers advised by a health care provider to stop smoking in past 12 months ${ }^{5}$ | 34.7 (21.6-47.7) | 36.1 (22.0-50.2) | 23.0 (6.4-39.5) |
| Health Warnings |  |  |  |
| Current smokers who thought about quitting because of a warning label* | 63.5 (54.0-73.0) | 62.4 (52.5-73.2) | 70.7 (56.3-85.0) |
| Adults who noticed anti-cigarette smoking information on the television or radio * | 49.8 (46.6-53.0) | 50.1 (45.9-54.4) | 49.5 (45.9-53.2) |
| Adults who noticed anti-cigarette smoking information in newspapers or magazines* | 31.3 (28.2-34.4) | 31.4 (27.2-35.6) | 31.3 (27.6-35.0) |
| Tobacco Advertisement and Promotion |  |  |  |
| Adults who noticed cigarette marketing in stores where cigarettes are sold* | 29.4 (26.7-32.1) | 30.3 (25.4-35.1) | 28.4 (25.3-31.5) |
| Adults who noticed any cigarette promotions* | 15.0 (13.0-17.0) | 17.1 (13.4-20.7) | 12.9 (10.8-14.9) |
| Economics | Local Currency [XXX] |  |  |
| Average amount spent on 20 manufactured cigarettes [IN LOCAL CURRENCY] | GUY\$ 924.54 |  |  |
| Average monthly expenditure on manufactured cigarettes [IN LOCAL CURRENCY] | GUY\$ 11,602.16 |  |  |
| Cost of 100 packs of manufactured cigarettes as a percentage of per capita Gross Domestic Product (GDP) [YEAR] ${ }^{6}$ | 11.3\% |  |  |

1 Current use refers to daily and less than daily use. 2 Includes manufactured cigarettes and hand-rolled cigarettes. Adapted for other products as per country situation. 3 Current non-users. 4 Current non-smokers. 5 Among those who visited a health care provider in past 12 months. 6 [Source and year for per capita GDP]. * During the past 30 days. $\dagger$ Promotions include free cigarette sample, cigarettes at sale prices, coupons for cigarettes, free gifts upon purchase of cigarettes, clothing or other items with cigarette brand name or logo and cigarette promotions in mail. Adults refer to persons age 18-69 years. Data have been weighted to be nationally representative of all men and women age 18-69 years Technical assistance for the survey was provided by the World Health Organization (WHO). This document has been produced with a partial grant from the CDC Foundation, with financial support from the Bloomberg Initiative to Reduce Tobacco Use, a program of Bloomberg Philanthropies. The contents of this document are the sole responsibility of the authors and can under no circumstances be regarded to reflect the positions of the CDC Foundation.

# STEPS Q-by-Q Guide for Chronic Disease Risk Factor Surveillance 

## Guyana

## Survey Information

| Location and Date | Response | Code |
| :---: | :---: | :---: |
| Ennumeration District Number <br> Record Cluster, Centre or Village ID from list provided | L- | 11 |
| Village Number <br> Insert Cluster, Centre or Village name as appropriate |  | 12 |
| Interviewer ID <br> Record interviewer's identification | L | 13 |
| Date of completion of the instrument <br> Record date when instrument actually completed |  | 14 |



Record and file identification information ( 15 to I 10 ) separately from the completed questionnaire.

## Step 1 Demographic Information

| CORE: Demographic Information |  |  |
| :---: | :---: | :---: |
| Question | Response | Code |
| Sex (Record Male / Female as observed) Circle Male / Female as observed. | $\begin{array}{rr} \text { Male } & 1 \\ \text { Female } & 2 \end{array}$ | C1 |
| What is your date of birth? <br> Don't Know 77777777 <br> Record date of birth of participant. |  | C2 |
| How old are you? <br> Help participant estimate their age by interviewing them about their recollection of widely known major events. | Years | C3 |
| In total, how many years have you spent at school or in fulltime study (excluding pre-school)? <br> Record total number of years of education (excluding preschool and kindergarten). | Years | C4 |

## EXPANDED: Demographic Information

## What is the highest level of education you have completed?

If a person attended a few months of the first year of secondary school but did not complete the year, record "primary school completed". If a person only attended a few years of primary school, record "less than primary school". Circle appropriate response.
 Less than primary school 2
Primary school completed 3
Secondary school completed 4
Tertiary/Technical completed 5
College/University completed 6
Post graduate degree 7

Refused 88

| East Indian | 1 |  |
| ---: | :--- | :--- |
| African/Black | 2 |  |
| Amerindian | 3 |  |
| Chinese | 4 | C6 |
| Portuguese | 5 |  |
| Mixed | 6 |  |
| White | 7 |  |
| Refused | 88 |  |
| Never married | 1 |  |
| Currently married | 2 | C7 |
| Separated | 3 |  |
| Divorced | 4 |  |
| Widowed | 5 | C8 |
| Cohabitating | 6 |  |
| Refused | 88 |  |


| Which of the following best describes your main work status over the past 12 months? <br> The purpose of this question is to help answer other questions such as whether or not health status contributes to unemployment, or whether people in different kinds of occupations may be confronted with different risk factors. Record appropriate response | Non-government employee 2 <br> Self-employed 3 <br> Non-paid 4 <br> Student 5 <br> Homemaker 6 <br> Retired 7 <br> Unemployed (able to work) 8 <br> Unemployed (unable to work) 9 <br> Refused 88 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| How many people older than 18 years, including yourself, live in your household? <br> Record the total number of people living in the household who are 18 years or older. | Number of people |  |  | C9 |
| EXPANDED: Demographic Information, Continued |  |  |  |  |
| Question | Response |  |  | Code |
| Taking the past year, can you tell me what the average earnings of the household have been? <br> (RECORD ONLY ONE, NOT ALL 3) <br> Record the average earnings of the household by week, month, or year. If refused to answer, skip to C11. |  |  |  | C10a |
|  | OR per month $\quad \square$ |  |  | C10b |
|  | OR per year $\llcorner\perp$ |  |  | C10c |
|  | Refused 88 |  |  | C10d |
| If you don't know the amount, can you give an estimate of the annual household income if I read some options to you? Is it <br> (READ OPTIONS) <br> Record the quintile value which is the closest to the annual household income. | $\leq$ \$500,000 | 1 |  | C11 |
|  | More than \$500,000 $\leq$ \$ 700,000 | 2 |  |  |
|  | More than \$700,000 $\leq \$ 900,000$ | 3 |  |  |
|  | More than \$900,000 $\leq \$ 1,100,000$ | 4 |  |  |
|  | More than \$1,100,000 $\mathbf{~ \$ 1 , 5 0 0 , 0 0 0}$ | 5 |  |  |
|  | More than \$1,500,000 $\leq$ 2,300,000 | 6 |  |  |
|  | More than \$2,300,000 $\leq$ 3,500,000 | 7 |  |  |
|  | More than \$3,500,000 | 8 |  |  |
|  | Don't Know | 77 |  |  |
|  | Refused | 88 |  |  |

## Step 1 Behavioural Measurements

## CORE: Tobacco Use

Now I am going to ask you some questions about tobacco use.

| Question | Response |  | Code |
| :---: | :---: | :---: | :---: |
| Do you currently smoke any tobacco products, such as cigarettes, cigars or pipes? <br> (USE SHOWCARD) <br> Ask the participant to think of any tobacco products he/she is smoking currently. |  | 1 <br> 2 If No, go to T8 | T1 |
| Do you currently smoke tobacco products daily? <br> This question is only for current smokers of tobacco products. | Yes <br> No | $2$ | T2 |
| How old were you when you first started smoking? <br> For current smokers only. Ask the participant to think of the time when he/she started to smoke any tobacco products. | Age (years) <br> Don't know 77 | If Known, go to T5a/T5aw | T3 |
| Do you remember how long ago it was? <br> (RECORD ONLY 1, NOT ALL 3) <br> Don't know 77 <br> If the participant doesn't remember his/her age when started smoking, then record the time in years, months or weeks as appropriate. | In Years |  | T4a |
|  | OR in Months |  | T4b |
|  | OR in Weeks | - | T4c |
| On average, how many of the following products do you smoke each day/week? <br> (IF LESS THAN DAILY, RECORD WEEKLY) <br> (RECORD FOR EACH TYPE, USE SHOWCARD) <br> Don't Know 7777 <br> For current smokers only. <br> Specify zero if no products were used in each category instead of leaving categories blank. <br> Record daily consumption for daily smokers. If products are smoked less than daily by daily smokers, enter weekly consumption. Also enter weekly consumption for current, non-daily smokers. | DAILY $\downarrow$ WEEKLY $\downarrow$ |  |  |
|  | Manufactured cigarettes |  | T5a/T5aw |
|  | Hand-rolled cigarettes |  | T5b/T5bw |
|  | Pipes full of tobacco |  | T5c/T5cw |
|  | Cigars, cheroots, cigarillos | $\square \quad \mid$ | T5d/T5dw |
|  | Number of Shisha sessions |  | T5e/T5ew |
|  | Other |  <br> If Other, go to T5other, else go to T6 | T5f/T5fw |
|  | Other (please specify): | - | T5other/ T5otherw |
| During the past 12 months, have you tried to stop smoking? <br> For current smokers only. Ask the participant to think of any quit attempt during the past 12 months. |  | 1 2 | T6 |
| During any visit to a doctor or other health worker in the past 12 months, were you advised to quit smoking tobacco? |  | 1 Go to next section <br> 2 Go to next section | T7 |


| For current smokers only. Ask the participant to think of <br> visits to a doctor or other health worker during the past 12 <br> months. If no visit, select "no visit during the past 12 <br> months". | No visit during the past 12 |
| :--- | :---: | :---: | :---: |
| months |  |$\quad 3 \quad$ Go to next section |  |
| :--- |
| In the past, did you ever smoke any tobacco products? <br> (USE SHOWCARD) <br> Ask the participant to think of the time when he/she may <br> have been smoking tobacco products. |
| In the past, did you ever smoke daily? <br> Ask the participant to think of the time when he/she may <br> have been smoking tobacco products on a daily basis. |


| CORE: Alcohol Consumption |  |  |  |
| :---: | :---: | :---: | :---: |
| The next questions ask about the consumption of alcohol. |  |  |  |
| Question | Response |  | Code |
| Have you ever consumed any alcohol such as beer, wine, spirits or fermented cider? <br> (USE SHOWCARD OR SHOW EXAMPLES) <br> Ask the participant to think of any drinks that contain alcohol, with the exception of alcohol-based medication that is taken due to health reasons. |  | 1 <br> 2 If No, go to A16 | A1 |
| Have you consumed any alcohol within the past 12 months? <br> Ask the participant to think of any drinks that contain alcohol, with the exception of alcohol-based medication that is taken due to health reasons. |  | 1 If Yes, go to A4 <br> 2 | A2 |
| Have you stopped drinking due to health reasons, such as a negative impact on your health or on the advice of your doctor or other health worker? <br> This question is for those participants that did not drink during the past 12 months, but that have drunk in their lifetime. |  | 1 If Yes, go to A16 <br> 2 If No, go to A16 | A3 |
| During the past 12 months, how frequently have you had at least one standard alcoholic drink? <br> (READ RESPONSES, USE SHOWCARD) <br> For those that have consumed alcohol in the past 12 months. A "standard drink" is the amount of ethanol contained in standard glasses of beer, wine, fortified wine such as sherry, and spirits. Depending on the country, these amounts will vary between 8 and 13 grams of ethanol. See showcard. | Daily <br> 5-6 days per week <br> 3-4 days per week <br> 1-2 days per week <br> $1-3$ days per month <br> Less than once a month | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 4 \\ & 5 \\ & 6 \end{aligned}$ | A4 |
| Have you consumed any alcohol within the past 30 days? <br> Select the appropriate response. |  | 1 <br> 2 If No, go to A13 | A5 |
| During the past 30 days, on how many occasions did you have at least one standard alcoholic drink? <br> Ask the participant to think of the past 30 days only. Record the number of occasions. Note that there can be more than one occasion in which alcohol is consumed in a given day. | Numbe <br> Don't know 77 |  | A6 |
| During the past 30 days, when you drank alcohol, how many standard drinks on average did you have during one drinking occasion? <br> (USE SHOWCARD) | Numbe <br> Don't know 77 |  | A7 |



## CORE: Diet

The next questions ask about the fruits and vegetables that you usually eat. I have a nutrition card here that shows you some examples of local fruits and vegetables. Each picture represents the size of a serving. As you answer these questions please think of a typical week in the last year.

| Question | Response |  |  | Code |
| :---: | :---: | :---: | :---: | :---: |
| In a typical week, on how many days do you eat fruit? <br> (USE SHOWCARD) <br> Think of any fruit on the show card. A typical week means a "normal" week when your diet is not affected by cultural, religious, or other events. Do not report an average over a period. | Number of days Don't Know 77 |  | If Zero days, go to D3 | D1 |
| How many servings of fruit do you eat on one of those days? (USE SHOWCARD) <br> Think of one day the participant can recall easily. | Number of servings Don't Know 77 |  |  | D2 |
| In a typical week, on how many days do you vegetables? (USE SHOWCARD) <br> Think of any vegetable on the show card. A typical week means a "normal" week when your diet is not affected by cultural, religious, or other events. Do not report an average over a period. | Number of days Don't Know 77 |  | If Zero days, go to D5 | D3 |
| How many servings of vegetables do you eat on one of those days? (USE SHOWCARD) <br> Think of one day the participant can recall easily. | Number of servings Don't know 77 |  |  | D4 |

## CORE: Dietary salt

The next questions ask about your knowledge, attitudes and behaviour towards dietary salt. Dietary salt includes ordinary table salt, unrefined salt such as sea salt, iodized salt and salty sauces such as soya sauce or fish sauce (see showcard). The following questions are on adding salt to the food right before you eat it, on how food is prepared in your home, on eating processed foods that are high in salt such as [insert country specific examples], and questions on controlling your salt intake. Please answer the questions even if you consider yourself to eat a diet low in salt.

| Question | Response |  | Code |
| :---: | :---: | :---: | :---: |
| How often do you add salt to your food before you eat it or as you are eating it? <br> (SELECT ONLY ONE) <br> (USE SHOWCARD) <br> Record the appropriate response | Always Often Sometimes Rarely Never Don't know | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 4 \\ & 5 \end{aligned}$ | D5 |
| How often is salt added in cooking or preparing foods in your household? <br> Record the appropriate response | Always Often Sometimes Rarely Never Don't know | $\begin{aligned} & \hline 1 \\ & 2 \\ & 3 \\ & 4 \\ & 5 \\ & 77 \end{aligned}$ | D6 |


| How often do you eat processed food high in salt, such as corn beef, sausages, and chips, salted, cured or smoked meats? <br> Record the appropriate response <br> (USE SHOWCARD) | Always <br> Often <br> Sometimes <br> Rarely <br> Never <br> Don't know | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 4 \\ & 5 \\ & 77 \end{aligned}$ | D7 |
| :---: | :---: | :---: | :---: |
| How much salt do you think you consume? <br> Record the appropriate response | Far too much <br> Too much <br> Just the right amount <br> Too little <br> Far too little <br> Don't know | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 4 \\ & 5 \\ & 77 \end{aligned}$ | D8 |
| How important to you is lowering the salt in your diet? <br> Record the appropriate response | Very important <br> Somewhat important <br> Not at all important <br> Don't know | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 77 \end{aligned}$ | D9 |
| Do you think that too much salt in your diet could cause a serious health problem? <br> Record the appropriate response | Yes No Don't know | $\begin{aligned} & 1 \\ & 2 \\ & 77 \end{aligned}$ | D10 |


| CORE: Dietary salt, Continued |  |  |  |
| :---: | :---: | :---: | :---: |
| Question | Response |  | Code |
| Do you do anything of the following on a regular basis to control your salt intake? (RECORD FOR EACH) Record the appropriate response for each of the following. |  |  |  |
| Limit consumption of processed foods | $\begin{gathered} \hline \text { Yes } \\ \text { No } \end{gathered}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | D11a |
| Look at the salt or sodium labels on food | $\begin{aligned} & \text { Yes } \\ & \text { No } \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | D11b |
| Buy low salt/sodium alternatives | $\begin{gathered} \text { Yes } \\ \text { No } \end{gathered}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | D11c |
| Use spices other than salt when cooking | $\begin{gathered} \text { Yes } \\ \text { No } \end{gathered}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | D11d |
| Avoid eating foods processed outside of home | $\begin{gathered} \hline \text { Yes } \\ \text { No } \end{gathered}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | D11e |
| Do other things specifically to reduce salt intake | $\begin{gathered} \hline \text { Yes } \\ \text { No } \end{gathered}$ | 1 If Yes, go to S7other 2 | D11f |
| Other (please specify) | L |  | D11other |

## EXPANDED: Diet

Vegetable oil 1

| (USE SHOWCARD) <br> (SELECT ONLY ONE) <br> Record the appropriate response. | Butter or ghee 3  <br> Margarine 4  <br> Other 5 If Other, go to D5 other <br> None in particular 6  <br> None used 7  <br> Don't know 77  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Other | $\square$ | $1 \quad 1$ | D120ther |
| On average, how many meals per week do you eat that were not prepared at a home? By meal, I mean breakfast, lunch and dinner. <br> Record the number of meals. | Number <br> Don't know 77 $\qquad$ |  |  | D13 |
| In a typical week, on how many days do you eat fried foods and/or fast foods, such as (fried chicken, chips, fish and chips, Chinese food, pizza, burgers)? <br> Record the number of days | Number <br> Don't know 77 |  |  | X1 |
| How many times on one of those days do you eat fried foods and/or fast foods? <br> Record the number of times | Number of days Don't Know 77 | $\square$ | If Zero days, go to X3 | X2 |
| Do you eat more red meats, such as (beef, pork, lamb, wild meats) and organ meats, such as (liver, giblets, and kidney) than white meats such as (fish, chicken, turkey). <br> Record the appropriate response. | Yes <br> No |  |  | X3 |
| In a typical week, how often you consume sugar-containing snacks, such as (cookies, candies, chocolate, pastries, cakes, fruits canned with sugar) or other servings of at least one tablespoon of sugar or honey (in cereal, porridge, coffee, juices and drinks)? <br> Record the appropriate response. | Almost daily | 1 |  | X4 |
|  | About 2-3 times a week | 2 |  |  |
|  | About once a week | 3 |  |  |
|  | More than once per day | 4 |  |  |
|  | Never/rarely | 5 |  |  |
| In a typical week, how often do you consume soft drinks that contain sugar (not artificially-sweetened)? <br> Record the appropriate response. | More than 4 drinks each day | 1 |  | X5 |
|  | 1-4 drinks each day | 2 |  |  |
|  | 2-6 drinks each week | 3 |  |  |
|  | About 1 drink a week | 4 |  |  |
|  | Never/ rarely | 5 |  |  |

## ACCESS TO INFORMATION: Diet

| Were you ever provided with information on healthy <br> eating habits and meal preparation? <br> Record the appropriate response. | Yes | 1 | X6 |  |
| :--- | :--- | ---: | :--- | :--- |
|  |  | No | 2 If No, go to P1 |  |
|  |  | Health centre | 1 | X7 |


| Where were you provided with information of healthy <br> eating and meal preparation <br> Record the appropriate response. | Health post | 2 |  |
| :--- | :--- | ---: | ---: |
|  | Hospital | 3 |  |
|  |  | Health fair | $\mathbf{4}$ |
|  | Workplace talk | 5 |  |
|  |  | Community/village talk | 6 |
|  | Television | 7 |  |
|  | Radion | 8 |  |

## CORE: Physical Activity

Next I am going to ask you about the time you spend doing different types of physical activity in a typical week. Please answer these questions even if you do not consider yourself to be a physically active person.
Think first about the time you spend doing work. Think of work as the things that you have to do such as paid or unpaid work, study/training, household chores, harvesting food/crops, fishing or hunting for food, seeking employment. In answering the following questions 'vigorousintensity activities' are activities that require hard physical effort and cause large increases in breathing or heart rate, 'moderate-intensity activities' are activities that require moderate physical effort and cause small increases in breathing or heart rate.

| Question | Response |  | Code |
| :---: | :---: | :---: | :---: |
| Work |  |  |  |
| Does your work involve vigorous-intensity activity that causes large increases in breathing or heart rate like [carrying or lifting heavy loads, digging or construction work] for at least 10 minutes continuously? <br> (USE SHOWCARD) <br> Activities are regarded as vigorous intensity if they cause a large increase in breathing and/or heart rate | Yes <br> No | $2 \text { If No, go to P } 4$ | P1 |
| In a typical week, on how many days do you do vigorousintensity activities as part of your work? <br> "Typical week" means a week when a person is doing vigorous intensity activities and not an average over a period. Valid responses range from 1-7. | Number of days | L-1 | P2 |
| How much time do you spend doing vigorous-intensity activities at work on a typical day? <br> Think of one day you can recall easily. Consider only those activities undertaken continuously for 10 minutes or more. Probe very high responses (over 4 hrs) to verify. | Hours : minutes |  | $\begin{gathered} \text { P3 } \\ (a-b) \end{gathered}$ |
| Does your work involve moderate-intensity activity, that causes small increases in breathing or heart rate such as | Yes | 1 | P4 |



## CORE: Physical Activity, Continued

| Question | Response | Code |
| :--- | :--- | :--- |
| Recreational activities |  |  |

The next questions exclude the work and transport activities that you have already mentioned.
Now I would like to ask you about sports, fitness and recreational activities (leisure),
This introductory statement directs the participant to think about recreational activities. This can also be called discretionary or leisure time. It includes sports and exercise but is not limited to participation competitions. Activities reported should be done regularly and not just occasionally. It is important to focus on only recreational activities and not to include any activities already mentioned. This statement should not be omitted.

| Do you do any vigorous-intensity sports, fitness or <br> recreational (leisure) activities that cause large increases in <br> breathing or heart rate like [running or football, cricket, lawn <br> tennis, table tennis, rugby] for at least 10 minutes <br> continuously? | Yes | 1 |  |  |
| :--- | :--- | :--- | :--- | :--- |
| (USE SHOWCARD) <br> Activities are regarded as vigorous intensity if thev cause a | No 2 If No, go to P 13 |  |  |  |


| In a typical week, on how many days do you do vigorousintensity sports, fitness or recreational (leisure) activities? <br> Valid responses range from 1-7. | Number of days | L. | P11 |
| :---: | :---: | :---: | :---: |
| How much time do you spend doing vigorous-intensity sports, fitness or recreational activities on a typical day? <br> Think of one day you can recall easily. Consider the total amount of time doing vigorous recreational activities for periods of 10 minutes or more. Probe very high responses (over 4 hrs). | Hours : minutes |  | $\begin{aligned} & \text { P12 } \\ & (\mathrm{a}-\mathrm{b}) \end{aligned}$ |
| Do you do any moderate-intensity sports, fitness or recreational (leisure) activities that cause a small increase in breathing or heart rate such as brisk walking, [cycling, swimming, volleyball] for at least 10 minutes continuously? <br> (USE SHOWCARD) <br> Activities are regarded as moderate intensity if they cause a small increase in breathing and/or heart rate. | Yes <br> No | $1$ $2 \text { If No, go to P16 }$ | P13 |
| In a typical week, on how many days do you do moderateintensity sports, fitness or recreational (leisure) activities? <br> Valid responses range from 1-7 | Number of days |  | P14 |
| How much time do you spend doing moderate-intensity sports, fitness or recreational (leisure) activities on a typical day? <br> Think of one day you can recall easily. Consider the total amount of time doing moderate recreational activities for periods of 10 minutes or more. Probe very high responses (over 4 hrs). | Hours : minutes |  | $\begin{aligned} & \text { P15 } \\ & (\mathrm{a}-\mathrm{b}) \end{aligned}$ |

## EXPANDED: Physical Activity

## Sedentary behaviour

The following question is about sitting or reclining at work, at home, getting to and from places, or with friends including time spent sitting at a desk, sitting with friends, traveling in car, bus, reading, playing cards or watching television, but do not include time spent sleeping.
(USE SHOWCARD)

| How much time do you usually spend sitting or reclining |
| :--- | :--- | :--- | :--- | :--- |
| on a typical day? |
| Consider total time spent at work sitting, in an office, |
| reading, watching television, using a computer, doing |
| hand craft like knitting, resting etc. Do not include time |
| spent sleeping. |$\quad$ Hours : minutes $\quad$ P16

## ACCESS TO INFORMATION: Physical Activity

| 75 | Were you ever provided with information on physical activity/ exercise? <br> Record the appropriate response. | Yes | 1 | X8 |
| :---: | :---: | :---: | :---: | :---: |
|  |  | No | 2 If No , go to H 1 |  |
| 76 | Where were you provided with information physical activity/ exercise? <br> Record the appropriate response. | Health centre | 1 | X9 |
|  |  | Health post | 2 |  |
|  |  | Hospital | 3 |  |
|  |  | Health fair | 4 |  |
|  |  | Workplace talk | 5 |  |
|  |  | Community/village talk | 6 |  |
|  |  | Television | 7 |  |
|  |  | Radion | 8 |  |
|  |  | other | 9 |  |
|  |  | Refused | 88 |  |

## CORE: History of Raised Blood Pressure



| Are you currently taking any herbal or traditional remedy for your <br> raised blood pressure? <br> Select the appropriate response. | Yes 1 |
| :--- | :---: | :---: |
| No 2 |  | H5

## ACCESS TO INFORMATION: Raised Blood Pressure

| Were you ever provided with information on prevention of raised blood pressure? | Yes | 1 | X10 |
| :---: | :---: | :---: | :---: |
| raised blood pressure? <br> Record the appropriate response. | No | 2 If No, go to H6 |  |
| Where were you provided with information prevention of raised blood pressure? <br> Record the appropriate response. | Health centre | 1 | X11 |
|  | Health post | 2 |  |
|  | Hospital | 3 |  |
|  | Health fair | 4 |  |
|  | Workplace talk | 5 |  |
|  | Community/village talk | 6 |  |
|  | Television | 7 |  |
|  | Radion | 8 |  |
|  | other | 9 |  |
|  | Refused | 88 |  |


| CORE: History of Diabetes |  |  |  |
| :---: | :---: | :---: | :---: |
| Question | Resp | onse | Code |
| Have you ever had your blood sugar measured by a doctor or other health worker? <br> Ask the participant to only consider measurements done by a doctor or other health worker. | Yes <br> No | 2 If No, go to H12 | H6 |
| Have you ever been told by a doctor or other health worker that you have raised blood sugar or diabetes? <br> Select the appropriate response. | $\begin{aligned} & \text { Yes } \\ & \text { No } \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \text { If No, go to H12 } \\ & \hline \end{aligned}$ | H7a |
| Have you been told in the past 12 months? <br> Only for those that have previously been diagnosed with diabetes. | $\begin{aligned} & \text { Yes } \\ & \text { No } \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | H7b |
| In the past two weeks, have you taken any drugs (medication) for diabetes prescribed by a doctor or other health worker? <br> Ask the participant to only consider drugs for diabetes prescribed by a doctor or other health worker. | $\begin{aligned} & \text { Yes } \\ & \text { No } \end{aligned}$ | 1 2 | H8 |
| Are you currently taking insulin for diabetes prescribed by a doctor or other health worker? <br> Ask the participant to only consider insulin that was prescribed by a doctor or other health worker. | $\begin{aligned} & \text { Yes } \\ & \text { No } \end{aligned}$ | 1 2 | H9 |
| Have you ever seen a traditional healer for diabetes or raised blood sugar? <br> Select the appropriate response. | $\begin{aligned} & \text { Yes } \\ & \text { No } \end{aligned}$ | $\begin{aligned} & 1 \\ & 2 \end{aligned}$ | H10 |
| Are you currently taking any herbal or traditional remedy for your diabetes? <br> Select the appropriate response. |  |  | H11 |



| CORE: History of Raised Total Cholesterol |  |  |  |
| :---: | :---: | :---: | :---: |
| Questions | Response |  | Code |
| Have you ever had your cholesterol (fat levels in your blood) measured by a doctor or other health worker? <br> Ask the participant to only consider measurements done by a doctor or other health worker. | Yes <br> No | If No, go to H17 | H12 |
| Have you ever been told by a doctor or other health worker that you have raised cholesterol? <br> Select the appropriate response. | $\begin{aligned} & \text { Yes } \\ & \text { No } \end{aligned}$ | If No, go to H17 | H13a |
| Have you been told in the past 12 months? <br> Only for those that have previously been diagnosed with raised total cholesterol. | $\begin{aligned} & \text { Yes } \\ & \text { No } \end{aligned}$ |  | H13b |
| In the past two weeks, have you taken any oral treatment (medication) for raised total cholesterol prescribed by a doctor or other health worker? <br> Ask the participant to only consider drugs for raised total cholesterol prescribed by a doctor or other health worker. | Yes <br> № |  | H14 |
| Have you ever seen a traditional healer for raised cholesterol? Select the appropriate response. | $\begin{aligned} & \text { Yes } \\ & \text { No } \end{aligned}$ |  | H15 |
| Are you currently taking any herbal or traditional remedy for your raised cholesterol? <br> Select the appropriate response. | Yes <br> No |  | H16 |


| CORE: History of Cardiovascular Diseases |  |  |  | Response | Code |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Question | Yes 1 | H17 |  |  |  |
| Have you ever had a heart attack or chest pain from heart <br> disease (angina) or a stroke (cerebrovascular accident or <br> incident)? <br> Select the appropriate response. | No 2 |  |  |  |  |

```
Yes 1
"Regularly" means on a daily or almost daily basis.

\section*{ACCESS TO INFORMATION: Raised Total Cholesterol}
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{101} & \multirow[t]{2}{*}{\begin{tabular}{l}
Were you ever provided with information on prevention of raised total cholesterol? \\
Record the appropriate response.
\end{tabular}} & Yes & 1 & \multirow[t]{2}{*}{X14} \\
\hline & & No & 2 If No, go to F1a & \\
\hline \multirow{10}{*}{102} & \multirow[t]{10}{*}{\begin{tabular}{l}
Where were you provided with information prevention of raised total cholesterol? \\
Record the appropriate response.
\end{tabular}} & Health centre & 1 & \multirow[t]{10}{*}{X15} \\
\hline & & Health post & 2 & \\
\hline & & Hospital & 3 & \\
\hline & & Health fair & 4 & \\
\hline & & Workplace talk & 5 & \\
\hline & & Community/village talk & 6 & \\
\hline & & Television & 7 & \\
\hline & & Radion & 8 & \\
\hline & & other & 9 & \\
\hline & & Refused & 88 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{CORE: Lifestyle Advice} \\
\hline Questions & \multicolumn{2}{|l|}{Response} & Code \\
\hline \multicolumn{4}{|l|}{\begin{tabular}{l}
During the past three years, has a doctor or other health worker advised you to do any of the following? (RECORD FOR EACH) \\
Select the appropriate response. Ask the participant to only consider advice from a doctor or other health worker.
\end{tabular}} \\
\hline Quit using tobacco or don't start & \[
\begin{aligned}
& \text { Yes } \\
& \text { No } \\
& \hline
\end{aligned}
\] & \[
2
\] & H20a \\
\hline Reduce salt in your diet & \begin{tabular}{l}
Yes \\
No
\end{tabular} & \[
1
\] & H20b \\
\hline Eat at least five servings of fruit and/or vegetables each day & \begin{tabular}{l}
Yes \\
No
\end{tabular} & \[
1
\] & H20c \\
\hline Reduce fat in your diet & \begin{tabular}{l}
Yes \\
No
\end{tabular} & \[
2
\] & H20d \\
\hline Start or do more physical activity & \begin{tabular}{l}
Yes \\
No
\end{tabular} & \[
2
\] & H20e \\
\hline Maintain a healthy body weight or lose weight & \begin{tabular}{l}
Yes \\
No
\end{tabular} & \[
\begin{array}{ll}
\hline 1 & \text { If } C 1=1 \text { go to } \mathrm{M} 1 \\
2 & \text { If C1=1 go to } \mathrm{M} 1 \\
\hline
\end{array}
\] & H2Of \\
\hline
\end{tabular}

\section*{CORE (for women only): Cervical Cancer Screening}

The next question asks about cervical cancer prevention. Screening tests for cervical cancer prevention can be done in different ways, including Visual Inspection with Acetic Acid/vinegar (VIA), pap smear and Human Papillomavirus (HPV) test. VIA is an inspection of the
surface of the uterine cervix after acetic acid (or vinegar) has been applied to it. For both pap smear and HPV test, a doctor or nurse uses a swab to wipe from inside your vagina, take a sample and send it to a laboratory. It is even possible that you were given the swab yourself and asked to swab the inside of your vagina. The laboratory checks for abnormal cell changes if a pap smear is done, and for the HP virus if an HPV test is done.
Read this opening statement out loud. It should not be omitted.
\(\left.\begin{array}{|l|c|c|}\hline \text { Question } & \text { Response } & \text { Code } \\
\hline \begin{array}{l}\text { Have you ever had a screening test for cervical cancer, using } \\
\text { any of these methods described above? } \\
\text { Select the appropriate response. }\end{array} & \text { Yes } 1 \\
\text { No } 2\end{array}\right]\) CX1 \(\quad\) Don't know 77 \begin{tabular}{l} 
\\
\hline
\end{tabular}

\section*{Step 1 Optional modules}
\begin{tabular}{|c|c|c|c|}
\hline Section: Health Screening & \multicolumn{2}{|r|}{Response} & Code \\
\hline \begin{tabular}{l}
Have you ever had your feces examined to look for hidden blood? \\
Record the appropriate response
\end{tabular} & \begin{tabular}{l}
Yes \\
No
\end{tabular} & & S1 \\
\hline \begin{tabular}{l}
Have you ever had a colonoscopy? \\
Record the appropriate response
\end{tabular} & Yes No & \[
\begin{aligned}
& 1 \\
& 2
\end{aligned}
\] & S2 \\
\hline \begin{tabular}{l}
This question is for men only: \\
Have you ever had an examination of your prostate? \\
Record the appropriate response
\end{tabular} & \begin{tabular}{l}
Yes \\
No
\end{tabular} & 2 & S3 \\
\hline \begin{tabular}{l}
The following questions are for women only: \\
Have you been shown how to examine your breasts? \\
Record the appropriate response
\end{tabular} & \begin{tabular}{l}
Yes \\
No
\end{tabular} & 1
2 & S4 \\
\hline \begin{tabular}{l}
When was the last time you had an examination of your breasts? \\
Record the appropriate response
\end{tabular} & \begin{tabular}{l}
1 year or less \\
Between 1 and 2 years \\
More than 2 years \\
Never \\
Don't know
\end{tabular} & \[
\begin{aligned}
& 1 \\
& 2 \\
& 3 \\
& 4 \\
& 77
\end{aligned}
\] & S5 \\
\hline When was the last time you had a mammogram? Record the appropriate response & \begin{tabular}{l}
1 year or less \\
Between 1 and 2 years \\
More than 2 years \\
Never \\
Don't know
\end{tabular} & \[
\begin{aligned}
& 1 \\
& 2 \\
& 3 \\
& 4 \\
& 77
\end{aligned}
\] & S6 \\
\hline \begin{tabular}{l}
When was the last time you had a Pap test or VIA? \\
Record the appropriate response
\end{tabular} & \begin{tabular}{l}
1 year or less \\
Between 1 and 2 years \\
More than 2 years \\
Never \\
Don't know
\end{tabular} & \[
\begin{aligned}
& 1 \\
& 2 \\
& 3 \\
& 4 \\
& 77
\end{aligned}
\] & S7 \\
\hline
\end{tabular}

The next questions are about different experiences and behaviours that are related to road traffic injuries.
\begin{tabular}{|c|c|c|}
\hline Core Questions & Response & Code \\
\hline In the past 30 days, how often did you use a seat belt when you were the driver or passenger of a motor vehicle? Record the appropriate response & \begin{tabular}{rr} 
All of the time & 1 \\
Sometimes & 2 \\
Never & 3 \\
Have not been in a vehicle in past & 4 \\
30 days & 4 \\
No seat belt in the car I usually drive & 5 \\
Don't Know & 7 \\
Refused & 8
\end{tabular} & V1 \\
\hline \begin{tabular}{l}
In the past 30 days, how often did you wear a helmet when you drove or rode as a passenger on a motorcycle or motor-scooter? \\
Record the appropriate response
\end{tabular} & \begin{tabular}{rr} 
All of the time & 1 \\
Sometimes & 2 \\
Never & 3 \\
Have not been on a motorcycle or & 4 \\
motor-scooter in past 30 days \\
Do not have a helmet & 5 \\
Don't Know & 7 \\
Refused & 8
\end{tabular} & V2 \\
\hline In the past 12 months, have you been involved in a road traffic crash as a passenger, driver or pedestrian? Record the appropriate response & \begin{tabular}{rlll} 
Yes (as driver) & 1 & \\
Yes (as passenger) & 2 & \\
Yes (as pedestrian) & 3 & \\
No & 4 & Go to V5 \\
Don't know & 7 & Go to V5 \\
Refused & 8 & Go to V5
\end{tabular} & V3 \\
\hline \begin{tabular}{l}
Did you have any injuries in this road traffic crash which required medical attention? \\
Record the appropriate response
\end{tabular} & \begin{tabular}{rr} 
Yes & 1 \\
No & 2 \\
Don't know & 7 \\
Refused & 8
\end{tabular} & V4 \\
\hline
\end{tabular}

The next questions ask about the most serious accidental injury you have had in the last twelve months
\begin{tabular}{|c|c|c|c|}
\hline \begin{tabular}{l}
In the past 12 months, were you injured accidentally, other than the road traffic crashes which required medical attention? \\
Record the appropriate response
\end{tabular} & Yes
No
Don't know
Refused & \[
\begin{array}{cc}
1 & \\
2 & \text { Go to V8 } \\
7 & \text { Go to V8 } \\
8 & \text { Go to V8 }
\end{array}
\] & V5 \\
\hline \begin{tabular}{l}
Please indicate which of the following was the cause of this injury? \\
Record the appropriate response
\end{tabular} & \begin{tabular}{l}
Fall \\
Burn \\
Poisoning \\
Near-drowning \\
Animal bite
\end{tabular} & \begin{tabular}{l}
1 \\
2 \\
3 \\
4 \\
5
\end{tabular} & V6 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{} & \begin{tabular}{l}
Other (specify) \\
Don't know \\
Refused
\end{tabular} & & \\
\hline & Other (please specify) & - & V60ther \\
\hline Core Questions & \multicolumn{2}{|c|}{Response} & Code \\
\hline \multirow[t]{2}{*}{Where were you when you had this injury? Record the appropriate response} & \multicolumn{2}{|l|}{\begin{tabular}{rl} 
Home & 1 \\
School & 2 \\
Workplace & 3 \\
Road/Street/Highway & 4 \\
Farm & 5 \\
Sports/athletic area & 6 \\
Other (specify) & 66 \\
Don't know & 77 \\
Refused & 88
\end{tabular}} & V7 \\
\hline & \multicolumn{2}{|l|}{Other (please specify)} & V7other \\
\hline \multicolumn{4}{|l|}{EXPANDED: Unintentional Injury} \\
\hline \multicolumn{4}{|l|}{The next questions ask about behaviours related to your safety and whether or not you drink alcohol while driving or being a passenger.} \\
\hline \begin{tabular}{l}
In the past 30 days how often did you wear a helmet when you rode a bicycle or pedal cycle? \\
Record the appropriate response
\end{tabular} & Always
Sometimes
Never
Did not ride in the past 30 days
Don't Know
Refused & \[
\begin{aligned}
& \hline 1 \\
& 2 \\
& 3 \\
& 4 \\
& 7 \\
& 8
\end{aligned}
\] & V8 \\
\hline \begin{tabular}{l}
In the past 30 days, how many times have you driven a motorized vehicle when you have had 2 or more alcoholic drinks? \\
Record the number of times \\
USE SHOW CARDS
\end{tabular} & \begin{tabular}{l}
Number of times \\
Don't Know \\
Refused
\end{tabular} & \begin{tabular}{l}
77 \\
88
\end{tabular} & V9 \\
\hline \begin{tabular}{l}
In the past 30 days, how many times have you ridden in a motorized vehicle where the driver has had 2 or more alcoholic drinks? \\
Record the number of times \\
USE SHOW CARDS
\end{tabular} & \begin{tabular}{l}
Number of times \\
Don't Know Refused
\end{tabular} &  & V10 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{The following questions are about different experiences and behaviours that are related to violence.} \\
\hline Core Questions & & nse & Code \\
\hline \begin{tabular}{l}
In the past 12 months, how many times were you in a violent incident in which you were injured and required medical attention? \\
Record the appropriate response
\end{tabular} & \begin{tabular}{l}
Rarely ( \(1-2\) times) \\
Sometimes ( \(3-5\) times) Often (6 or more times) \\
Don't kno \\
Refuse
\end{tabular} & \begin{tabular}{ll}
1 & Go to V14 \\
2 & \\
3 & \\
4 & \\
7 & Go to V14 \\
8 & Go to V14
\end{tabular} & V11 \\
\hline \multicolumn{4}{|l|}{The next questions ask about the most serious violent incidence you have had in the last twelve months.} \\
\hline \begin{tabular}{l}
Please indicate which of the following caused your most serious injury in the last 12 months? \\
USE SHOW CARDS \\
Record the appropriate response
\end{tabular} & \begin{tabular}{l}
Being shot with a firearm \\
A weapon (other than a firearm) was used by the person who injured me \\
Being injured without any weapon \\
(slapped, pushed...) \\
Don't know \\
Refused
\end{tabular} & \[
\begin{aligned}
& 1 \\
& 2 \\
& 3 \\
& 7 \\
& 8
\end{aligned}
\] & V12 \\
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
Please indicate the relationship between yourself and the person(s) who caused your injury. \\
Record the appropriate response
\end{tabular}} &  & \[
\begin{aligned}
& \hline 1 \\
& 2 \\
& 3 \\
& 4 \\
& 5 \\
& 6 \\
& 7 \\
& 66 \\
& 6
\end{aligned}
\] & V13 \\
\hline & Other (please specify) & L & V130ther \\
\hline \begin{tabular}{l}
Looking back on your childhood (before age 18 years), did a parent or adult in the household ever push, grab, shove, slap, hit, burn, or throw something at you? \\
Record the appropriate response
\end{tabular} & \begin{tabular}{l}
Never \\
Very rare Once a mont Once a week Almost dail Don't kno Refuse
\end{tabular} & \[
\begin{aligned}
& \hline 1 \\
& 2 \\
& 3 \\
& 4 \\
& 5 \\
& 7 \\
& \hline
\end{aligned}
\] & V14 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{3}{*}{Looking back on your childhood, did an adult or anyone at least five years older than you ever touch you sexually or try to make you touch them sexually or force you to have sex?} & Yes & 1 & \multirow{3}{*}{V15} \\
\hline & No & 2 & \\
\hline & Refused & 88 & \\
\hline \multirow[t]{3}{*}{Since your 18th birthday, have you ever experienced a sex act involving either vaginal, oral, or anal penetration against your will?} & Never & 1 & \multirow{3}{*}{V16} \\
\hline & Once & 2 & \\
\hline & A few times (2 to 3 times) & 3 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{EXPANDED: Violence} \\
\hline \multicolumn{3}{|l|}{The next questions ask about behaviours related to your safety.} \\
\hline Question & Response & Code \\
\hline In the past 12 months, have you been frightened for the safety of yourself or your family because of the anger or threats of another person(s)? & \begin{tabular}{rll} 
Yes & 1 & \\
No & 2 & If no, go to V19 \\
Refused & 88 & If refused, go to V19
\end{tabular} & V17 \\
\hline \multirow[t]{2}{*}{Please specify of whom you were most often frightened.} & \begin{tabular}{rl} 
Intimate partner & 1 \\
Parent & 2 \\
Child, sibling, or other relative & 3 \\
Friend or acquaintance & 4 \\
Unrelated caregiver & 5 \\
Stranger & 6 \\
Official or legal authority & 7 \\
Other (specify) & 8 \\
Refused & 88
\end{tabular} & V18 \\
\hline & Other (please specify) & V180ther \\
\hline Have you carried a loaded firearm on your person outside the home in the last 30 days? & \begin{tabular}{rl} 
No & 1 \\
Yes, for protection & 2 \\
Yes, for work & 3 \\
Yes, for sport (e.g. hunting target & 4 \\
practice) & 4 \\
Refused & 88
\end{tabular} & V19 \\
\hline
\end{tabular}

\section*{Mental health / Suicide}

The next questions ask about thoughts, plans, and attempts of suicide. Please answer the questions even if no one usually talks about these issues.
\begin{tabular}{|c|c|c|c|}
\hline Question & \multicolumn{2}{|l|}{Response} & Code \\
\hline During the past 12 months, have you seriously considered attempting suicide? &  & \[
\begin{array}{ll}
\hline 1 \\
2 & \text { If } \mathrm{No}, \text { go to } \mathrm{MH} 3 \\
88
\end{array}
\] & MH1 \\
\hline Did you seek professional help for these thoughts? &  & \[
\begin{aligned}
& 1 \\
& 2 \\
& 88
\end{aligned}
\] & MH2 \\
\hline During the past 12 months, have you made a plan about how you would attempt suicide? &  & \[
\begin{aligned}
& \hline 1 \\
& 2 \\
& 88 \\
& \hline
\end{aligned}
\] & MH3 \\
\hline Have you ever attempted suicide? &  & \[
\begin{array}{ll}
\hline 1 & \\
2 & \text { If No, go to MH9 } \\
88
\end{array}
\] & MH4 \\
\hline During the past 12 months, have you attempted suicide &  & \[
\begin{aligned}
& \hline 1 \\
& 2 \\
& 88
\end{aligned}
\] & MH5 \\
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
What was the main method you used the last time you attempted suicide? \\
(SELECT ONLY ONE)
\end{tabular}} & \multicolumn{2}{|l|}{\begin{tabular}{rl} 
Razor, knife or other sharp instrument & 1 \\
\begin{tabular}{r} 
Overdose of medication (e. g. prescribed, over- \\
the-counter)
\end{tabular} & 2 \\
\begin{tabular}{r} 
Overdose of other substance (e.g. heroin, \\
crack, alcohol)
\end{tabular} & 3 \\
\begin{tabular}{r} 
Poisoning with pesticides (e.g. rat poison, \\
insecticide, weed-killer)
\end{tabular} & 4 \\
\begin{tabular}{r} 
Other poisoning (e.g. plant/seed, household \\
product)
\end{tabular} & 5 \\
Poisonous gases from charcoal & 6 \\
\begin{tabular}{r} 
Other \\
Refused
\end{tabular} & 78
\end{tabular} If Other, go to MH6other} & MH6 \\
\hline & Other (specify) & ¢ ل & MH6ot her \\
\hline Did you seek medical care for this attempt? &  & \[
\begin{array}{ll}
\hline 1 \\
2 & \\
88 & \text { If } N o, \text { go to } M H 9
\end{array}
\] & MH7 \\
\hline Were you admitted to hospital overnight because of this attempt? &  & \[
\begin{aligned}
& \hline 1 \\
& 2 \\
& 88
\end{aligned}
\] & MH8 \\
\hline Has anyone in your close family (mother, father, brother, sister or children) ever attempted suicide? & Yes
No & \[
\begin{aligned}
& 1 \\
& 2
\end{aligned}
\] & MH9 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & Refused & 88 & \\
\hline & Yes & 1 & \multirow{3}{*}{MH10} \\
\hline Has anyone in your close family (mother, father, brother, sister or children) ever died from suicide? & No & 2 & \\
\hline & Refused & 88 & \\
\hline
\end{tabular}

\section*{Step 2 Physical Measurements}

\section*{CORE: Blood Pressure}
\begin{tabular}{|c|c|c|}
\hline Interviewer ID &  & M1 \\
\hline Device ID for blood pressure & - & M2 \\
\hline Cuff size used & \begin{tabular}{rr} 
Small & 1 \\
Medium & 2 \\
Large & 3
\end{tabular} & M3 \\
\hline \multirow{2}{*}{Reading 1} & Systolic ( mmHg ) & M4a \\
\hline & Diastolic ( mmHg ) & M4b \\
\hline \multirow{2}{*}{Reading 2} & Systolic ( mmHg ) & M5a \\
\hline & Diastolic (mmHg) & M5b \\
\hline \multirow{2}{*}{Reading 3} & Systolic ( mmHg) & M6a \\
\hline & Diastolic ( mmHg ) & M6b \\
\hline During the past two weeks, have you been treated for raised blood pressure with drugs (medication) prescribed by a doctor or other health worker? & \[
\begin{array}{cc}
\text { Yes } & 1 \\
\text { No } & 2
\end{array}
\] & M7 \\
\hline \multicolumn{3}{|l|}{CORE: Height and Weight} \\
\hline Question & Response & Code \\
\hline For women: Are you pregnant? & \[
\begin{array}{ll}
\text { Yes } & 1 \text { If Yes, go to M } 16 \\
\text { No } & 2
\end{array}
\] & M8 \\
\hline Interviewer ID &  & M9 \\
\hline Device IDs for height and weight & Height
Weight
Lــــــــــا & \begin{tabular}{l}
M10a \\
M10b
\end{tabular} \\
\hline Height & in Centimetres (cm) & M11 \\
\hline Weight If too large for scale 666.6 & in Kilograms (kg) & M12 \\
\hline
\end{tabular}

CORE: Waist
\begin{tabular}{|c|c|c|c|}
\hline Device ID for waist & \multicolumn{2}{|r|}{\(\square\)} & M13 \\
\hline Waist circumference & in Centimetres (cm) & \(\xrightarrow[L]{\square}\) & M14 \\
\hline
\end{tabular}

Step 3 Biochemical Measurements

CORE: Blood Glucose
\begin{tabular}{|c|c|c|}
\hline Question & Response & Code \\
\hline \begin{tabular}{l}
During the past 12 hours have you had anything to eat or drink, other than water? \\
It is essential that the participant has fasted.
\end{tabular} & \[
\begin{array}{cl}
\text { Yes } & 1 \\
\text { No } & 2
\end{array}
\] & B1 \\
\hline \begin{tabular}{l}
Technician ID \\
Record ID of the person taking the measurement.
\end{tabular} & - & B2 \\
\hline \begin{tabular}{l}
Device ID \\
Record device ID.
\end{tabular} & \(\square\) & B3 \\
\hline Time of day blood specimen taken (24 hour clock) Enter time measurement started. & Hours : minutes \(\underset{\text { hrs }}{\square-} \underset{\text { mins }}{\square-}\) & B4 \\
\hline \begin{tabular}{l}
Fasting blood glucose \\
Double check that the participant has fasted.
\end{tabular} &  & B5 \\
\hline \begin{tabular}{l}
Today, have you taken insulin or other drugs (medication) that have been prescribed by a doctor or other health worker for raised blood glucose? \\
Select appropriate response.
\end{tabular} & \[
\begin{array}{ll}
\hline \text { Yes } & 1 \\
\text { No } & 2
\end{array}
\] & B6 \\
\hline
\end{tabular}

CORE: Blood Lipids
\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
Device ID \\
Record device ID
\end{tabular} & \(\square\) & B7 \\
\hline \begin{tabular}{l}
Total cholesterol \\
Record value for total cholesterol.
\end{tabular} & mg/dl \(L\) L & B8 \\
\hline \begin{tabular}{l}
During the past two weeks, have you been treated for raised cholesterol with drugs (medication) prescribed by a doctor or other health worker? \\
Select appropriate response.
\end{tabular} & \begin{tabular}{l}
Yes 1 \\
No 2
\end{tabular} & B9 \\
\hline
\end{tabular}

\section*{EXPANDED: Triglycerides and HDL Cholesterol}

\begin{tabular}{|l|lll|l|}
\hline \begin{tabular}{l} 
HDL Cholesterol \\
Record value for HDL cholesterol.
\end{tabular} & & & & \\
\hline
\end{tabular}

\section*{COUNTRY-SPECIFIC: LDL and VLDL}
\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
LDL \\
Record value for LDL.
\end{tabular} & mg/dl \(\quad\) - & LDL \\
\hline \begin{tabular}{l}
VLDL \\
Record value for HDL cholesterol.
\end{tabular} & mg/dl & VLDL \\
\hline
\end{tabular}

\section*{PAHO/WHO STEPS}

\section*{Noncommunicable Disease Risk Factor Surveillance}

\section*{DATA BOOK FOR}

\section*{GUYANA}

\section*{Table of Contents}
Table of Contents ..... 2
Demographic Information Results ..... 3
Tobacco Use ..... 10
Tobacco Policy ..... 20
Alcohol Consumption ..... 25
Fruit and Vegetable Consumption ..... 35
Physical Activity ..... 47
History of Raised Blood Pressure ..... 58
History of Diabetes ..... 61
History of Raised Total Cholesterol ..... 64
History of Cardiovascular Diseases ..... 67
Lifestyle Advice ..... 69
Cervical Cancer Screening ..... 71
Health Screening ..... 72
Violence and Injury ..... 74
Mental health / Suicide ..... 94
Physical Measurements Error! Bookmark not defined.
Biochemical Measurements ..... 111
Summary of Combined Risk Factors ..... 117

\section*{IMPORTANT:}
- You need to run the Epi Info programs AgeRange1869 and MissingAgeSex prior to running any of the programs in the data book. You should only need to run these programs one time. If age and/or sex can be entered for any records missing this information, then enter this missing information and run Rerun_AgeRange1869 followed by MissingAgeSex.
- ALL questions that report results by age and/or sex use the variables AgeRange, Sex, and Valid. These variables are created in the above AgeRange and MissingAgeSex programs using the variables \(\mathbf{C 1}, \mathbf{C 2}\), and \(\mathbf{C 3}\).
- ALL weighted programs use the variables PSU, Stratum, and one of either WStep1, WStep2, or WStep3.
- Unweighted tables will not have confidence intervals associated with them.

\section*{Demographic Information Results}

Age Description: Summary information by age group and sex of the respondents. group by
sex Instrument question:
- Sex
- What is your date of birth?
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{Age group and sex of respondents} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{2}{|c|}{Men} & \multicolumn{2}{|r|}{Women} & \multicolumn{2}{|l|}{Both Sexes} \\
\hline & n & \% & n & \% & n & \% \\
\hline 18-44 & 601 & 22.6 & 1000 & 37.6 & 1601 & 60.1 \\
\hline 45-69 & 467 & 17.5 & 594 & 22.3 & 1061 & 39.9 \\
\hline 18-69 & 1068 & 40.1 & 1594 & 59.9 & 2662 & 100.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: C1, C2, C3
- Epi Info program name: Cagesex (unweighted)

Education Description: Mean number of years of education among respondents.
Instrument question:
- In total, how many years have you spent at school or in full-time study (excluding pre-school)?
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{Mean number of years of education} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{2}{|c|}{Men} & \multicolumn{2}{|c|}{Women} & \multicolumn{2}{|c|}{Both Sexes} \\
\hline & n & Mean & n & Mean & n & Mean \\
\hline 18-44 & 597 & 9.9 & 996 & 9.9 & 1593 & 9.9 \\
\hline 45-69 & 461 & 9.1 & 584 & 8.6 & 1045 & 8.9 \\
\hline 18-69 & 1058 & 9.6 & 1580 & 9.4 & 2638 & 9.5 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: C4
- Epi Info program name: Ceduyears (unweighted)

Highest Description: Highest level of education achieved by the survey respondents.
level of
education Instrument question:
- What is the highest level of education you have completed?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{9}{|c|}{Highest level of education} \\
\hline & & \multicolumn{7}{|c|}{Men} \\
\hline Age Group (years) & n & \[
\begin{gathered}
\hline \text { \% No } \\
\text { formal } \\
\text { schoolin } \\
g
\end{gathered}
\] & \begin{tabular}{l}
\% Less \\
than primary school
\end{tabular} & \begin{tabular}{l}
\% Primary \\
school completed
\end{tabular} & \% Secondary school completed & \% Tertiary/ Technical completed & \% College/ University completed & \% Post graduate degree completed \\
\hline 18-44 & 601 & 1.7 & 6.7 & 40.4 & 35.8 & 13.3 & 1.8 & 0.3 \\
\hline 45-69 & 466 & 1.7 & 11.2 & 50.6 & 24.9 & 7.1 & 3.2 & 1.3 \\
\hline 18-69 & 1067 & 1.7 & 8.6 & 44.9 & 31.0 & 10.6 & 2.4 & 0.7 \\
\hline
\end{tabular}
\begin{tabular}{|ccccccccc|}
\hline \multicolumn{10}{|c|}{ Highest level of education } \\
\hline \begin{tabular}{ccccccccc|} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% No \\
formal \\
schoolin \\
g
\end{tabular} & \begin{tabular}{c} 
\% Less \\
than \\
primary \\
school
\end{tabular} & \begin{tabular}{c} 
\% Primary \\
school \\
completed
\end{tabular} & \begin{tabular}{c} 
Women \\
Secondary \\
school \\
completed
\end{tabular} & \begin{tabular}{c} 
\% Tertiary/ \\
Technical \\
completed
\end{tabular} & \begin{tabular}{c} 
\% College/ \\
University \\
completed
\end{tabular} & \begin{tabular}{c} 
\% Post \\
graduate \\
degree \\
completed
\end{tabular} \\
\hline \(18-44\) & 1000 & 2.6 & 4.6 & 39.7 & 39.7 & 9.1 & 3.8 & 0.5 \\
\(45-69\) & 593 & 2.4 & 11.3 & 52.1 & 23.1 & 7.8 & 2.9 & 0.5 \\
\hline \(\mathbf{1 8 - 6 9}\) & 1593 & 2.5 & 7.1 & 44.3 & 33.5 & 8.6 & 3.5 & 0.5 \\
\hline
\end{tabular}
\begin{tabular}{|ccccccccc|}
\hline \multicolumn{10}{c|}{ Highest level of education } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% No \\
formal \\
schoolin \\
g
\end{tabular} & \begin{tabular}{c} 
\% Less \\
than \\
primary \\
school
\end{tabular} & \begin{tabular}{c} 
\% Primary \\
school \\
completed
\end{tabular} & \begin{tabular}{c} 
Socondary \\
school \\
completed
\end{tabular} & \begin{tabular}{c} 
\% Tertiary/ \\
Technical \\
completed
\end{tabular} & \begin{tabular}{c} 
\% College/ \\
University \\
completed
\end{tabular} & \begin{tabular}{c} 
\% Post \\
graduate \\
degree \\
completed
\end{tabular} \\
\hline \(18-44\) & 1601 & 2.2 & 5.4 & 40.0 & 38.2 & 10.7 & 3.1 & 0.4 \\
\(45-69\) & 1059 & 2.1 & 11.2 & 51.5 & 23.9 & 7.5 & 3.0 & 0.8 \\
\hline \(\mathbf{1 8 - 6 9}\) & 2660 & 2.2 & 7.7 & 44.5 & 32.5 & 9.4 & 3.0 & 0.6 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: C5
- Epi Info program name: Ceduhigh (unweighted)

Ethnicity Description: Summary results for the ethnicity of the respondents.
Instrument Question:
- What is your [insert relevant ethnic group/racial group/cultural subgroup/others] background?
\begin{tabular}{|ccccccccc|}
\hline \multicolumn{9}{|c|}{ Ethnic group of respondents } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% \\
East
\end{tabular} & \begin{tabular}{c} 
\% African/ \\
Black
\end{tabular} & \begin{tabular}{c} 
\% \\
Andian
\end{tabular} & \begin{tabular}{c} 
\% \\
Amerindian
\end{tabular} & \begin{tabular}{c} 
Chinese
\end{tabular} & \begin{tabular}{c} 
\% \\
Portuguese
\end{tabular} & \begin{tabular}{c} 
Mixed
\end{tabular} \\
\hline \(18-44\) & 1600 & 36.6 & 28.2 & 13.8 & 0.1 & 0.3 & 20.7 & 0.3 \\
\(45-69\) & 1061 & 43.5 & 27.9 & 12.5 & 0.0 & 0.2 & 15.6 & 0.2 \\
\hline \(18-69\) & 2661 & 39.4 & 28.1 & 13.3 & 0.1 & 0.3 & 18.7 & 0.2 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: C6
- Epi Info program name: Cethnic (unweighted)
```

Maritbmal Description: Marital status of survey respondents.
status
Instrument question:

- What is your marital status?

```
\begin{tabular}{|cccccccc|}
\hline \multicolumn{8}{c|}{ Marital status } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% Never \\
married
\end{tabular} & \begin{tabular}{c} 
Men \\
Currently \\
married
\end{tabular} & \begin{tabular}{c} 
\% \\
Separated
\end{tabular} & \begin{tabular}{c} 
\% \\
Divorced
\end{tabular} & \begin{tabular}{c} 
Widowed
\end{tabular} & \begin{tabular}{c} 
\% \\
Cohabiting/ \\
Common- \\
Law
\end{tabular} \\
\hline \(18-44\) & 599 & 44.4 & 26.7 & 2.8 & 1.2 & 0.2 & 24.7 \\
\(45-69\) & 466 & 18.0 & 47.9 & 9.7 & 5.2 & 4.3 & 15.0 \\
\hline \(\mathbf{1 8 - 6 9}\) & 1065 & 32.9 & 36.0 & 5.8 & 2.9 & 2.0 & 20.5 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Marital status} \\
\hline & \multicolumn{7}{|c|}{Women} \\
\hline Age Group (years) & n & \% Never married & \begin{tabular}{l}
\% \\
Currently married
\end{tabular} & \% Separated & \begin{tabular}{l}
\% \\
Divorced
\end{tabular} & \begin{tabular}{l}
\% \\
Widowed
\end{tabular} & \begin{tabular}{l}
\% \\
Cohabiting/ CommonLaw
\end{tabular} \\
\hline 18-44 & 999 & 32.1 & 30.6 & 3.3 & 1.8 & 1.3 & 30.8 \\
\hline 45-69 & 594 & 19.4 & 42.3 & 5.1 & 4.7 & 16.5 & 12.1 \\
\hline 18-69 & 1593 & 27.4 & 35.0 & 4.0 & 2.9 & 7.0 & 23.9 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Marital status} \\
\hline & \multicolumn{7}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% Never married & \% Currently married & \begin{tabular}{l}
\% \\
Separated
\end{tabular} & \begin{tabular}{l}
\% \\
Divorced
\end{tabular} & \begin{tabular}{l}
\% \\
Widowed
\end{tabular} & \begin{tabular}{l}
\% \\
Cohabiting/ CommonLaw
\end{tabular} \\
\hline 18-44 & 1598 & 36.7 & 29.2 & 3.1 & 1.6 & 0.9 & 28.5 \\
\hline 45-69 & 1060 & 18.8 & 44.7 & 7.1 & 4.9 & 11.1 & 13.4 \\
\hline 18-69 & 2658 & 29.6 & 35.4 & 4.7 & 2.9 & 5.0 & 22.5 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: C7
- Epi Info program name: Cmaritalstatus (unweighted)

Employment Description: Proportion of respondents in paid employment and those who are status unpaid. Unpaid includes persons who are non-paid, students, homemakers, retired, and unemployed.

Instrument question:
- Which of the following best describes your main work status over the past 12 months?
\begin{tabular}{|cccccc|}
\hline \multicolumn{6}{|c|}{ Employment status } \\
\hline \begin{tabular}{c} 
Age Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% \\
Government \\
employee
\end{tabular} & \begin{tabular}{c} 
Men \\
\%overnment \\
employee
\end{tabular} & \begin{tabular}{c} 
\% Self- \\
employed
\end{tabular} & \% Unpaid \\
\hline \(18-44\) & 600 & 16.2 & 31.3 & 43.8 & 8.7 \\
\(45-69\) & 467 & 13.7 & 19.7 & 43.0 & 23.6 \\
\hline \(\mathbf{1 8 - 6 9}\) & 1067 & 15.1 & 26.2 & 43.5 & 15.2 \\
\hline
\end{tabular}
\begin{tabular}{|cccccc|}
\hline \multicolumn{6}{|c|}{ Employment status } \\
\hline \begin{tabular}{c} 
Age Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% \\
Government \\
employee
\end{tabular} & \begin{tabular}{c} 
Women \\
\% Non- \\
government \\
employee
\end{tabular} & \begin{tabular}{c} 
\% Self- \\
employed
\end{tabular} & \% Unpaid \\
\hline \(18-44\) & 999 & 12.2 & 15.2 & 21.1 & 51.5 \\
\(45-69\) & 593 & 8.1 & 8.8 & 25.1 & 58.0 \\
\hline \(\mathbf{1 8 - 6 9}\) & 1592 & 10.7 & 12.8 & 22.6 & 53.9 \\
\hline
\end{tabular}
\begin{tabular}{|cccccc|}
\hline \multicolumn{6}{|c|}{ Employment status } \\
\hline \begin{tabular}{c} 
Age Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% \\
Government \\
employee
\end{tabular} & \begin{tabular}{c} 
Both Sexes \\
\% Non- \\
government \\
employee
\end{tabular} & \begin{tabular}{c} 
\% Self- \\
employed
\end{tabular} & \% Unpaid \\
\cline { 2 - 6 } & \(18-44\) & 1599 & 13.7 & 21.3 & 29.6 \\
\(45-69\) & 1060 & 10.6 & 13.6 & 33.0 & 35.4 \\
\hline \(\mathbf{1 8 - 6 9}\) & 2659 & 12.4 & 18.2 & 31.0 & 38.4 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: C8
- Epi Info program name: Cworkpaid (unweighted)

Unpaid Description: Proportion of respondents in unpaid work.
work and
unemployed
Instrument question:
- Which of the following best describes your main work status over the past 12 months?
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Unpaid work and unemployed} \\
\hline \multirow[t]{3}{*}{Age Group (years)} & \multicolumn{7}{|c|}{Men} \\
\hline & & & & & & & oyed \\
\hline & n & paid & \% Student & \% Homemaker & \% Retired & \% Able to work & \% Not able to work \\
\hline 18-44 & 52 & 7.7 & 34.6 & 1.9 & 3.8 & 50.0 & 1.9 \\
\hline 45-69 & 110 & 4.5 & 0.0 & 1.8 & 51.8 & 21.8 & 20.0 \\
\hline 18-69 & 162 & 5.6 & 11.1 & 1.9 & 36.4 & 30.9 & 14.2 \\
\hline
\end{tabular}
\begin{tabular}{|ccccccc|}
\hline \multicolumn{8}{c|}{ Unpaid work and unemployed } \\
\hline \(\begin{array}{c}\text { Age } \\
\text { Group } \\
\text { (years) }\end{array}\) & n & \(\begin{array}{c}\text { \% Non- } \\
\text { paid }\end{array}\) & \% Student & \(\begin{array}{c}\text { \% Home- } \\
\text { maker }\end{array}\) & \% Retired
\end{tabular} \(\left.\begin{array}{c}\text { \% Able to } \\
\text { work }\end{array} \quad \begin{array}{c}\text { \% Not able } \\
\text { to work }\end{array}\right]\)
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Unpaid work and unemployed} \\
\hline \multirow[t]{3}{*}{Age Group (years)} & \multicolumn{7}{|c|}{Both Sexes} \\
\hline & & & & & & Une & oyed \\
\hline & n & paid & \% Student & \% Home-
maker & \% Retired & \% Able to work & \% Not able to work \\
\hline 18-44 & 566 & 2.5 & 7.2 & 63.8 & 0.5 & 24.9 & 1.1 \\
\hline 45-69 & 454 & 4.8 & 0.0 & 46.0 & 24.9 & 11.5 & 12.8 \\
\hline 18-69 & 1020 & 3.5 & 4.0 & 55.9 & 11.4 & 18.9 & 6.3 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: C8
- Epi Info program name: Cworknotpaid (unweighted)

Per Description: Mean reported per capita annual income of respondents in local currency.
income Instrument questions:
- How many people older than 18 years, including yourself, live in your household?
- Taking the past year, can you tell me what the average earning of the household has been?
\begin{tabular}{|cc|}
\hline \multicolumn{2}{|c|}{\begin{tabular}{c} 
Mean annual per capita \\
income
\end{tabular}} \\
\hline n & Mean \\
\hline 1948 & \(\$ 428,354.2\) \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: C9, C10a-c
- Epi Info program name: Cmeanincome (unweighted)

Estimated Description: summary of participant household earnings by quintile.
household earnings

Instrument question:
- If you don't know the amount, can you give an estimate of the annual household income if I read some options to you?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{9}{|c|}{Estimated household earnings} \\
\hline n & \[
\begin{gathered}
\% \leq \\
\$ 500,000
\end{gathered}
\] & \[
\begin{gathered}
\% \\
\$ 500,000- \\
\$ 700,000
\end{gathered}
\] & \[
\begin{gathered}
\% \\
\$ 700,000- \\
\$ 900,000 \\
\hline
\end{gathered}
\] & \[
\begin{gathered}
\% \\
\$ 900,000- \\
\$ 1,100,000
\end{gathered}
\] & \[
\begin{gathered}
\% \\
\$ 1,100,000- \\
\$ 1,500,000
\end{gathered}
\] & \[
\begin{gathered}
\% \\
\$ 1,500,000- \\
\$ 2,300,00
\end{gathered}
\] & \[
\begin{gathered}
\% \\
\$ 2,300,000- \\
\$ 3,500,000
\end{gathered}
\] & \[
\begin{gathered}
\text { \% More } \\
\text { than } \\
\$ 3,500,000
\end{gathered}
\] \\
\hline 192 & 71.9\% & 15.1\% & 7.3\% & 4.7\% & 1.0\% & 1.5\% & 1.0\% & 1.5\% \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: C11
- Epi Info program name: Cquintile (unweighted)

\section*{Tobacco Use}

\section*{Current Description: Current smokers among all respondents. smoking}

Instrument question:
- Do you currently smoke any tobacco products, such as cigarettes, cigars, or pipes?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of current smokers} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n &  & 95\% CI & n &  & 95\% CI & n &  & 95\% CI \\
\hline 18-44 & 601 & 24.4 & 18.6-30.2 & 1000 & 3.2 & 1.8-4.5 & 1601 & 14.3 & 11.0-17.5 \\
\hline 45-69 & 467 & 31.6 & 24.1-39.2 & 594 & 3.7 & 2.0-5.3 & 1061 & 17.8 & 13.7-22.0 \\
\hline 18-69 & 1068 & 26.6 & 21.2-32.0 & 1594 & 3.3 & 2.3-4.4 & 2662 & 15.4 & 12.3-18.4 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: T1, T2, T8
- Epi Info program name: Tsmokestatus (unweighted); TsmokestatusWT (weighted)

Smoking Description: Smoking status of all respondents.
Status
Instrument questions:
- Do you currently smoke any tobacco products, such as cigarettes, cigars, or pipes?
- Do you currently smoke tobacco products daily?
- In the past, did you ever smoke any tobacco products?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Smoking status} \\
\hline \multirow[b]{3}{*}{Age Group (years)} & \multicolumn{9}{|c|}{Men} \\
\hline & & \multicolumn{4}{|c|}{Current smoker} & \multicolumn{4}{|c|}{Non-smokers} \\
\hline & N & \[
\begin{gathered}
\% \\
\text { Daily }
\end{gathered}
\] & 95\% CI & \% Nondaily & 95\% CI & \% Former smoker & 95\% CI & \% Never smoker & 95\% CI \\
\hline 18-44 & 601 & 16.3 & 11.3-21.4 & 8.1 & 5.5-10.6 & 18.7 & 14.6-22.8 & 56.9 & 51.7-62.2 \\
\hline 45-69 & 467 & 24.6 & 19.3-30.0 & 7.0 & 3.2-10.8 & 30.4 & 23.6-37.1 & 38.0 & 31.3-44.7 \\
\hline 18-69 & 1068 & 18.8 & 14.6-23.0 & 7.8 & 5.6-9.9 & 22.2 & 18.4-26.0 & 51.3 & 46.7-55.8 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Smoking status} \\
\hline \multirow[b]{3}{*}{Age Group (years)} & \multicolumn{9}{|c|}{Women} \\
\hline & & \multicolumn{4}{|c|}{Current smoker} & \multicolumn{4}{|c|}{Non-smokers} \\
\hline & N & \% Daily & 95\% CI & \% Nondaily & 95\% CI & \% Former smoker & 95\% CI & \% Never smoker & 95\% CI \\
\hline 18-44 & 1000 & 1.6 & 0.7-2.6 & 1.5 & 0.4-2.6 & 8.2 & 6.0-10.4 & 88.6 & 86.1-91.1 \\
\hline 45-69 & 594 & 3.4 & 1.8-5.0 & 0.3 & 0.0-0.7 & 8.3 & 4.7-12.0 & 88.0 & 83.9-92.1 \\
\hline 18-69 & 1594 & 2.2 & 1.4-3.0 & 1.1 & 0.4-1.9 & 8.3 & 6.4-10.1 & 88.4 & 86.4-90.5 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Smoking status} \\
\hline \multirow[b]{3}{*}{Age Group (years)} & \multicolumn{9}{|c|}{Both Sexes} \\
\hline & & \multicolumn{4}{|c|}{Current smoker} & \multicolumn{4}{|c|}{Non-smokers} \\
\hline & N & \% Daily & 95\% CI & \% Nondaily & 95\% CI & \% Former smoker & 95\% CI & \% Never smoker & 95\% CI \\
\hline 18-44 & 1601 & 9.3 & 6.6-12.1 & 4.9 & 3.5-6.3 & 13.7 & \[
\begin{gathered}
\hline 11.2- \\
16.1
\end{gathered}
\] & 72.1 & 69.0-75.1 \\
\hline 45-69 & 1061 & 14.1 & \[
\begin{aligned}
& 11.2- \\
& 17.1
\end{aligned}
\] & 3.7 & 1.7-5.7 & 19.5 & \[
\begin{array}{r}
15.9- \\
23.0 \\
\hline
\end{array}
\] & 62.7 & 57.7-67.7 \\
\hline 18-69 & 2662 & 10.8 & 8.5-13.1 & 4.6 & 3.4-5.8 & 15.5 & \[
\begin{aligned}
& 13.5- \\
& 17.4
\end{aligned}
\] & 69.2 & 66.3-72.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: T1, T2, T8
- Epi Info program name: Tsmokestatus (unweighted); TsmokestatusWT (weighted)
```

Daily Description: Percentage of current daily smokers among smokers.
smoking
Instrument questions:

- Do you currently smoke any tobacco products, such as cigarettes, cigars, or pipes?
- Do you currently smoke tobacco products daily?

```
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Current daily smokers among smokers} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & N & \% Daily smokers & 95\% CI & n & \% Daily smokers & 95\% CI & n & \% Daily smokers & 95\% CI \\
\hline 18-44 & 151 & 66.9 & 57.4-76.5 & 28 & 51.8 & 28.9-74.6 & 179 & 65.3 & 56.7-74.0 \\
\hline 45-69 & 144 & 77.8 & 68.9-86.7 & 21 & 92.3 & \[
\begin{aligned}
& 81.5- \\
& 100.0
\end{aligned}
\] & 165 & 79.3 & 71.1-87.5 \\
\hline 18-69 & 295 & 70.8 & 64.8-76.9 & 49 & 65.8 & 50.3-81.3 & 344 & 70.3 & 65.0-75.6 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: T1, T2
- Epi Info program name: Tsmokefreq (unweighted); TsmokefreqWT (weighted)

Initiation Description: Mean age of initiation and mean duration of smoking, in years, among
and duration of smoking smokers (no total age group for mean duration of smoking as age influences these values).

Instrument questions:
- Do you currently smoke any tobacco products, such as cigarettes, cigars, or pipes?
- How old were you when you first started smoking?
- Do you remember how long ago it was?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean age started smoking} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & N & Mean age & 95\% CI & n & Mean age & 95\% Cl & n & Mean age & 95\% Cl \\
\hline 18-44 & 95 & 16.0 & & 16 & 23.2 & & 111 & 16.6 & \\
\hline 45-69 & 114 & 19.7 & & 19 & 20.5 & & 133 & 19.8 & \\
\hline 18-69 & 209 & 17.5 & & 35 & 21.9 & & 244 & 17.9 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean duration of smoking} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & N & Mean duration & 95\% CI & n & Mean duration & 95\% CI & n & Mean duration & 95\% CI \\
\hline 18-44 & 95 & 17.8 & & 16 & 9.2 & & 111 & 17.1 & \\
\hline 45-69 & 114 & 33.7 & & 19 & 32.1 & & 133 & 33.5 & \\
\hline 18-69 & 209 & 24.2 & & 35 & 20.4 & & 244 & 23.8 & \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: T1, T2, T3, T4a-c
- Epi Info program name: Tsmokeagetime (unweighted); TsmokeagetimeWT (weighted)

Manufactured Description: Percentage of smokers who use manufactured cigarettes among cigarette daily smokers and among current smokers. smokers

Instrument questions:
- Do you currently smoke any tobacco products, such as cigarettes, cigars, or pipes?
- Do you currently smoke tobacco products daily?
- On average, how many of the following products do you smoke each day?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Manufactured cigarette smokers among daily smokers} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & N & \% Manu-
factured cigarette smoker & 95\% CI & n &  & 95\% CI & n & \% Manu factured cigarette smoker & 95\% CI \\
\hline 18-44 & 95 & 97.4 & 93.3-100.0 & 17 & 100.0 & \[
\begin{aligned}
& 100.0- \\
& 100.0
\end{aligned}
\] & 112 & 97.6 & 93.9-100.0 \\
\hline 45-69 & 113 & 99.1 & 97.5-100.0 & 19 & 100.0 & \[
\begin{aligned}
& 100.0- \\
& 100.0
\end{aligned}
\] & 132 & 99.2 & 97.8-100.0 \\
\hline 18-69 & 208 & 98.1 & 95.5-100.0 & 36 & 100.0 & \[
\begin{aligned}
& \hline 100.0- \\
& 100.0 \\
& \hline
\end{aligned}
\] & 244 & 98.3 & 96.0-100.0 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Manufactured cigarette smokers among current smokers} \\
\hline \multicolumn{4}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & N & \% Manufactured cigarette smoker & 95\% CI & n & \% Manu factured cigarette smoke & 95\% CI & n & \% Manu factured cigarette smoker & 95\% CI \\
\hline 18-44 & 148 & 96.1 & 92.2-100.0 & 27 & 91.0 & 77.5-100.0 & 175 & 95.6 & 91.8-99.4 \\
\hline 45-69 & 143 & 98.2 & 96.0-100.0 & 21 & 96.6 & 89.9-100.0 & 164 & 98.0 & 95.9-100.0 \\
\hline 18-69 & 291 & 96.9 & 94.1-99.6 & 48 & 93.0 & 84.8-100.0 & 339 & 96.5 & 93.8-99.1 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: T1, T2, T5a, T5aw
- Epi Info program name: Tsmokeman (unweighted); TsmokemanWT (weighted)

Amount Description: Mean amount of tobacco used by daily smokers per day, by type.
of tobacco used among daily smokers by type

Instrument questions:
- Do you currently smoke any tobacco products, such as cigarettes, cigars, or pipes?
- Do you currently smoke tobacco products daily?
- On average, how many of the following products do you smoke each day?
\begin{tabular}{|cccccccccc|}
\hline \multicolumn{10}{|c|}{ Mean amount of tobacco used by daily smokers by type } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
Mean \# of \\
manufactured \\
cig.
\end{tabular} & \(95 \% \mathrm{Cl}\) & n & \begin{tabular}{c} 
Mean \# \\
of hand- \\
rolled cig.
\end{tabular} & \(95 \% \mathrm{Cl}\) & N & \begin{tabular}{c} 
Mean \# \\
of pipes \\
of \\
tobacco
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 95 & 9.3 & - & 92 & 0.3 & - & 95 & 0.0 & - \\
\(45-69\) & 113 & 9.8 & - & 111 & 0.1 & - & 110 & 0.0 & - \\
\hline \(18-69\) & 208 & 9.5 & - & 203 & 0.2 & - & 205 & 0.0 & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean amount of tobacco used by daily smokers by type} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{9}{|c|}{Men} \\
\hline & n & Mean \# o
cigars, cheerots, cigarillos & 95\% CI & n & Mean \# of shisha sessions & 95\% CI & N & Mean \# of other type of tobacco & 95\% CI \\
\hline 18-44 & 95 & 0.2 & - & 94 & 0.0 & - & 95 & 1.0 & - \\
\hline 45-69 & 111 & 0.8 & - & 110 & 0.0 & - & 111 & 0.0 & - \\
\hline 18-69 & 206 & 0.4 & - & 204 & 0.0 & - & 206 & 0.6 & - \\
\hline
\end{tabular}
\begin{tabular}{|cccccccccc|}
\hline \multicolumn{10}{|c|}{ Mean amount of tobacco used by daily smokers by type } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
Mean \# of \\
manufactured \\
cig.
\end{tabular} & \(95 \% \mathrm{Cl}\) & n & \begin{tabular}{c} 
Mean \# \\
of hand- \\
rolled cig.
\end{tabular} & \(95 \% \mathrm{Cl}\) & N & \begin{tabular}{c} 
Mean \# \\
of pipes \\
of \\
tobacco
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\cline { 2 - 12 } & \(18-44\) & 17 & 7.5 & - & 17 & 0.6 & - & 17 & 0.0 \\
\(45-69\) & 19 & 11.8 & - & 17 & 0.0 & - & 17 & 0.0 & - \\
\hline \(18-69\) & 36 & 9.6 & - & 34 & 0.4 & - & 34 & 0.0 & - \\
\hline
\end{tabular}
\begin{tabular}{|cccccccccc|}
\hline \multicolumn{9}{|c|}{ Mean amount of tobacco used by daily smokers by type } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
Mean \# of \\
cigars, \\
cheerots, \\
cigarillos
\end{tabular} & \(95 \% \mathrm{Cl}\) & n & \begin{tabular}{c} 
Mean \# \\
of shisha \\
sessions
\end{tabular} & \(95 \% \mathrm{Cl}\) & N & \begin{tabular}{c} 
Mean \# of \\
other type \\
of \\
tobacco
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\cline { 2 - 11 } & \\
\hline \(18-44\) & 17 & 0.0 & - & 17 & 0.0 & - & 17 & 1.0 & - \\
\(45-69\) & 18 & 0.8 & - & 17 & 0.0 & - & 17 & 0.4 & - \\
\hline \(18-69\) & 35 & 0.4 & - & 34 & 0.0 & - & 34 & 0.7 & - \\
\hline
\end{tabular}
\begin{tabular}{|cccccccccc|}
\hline \multicolumn{9}{|c|}{ Mean amount of tobacco used by daily smokers by type } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
Mean \# of \\
manufactured \\
cig.
\end{tabular} & \(95 \% \mathrm{Cl}\) & n & \begin{tabular}{c} 
Mean \# \\
of hand- \\
rolled cig.
\end{tabular} & \(95 \% \mathrm{Cl}\) & N & \begin{tabular}{c} 
Mean \# \\
of pipes \\
of \\
tobacco
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 112 & 9.1 & - & 109 & 0.4 & - & 112 & 0.0 & - \\
\(45-69\) & 132 & 10.0 & - & 128 & 0.1 & - & 127 & 0.0 & - \\
\hline \(18-69\) & 244 & 9.5 & - & 237 & 0.3 & - & 239 & 0.0 & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean amount of tobacco used by daily smokers by type} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{9}{|c|}{Both Sexes} \\
\hline & n & Mean \# of cigars, cheerots, cigarillos & 95\% CI & n & Mean \# of shisha sessions & 95\% CI & N & \begin{tabular}{l}
Mean \# of other type \\
tobacco
\end{tabular} & 95\% CI \\
\hline 18-44 & 112 & 0.1 & - & 111 & 0.0 & - & 112 & 1.0 & - \\
\hline 45-69 & 129 & 0.8 & - & 127 & 0.0 & - & 128 & 0.1 & - \\
\hline 18-69 & 241 & 0.4 & - & 238 & 0.0 & - & 240 & 0.6 & - \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: T1, T2, T5a-T5f
- Epi Info program name: Tsmoketype (unweighted); TsmoketypeWT (weighted)

Smoked Description: Percentage of current smokers who smoke each of the following tobacco consumption products.

Instrument questions:
- Do you currently smoke any tobacco products, such as cigarettes, cigars, or pipes?
- Do you currently smoke tobacco products daily?
- On average, how many of the following products do you smoke each day/week?
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Percentage of current smokers smoking each of the following products} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{7}{|c|}{Men} \\
\hline & N & \% Manuf. cigs. & 95\% CI & \% Handrolled cigs & 95\% CI & \% Pipes of tobacco & 95\% CI \\
\hline 18-44 & 151 & 94.8 & 90.4-99.2 & 7.0 & 2.0-12.0 & 1.3 & 0.0-3.5 \\
\hline 45-69 & 144 & 97.8 & 95.4-100.0 & 6.1 & 1.7-10.6 & 0.0 & 0.0-0.0 \\
\hline 18-69 & 295 & 95.9 & 92.9-98.8 & 6.7 & 2.8-10.6 & 0.9 & 0.0-2.3 \\
\hline
\end{tabular}
\begin{tabular}{|cccccccc|}
\hline \multicolumn{7}{c|}{ Percentage of current smokers smoking each of the following products } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & N & \begin{tabular}{c} 
\% Cigars, \\
cheroots, \\
cigarillos
\end{tabular} & \(95 \% \mathrm{Cl}\) & \(\%\) Shisha & \(95 \% \mathrm{Cl}\) & \(\%\) Other & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 151 & 8.2 & \(0.6-15.8\) & 2.1 & \(0.0-5.0\) & 8.2 & \(3.5-12.9\) \\
\(45-69\) & 144 & 6.3 & \(0.9-11.8\) & 0.4 & \(0.0-1.2\) & 6.0 & \(0.9-11.1\) \\
\hline \(\mathbf{1 8 - 6 9}\) & 295 & 7.5 & \(2.5-12.5\) & 1.5 & \(0.0-3.4\) & 7.4 & \(3.4-11.5\) \\
\hline
\end{tabular}
\begin{tabular}{|cccccccc|}
\hline \multicolumn{8}{c|}{ Percentage of current smokers smoking each of the following products } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & N & \begin{tabular}{c} 
\% Manuf. \\
cigs.
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
Women \\
\%olled cigs.
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
\% Pipes of \\
tobacco
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 28 & 87.2 & \(73.8-100.0\) & 13.0 & \(0.0-34.3\) & 0 & - \\
\(45-69\) & 21 & 96.6 & \(89.9-100.0\) & 3.0 & \(0.0-9.0\) & 0 & - \\
\hline \(\mathbf{1 8 - 6 9}\) & 49 & 90.5 & \(82.3-98.7\) & 9.5 & \(0.0-23.9\) & \(\mathbf{0}\) & \(\mathbf{-}\) \\
\hline
\end{tabular}
\begin{tabular}{|cccccccc|}
\hline \multicolumn{7}{|c|}{ Percentage of current smokers smoking each of the following products } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% Cigars, \\
cheroots, \\
cigarillos
\end{tabular} & \(95 \% \mathrm{Cl}\) & \(\%\) Shisha & \(95 \% \mathrm{Cl}\) & \% Other & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 28 & 0.0 & \(0.0-0.0\) & 0 & - & 12.3 & \(0.0-26.2\) \\
\(45-69\) & 21 & 7.0 & \(4.6-9.4\) & 0 & - & 3.5 & \(0.0-10.6\) \\
\hline \(\mathbf{1 8 - 6 9}\) & 49 & 2.4 & \(1.9-2.9\) & \(\mathbf{0}\) & - & 9.3 & \(0.0-18.7\) \\
\hline
\end{tabular}
\begin{tabular}{|cccccccc|}
\hline \multicolumn{7}{c|}{ Percentage of current smokers smoking each of the following products } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% Manuf. \\
cigs.
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
Both Sexes \\
\% Hand- \\
rolled cigs.
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
\% Pipes of \\
tobacco
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 179 & 94.0 & \(89.7-98.3\) & 7.7 & \(2.6-12.7\) & 1.2 & \(0.0-3.1\) \\
\(45-69\) & 165 & 97.7 & \(95.4-99.9\) & 5.8 & \(1.8-9.8\) & 0.0 & \(0.0-0.0\) \\
\hline \(\mathbf{1 8 - 6 9}\) & 344 & 95.3 & \(92.4-98.2\) & 7.0 & \(3.2-10.8\) & 0.8 & \(0.0-2.0\) \\
\hline
\end{tabular}
\begin{tabular}{|cccccccc|}
\hline \multicolumn{7}{c|}{ Percentage of current smokers smoking each of the following products } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% Cigars, \\
cheroots, \\
cigarillos
\end{tabular} & \(95 \% \mathrm{Cl}\) & \% Shisha & \(95 \% \mathrm{Cl}\) & \(\%\) Other & \(95 \% \mathrm{CI}\) \\
\hline \(18-44\) & 179 & 7.3 & \(0.4-14.3\) & 1.9 & \(0.0-4.5\) & 8.6 & \(4.1-13.1\) \\
\(45-69\) & 165 & 6.4 & \(1.4-11.5\) & 0.4 & \(0.0-1.1\) & 5.8 & \(1.1-10.4\) \\
\hline \(18-69\) & 344 & 7.0 & \(2.4-11.6\) & 1.3 & \(0.0-3.0\) & 7.6 & \(3.9-11.4\) \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: T1, T2, T5a-T5fw
- Epi Info program name: Tsmoketypeprev (unweighted); TsmoketypeprevWT (weighted)

Frequency Description: Percentage of daily cigarette smokers smoking given quantities of of daily cigarette smoking Instrument questions:
- Do you currently smoke any tobacco products, such as cigarettes, cigars, or pipes?
- Do you currently smoke tobacco products daily?
- On average, how many of the following products do you smoke each day?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{12}{|c|}{Percentage of daily smokers smoking given quantities of manufactured or hand-rolled cigarettes per day} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{11}{|c|}{Men} \\
\hline & n & \[
\begin{aligned}
& \%<5 \\
& \text { Cigs. }
\end{aligned}
\] & 95\% CI & \[
\begin{aligned}
& \% \text { 5-9 } \\
& \text { Cigs. }
\end{aligned}
\] & 95\% CI & \[
\begin{aligned}
& \text { \% 10- } \\
& 14 \\
& \text { Cigs. }
\end{aligned}
\] & 95\% CI & \[
\begin{gathered}
\hline \text { \% 15- } \\
24 \\
\text { Cigs. }
\end{gathered}
\] & 95\% CI & \[
\begin{gathered}
\% \\
\geq 25 \\
\text { Cigs. }
\end{gathered}
\] & 95\% CI \\
\hline 18-44 & 90 & 32.3 & 6.8-57.7 & 13.8 & 4.8-22.7 & 32.5 & 17.9-47.1 & 18.5 & 8.3-28.7 & 3.0 & 0.0-6.3 \\
\hline 45-69 & 109 & 25.0 & \[
\begin{aligned}
& 10.4- \\
& 39.6
\end{aligned}
\] & 23.7 & 12.4-34.9 & 25.3 & 14.4-36.2 & 22.2 & 13.1-31.2 & 3.8 & 0.0-7.8 \\
\hline 18-69 & 199 & 29.4 & 8.9-49.9 & 17.6 & 9.7-25.6 & 29.7 & 18.6-40.8 & 20.0 & 12.0-27.9 & 3.3 & 0.8-5.9 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{12}{|c|}{Percentage of daily smokers smoking given quantities of manufactured or hand-rolled cigarettes per day} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{11}{|c|}{Women} \\
\hline & n & \[
\begin{aligned}
& \%<5 \\
& \text { Cigs. }
\end{aligned}
\] & 95\% CI & \[
\begin{aligned}
& \% 5-9 \\
& \text { Cigs. }
\end{aligned}
\] & 95\% CI & \[
\begin{gathered}
\text { \% 10-14 } \\
\text { Cigs. }
\end{gathered}
\] & 95\% CI & \[
\begin{gathered}
\hline \% 15- \\
24 \\
\text { Cigs. }
\end{gathered}
\] & 95\% CI & \[
\begin{gathered}
\% \\
\geq 25 \\
\text { Cigs. }
\end{gathered}
\] & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] \\
\hline 18-44 & 17 & 29.4 & 0.0-60.9 & 40.5 & 8.4-72.6 & 11.5 & 0.0-25.6 & 15.4 & 0.0-37.2 & 3.2 & \[
\begin{aligned}
& 0.0- \\
& 10.0
\end{aligned}
\] \\
\hline 45-69 & 17 & 8.0 & 0.0-20.1 & 14.6 & 0.0-35.7 & 41.1 & 13.7-68.5 & 32.1 & 8.6-55.7 & 4.2 & \[
\begin{array}{r}
0.0- \\
12.9 \\
\hline
\end{array}
\] \\
\hline 18-69 & 34 & 19.7 & 0.0-39.5 & 28.8 & 7.9-49.7 & 24.9 & 8.5-41.3 & 22.9 & 6.7-39.1 & 3.6 & \(0.0-\)
9.2 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{12}{|c|}{Percentage of daily smokers smoking given quantities of manufactured or hand-rolled cigarettes per day} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{11}{|c|}{Both Sexes} \\
\hline & n & \[
\begin{aligned}
& \%<5 \\
& \text { Cigs. }
\end{aligned}
\] & 95\% CI & \[
\begin{aligned}
& \% \text { 5-9 } \\
& \text { Cigs. }
\end{aligned}
\] & 95\% CI & \[
\begin{gathered}
\% \text { 10- } \\
14 \\
\text { Cigs. }
\end{gathered}
\] & 95\% CI & \[
\begin{gathered}
\% 15- \\
24 \\
\text { Cigs. }
\end{gathered}
\] & 95\% CI & \[
\begin{gathered}
\% \\
\geq 25 \\
\text { Cigs. } \\
\hline
\end{gathered}
\] & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] \\
\hline 18-44 & 107 & 32.0 & 8.5-55.5 & 16.1 & 6.9-25.3 & 30.6 & 17.0-44.3 & 18.2 & 8.7-27.8 & 3.0 & 0.0-6.1 \\
\hline 45-69 & 126 & 23.1 & 9.8-36.4 & 22.7 & 12.4-33.0 & 27.1 & 17.0-37.2 & 23.3 & \[
\begin{aligned}
& 14.6- \\
& 31.9
\end{aligned}
\] & 3.9 & 0.3-7.5 \\
\hline 18-69 & 233 & 28.5 & 9.6-47.3 & 18.7 & 11.1-26.4 & 29.2 & 18.9-39.6 & 20.3 & \[
\begin{aligned}
& 12.8- \\
& 27.7
\end{aligned}
\] & 3.3 & 1.0-5.7 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: T1, T2, T5a, T5b
- Epi Info program name: Tcig (unweighted); TcigWT (weighted)

Cessation Description: Percentage of current smokers who have tried to stop smoking during the past 12 months.

Instrument questions:
- Do you currently smoke any tobacco products, such as cigarettes, cigars, or pipes?
- During the past 12 months, have you tried to stop smoking?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Current smokers who have tried to stop smoking} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \begin{tabular}{l}
\% Tried to stop \\
smoking
\end{tabular} & 95\% CI & n & \% Tried to stop smoking & 95\% CI & n & \% Tried to stop smoking & 95\% CI \\
\hline 18-44 & 151 & 57.4 & 48.3-66.5 & 28 & 75.4 & 59.0-91.8 & 179 & 59.3 & 51.1-67.5 \\
\hline 45-69 & 144 & 61.0 & 47.9-74.0 & 21 & 54.9 & 32.6-77.1 & 165 & 60.3 & 48.4-72.3 \\
\hline 18-69 & 295 & 58.7 & 51.9-65.4 & 49 & 68.3 & 54.4-82.2 & 344 & 59.7 & 53.6-65.7 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: T1, T2, T6
- Epi Info program name: Tcessation (unweighted); TcessationWT (weighted)

Advice to Description: Percentage of current smokers who have been advised by a doctor or
stop smoking
other health worker to stop smoking, among those smokers who have had a visit to a doctor or other health worker in the past 12 months.

Instrument questions:
- Do you currently smoke any tobacco products, such as cigarettes, cigars, or pipes?
- During any visit to a doctor or other health worker in the past 12 months, were you advised to quit smoking tobacco?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Current smokers who have been advised by doctor to stop smoking} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & Advised to stop smoking & 95\% CI & n & \%
Advised to stop smoking & 95\% CI & n & \begin{tabular}{l}
\% \\
Advised to stop smoking
\end{tabular} & 95\% CI \\
\hline 18-44 & 110 & 32.5 & 19.0-45.9 & 22 & 23.0 & 1.2-44.9 & 132 & 31.4 & 19.0-43.8 \\
\hline 45-69 & 119 & 41.9 & 22.6-61.2 & 17 & 22.9 & 1.7-44.2 & 136 & 40.1 & 22.2-57.9 \\
\hline 18-69 & 229 & 36.1 & 22.0-50.2 & 39 & 23.0 & 6.4-39.5 & 268 & 34.7 & 21.6-47.7 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: T1, T2, T7
- Epi Info program name: Tcessation (unweighted); TcessationWT (weighted)

\section*{Tobacco Policy}
\begin{tabular}{ll}
\begin{tabular}{l} 
Anti- \\
cigarette \\
information
\end{tabular} & \begin{tabular}{l} 
Description: Percentage of all respondents who noticed information in \\
newspapers or magazines, television or radio about the dangers of smoking or
\end{tabular} \\
that encourages quitting during the past 30 days.
\end{tabular}

Instrument questions:
- During the past 30 days, have you noticed information about the dangers of smoking cigarettes or that encourages quitting through the following media?
- Newspapers or magazines

Noticed information in newspapers or magazines about dangers of smoking or that encourages quitting
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 31.2 & 25.9-36.6 & 1000 & 31.3 & 26.8-35.9 & 1601 & 31.3 & 27.6-35.0 \\
\hline 45-69 & 467 & 31.7 & 25.9-37.5 & 594 & 31.3 & 26.1-36.4 & 1061 & 31.5 & 27.2-35.7 \\
\hline 18-69 & 1068 & 31.4 & 27.2-35.6 & 1594 & 31.3 & 27.6-35.0 & 2662 & 31.3 & 28.3-34.4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Noticed information on television about dangers of smoking or that encourages quitting} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 49.5 & 44.6-54.5 & 1000 & 49.7 & 45.3-54.2 & 1601 & 49.6 & 46.0-53.2 \\
\hline 45-69 & 467 & 51.5 & 45.3-57.7 & 594 & 49.0 & 43.7-54.4 & 1061 & 50.3 & 45.7-54.8 \\
\hline 18-69 & 1068 & 50.1 & 45.9-54.4 & 1594 & 49.5 & 45.9-53.2 & 2662 & 49.8 & 46.6-53.0 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Noticed information on the radio about dangers of smoking or that encourages quitting} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 29.4 & 23.7-35.0 & 1000 & 26.5 & 22.7-30.3 & 1601 & 28.0 & 24.1-31.9 \\
\hline 45-69 & 467 & 34.1 & 28.3-39.9 & 594 & 28.7 & 23.3-34.1 & 1061 & 31.4 & 27.2-35.7 \\
\hline 18-69 & 1068 & 30.8 & 26.1-35.5 & 1594 & 27.2 & 24.2-30.2 & 2662 & 29.1 & 25.8-32.3 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: TP1a-c
- Epi Info program name: TPdanger (unweighted); TPdangerWT (weighted)

Cigarette Description: Percentage of all respondents who noticed advertisements or signs advertising promoting cigarettes in stores where cigarettes are sold during the past 30 days.

Instrument questions:
- During the past 30 days, have you noticed any advertisements or signs promoting cigarettes in stores where cigarettes are sold?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Noticed advertisements or signs promoting cigarettes in stores} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 600 & 29.2 & 23.5-34.9 & 997 & 31.0 & 27.0-35.0 & 1597 & 30.1 & 26.8-33.3 \\
\hline 45-69 & 467 & 32.8 & 26.6-39.0 & 592 & 22.9 & 18.3-27.4 & 1059 & 27.9 & 23.8-32.0 \\
\hline 18-69 & 1067 & 30.3 & 25.4-35.1 & 1589 & 28.4 & 25.3-31.5 & 2656 & 29.4 & 26.7-32.1 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: TP2
- Epi Info program name: TPcigads (unweighted); TPcigadsWT (weighted)

Cigarette Description: Percentage of all respondents who noticed cigarette promotions promotion during the past 30 days.

Instrument questions:
- During the past 30 days, have you noticed any of the following types of cigarette promotions?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Noticed free samples of cigarettes} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 3.0 & 1.5-4.5 & 1000 & 3.2 & 2.0-4.4 & 1601 & 3.1 & 2.1-4.1 \\
\hline 45-69 & 467 & 5.1 & 2.2-8.0 & 594 & 2.4 & 1.3-3.6 & 1061 & 3.8 & 2.2-5.4 \\
\hline 18-69 & 1068 & 3.6 & 2.2-5.0 & 1594 & 3.0 & 2.1-3.9 & 2662 & 3.3 & 2.4-4.2 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Noticed sale prices on cigarettes} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 7.9 & 5.0-10.8 & 1000 & 8.3 & 5.9-10.8 & 1601 & 8.1 & 6.3-9.9 \\
\hline 45-69 & 467 & 6.5 & 3.3-9.7 & 594 & 5.0 & 3.0-7.0 & 1061 & 5.8 & 3.8-7.7 \\
\hline 18-69 & 1068 & 7.5 & 5.2-9.8 & 1594 & 7.3 & 5.6-9.0 & 2662 & 7.4 & 6.0-8.8 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Noticed coupons for cigarettes} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 6.6 & 3.9-9.3 & 1000 & 5.3 & 3.0-7.6 & 1601 & 6.0 & 4.3-7.6 \\
\hline 45-69 & 467 & 5.4 & 3.0-7.9 & 594 & 4.1 & 2.2-6.0 & 1061 & 4.8 & 3.1-6.4 \\
\hline 18-69 & 1068 & 6.3 & 4.3-8.2 & 1594 & 4.9 & 3.2-6.6 & 2662 & 5.6 & 4.4-6.8 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Noticed free gifts or special discount offers on other products when buying cigarettes} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% Cl \\
\hline 18-44 & 601 & 6.2 & 3.5-8.9 & 1000 & 3.6 & 2.4-4.8 & 1601 & 5.0 & 3.4-6.5 \\
\hline 45-69 & 467 & 6.7 & 3.9-9.6 & 594 & 3.4 & 1.9-4.9 & 1061 & 5.1 & 3.5-6.7 \\
\hline 18-69 & 1068 & 6.4 & 4.3-8.4 & 1594 & 3.6 & 2.6-4.5 & 2662 & 5.0 & 3.8-6.2 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Noticed clothing or other items with a cigarette brand name or logo} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 5.8 & 3.3-8.2 & 1000 & 3.3 & 1.9-4.7 & 1601 & 4.6 & 3.1-6.1 \\
\hline 45-69 & 467 & 7.5 & 4.5-10.4 & 594 & 2.9 & 1.5-4.4 & 1061 & 5.2 & 3.5-7.0 \\
\hline 18-69 & 1068 & 6.3 & 4.3-8.2 & 1594 & 3.2 & 2.1-4.3 & 2662 & 4.8 & 3.6-5.9 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Noticed cigarette promotions in the mail} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 1.8 & 0.7-2.9 & 1000 & 2.4 & 0.6-4.2 & 1601 & 2.1 & 1.1-3.1 \\
\hline 45-69 & 467 & 1.0 & 0.0-1.9 & 594 & 2.0 & 0.8-3.2 & 1061 & 1.5 & 0.8-2.2 \\
\hline 18-69 & 1068 & 1.6 & 0.7-2.4 & 1594 & 2.3 & 1.0-3.6 & 2662 & 1.9 & 1.2-2.6 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: TP3a-TP3f
- Epi Info program name: TPcigpromos (unweighted); TPcigpromosWT (weighted)

Cigarette Description: Percentage of current smokers who noticed health warnings on package cigarette packages during the past 30 days.

Instrument questions:
- During the past 30 days, did you notice any health warnings on cigarette packages?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Current smokers who noticed health warnings on cigarette packages} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 146 & 86.6 & 79.0-94.2 & 24 & 71.4 & 47.5-95.3 & 170 & 85.2 & 77.3-93.1 \\
\hline 45-69 & 135 & 88.7 & 82.3-95.2 & 21 & 72.5 & 52.8-92.2 & 156 & 87.0 & 80.7-93.3 \\
\hline 18-69 & 281 & 87.4 & 81.5-93.2 & 45 & 71.8 & 55.0-88.6 & 326 & 85.9 & 79.8-91.9 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: TP4
- Epi Info program name: TPwarnings (unweighted); TPwarningsWT (weighted)

Quitting Description: Percentage of current smokers who noticed health warnings on cigarette packages during the past 30 days that thought about quitting due to the health warnings they saw.

Instrument questions:
- During the past 30 days, did you notice any health warnings on cigarette packages?
- During the past 30 days, have warning labels on cigarette packages led you to think about quitting?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Current smokers who saw health warnings on cigarette packages that thought of quitting} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 121 & 66.7 & 56.4-77.0 & 18 & 79.9 & 60.6-99.1 & 139 & 67.7 & 58.1-77.3 \\
\hline 45-69 & 112 & 55.9 & 39.5-72.4 & 14 & 56.8 & 32.4-81.1 & 126 & 56.0 & 40.9-71.2 \\
\hline 18-69 & 233 & 62.8 & 52.5-73.2 & 32 & 70.7 & 56.3-85.0 & 265 & 63.5 & 54.0-73.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: TP4, TP5
- Epi Info program name: TPquitting (unweighted); TPquittingWT (weighted)

Cigarette Description: Average price paid for 20 manufactured cigarettes, based on the last costs manufactured cigarette purchase.

Instrument questions:
- The last time you bought manufactured cigarettes for yourself, how many cigarettes did you buy in total?
- In total, how much money did you pay for this purchase?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Average price paid for 20 manufactured cigarettes} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean
[insert
currency] & 95\% CI & n & Mean [insert currency] & 95\% CI & n & Mean [insert currency] & 95\% CI \\
\hline 18-44 & 78 & 427.5 & - & 14 & 432.0 & - & 92 & 428.1 & - \\
\hline 45-69 & 70 & 435.7 & - & 11 & 439.5 & - & 81 & 436.1 & - \\
\hline 18-69 & 148 & 430.2 & - & 25 & 434.3 & - & 173 & 430.6 & - \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: TP6, TP7
- Epi Info program name: TPcost (unweighted); TPcostWT (weighted)

\section*{Alcohol Consumption}
Alcohol
consumption
status

Description: Alcohol consumption status of all respondents.
consumption
status Instrument questions:
- Have you ever consumed any alcohol such as ...?
- Have you consumed any alcohol in the past 12 months?
- Have you consumed any alcohol in the past 30 days?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Alcohol consumption status} \\
\hline & \multicolumn{9}{|c|}{Men} \\
\hline Age Group (years) & n & \% Current drinker (past 30 days) & 95\% CI & \begin{tabular}{l}
\% Drank \\
in past 12 \\
months, \\
not current
\end{tabular} & 95\% CI & \% Past 12 months abstainer & 95\% CI & \% Lifetime abstainer & 95\% CI \\
\hline 18-44 & 601 & 63.8 & 58.5-69.1 & 13.6 & 9.9-17.2 & 10.2 & 4.9-15.5 & 12.4 & 8.8-16.0 \\
\hline 45-69 & 467 & 48.9 & 42.6-55.2 & 14.6 & 10.3-18.8 & 19.1 & 14.8-23.5 & 17.4 & 12.6-22.2 \\
\hline 18-69 & 1068 & 59.3 & 54.9-63.8 & 13.9 & 10.8-17.0 & 12.9 & 8.4-17.3 & 13.9 & 10.7-17.1 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Alcohol consumption status} \\
\hline & \multicolumn{9}{|c|}{Women} \\
\hline Age Group (years) & n & \begin{tabular}{l}
\% \\
Current drinker (past 30 days)
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% Drank \\
in past 12 \\
months, not current
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% Past 12 \\
months abstainer
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% \\
Lifetime abstainer
\end{tabular} & 95\% CI \\
\hline 18-44 & 1000 & 25.3 & 22.0-28.5 & 21.7 & 18.4-25.0 & 16.3 & 13.3-19.4 & 36.7 & 32.5-40.9 \\
\hline 45-69 & 594 & 13.1 & 9.9-16.3 & 11.8 & 8.5-15.1 & 24.7 & 19.5-29.9 & 50.4 & 45.1-55.8 \\
\hline 18-69 & 1594 & 21.4 & 18.9-24.0 & 18.6 & 16.2-21.0 & 19.0 & 16.3-21.6 & 41.0 & 37.4-44.6 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Alcohol consumption status} \\
\hline & \multicolumn{9}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \begin{tabular}{l}
\% \\
Current drinker (past 30 days)
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% Drank \\
in past 12 \\
months, not current
\end{tabular} & 95\% CI & \% Past 12 months abstainer & 95\% CI & \% Lifetime abstainer & 95\% CI \\
\hline 18-44 & 1601 & 45.4 & 41.9-48.9 & 17.5 & 15.0-19.9 & 13.1 & 10.0-16.2 & 24.0 & 20.7-27.3 \\
\hline 45-69 & 1061 & 31.2 & 27.3-35.1 & 13.2 & 10.3-16.1 & 21.9 & 17.9-25.8 & 33.7 & 29.7-37.7 \\
\hline 18-69 & 2662 & 41.0 & 38.1-44.0 & 16.2 & 14.2-18.1 & 15.8 & 12.9-18.8 & 27.0 & 24.1-29.9 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A5
- Epi Info program name: Aconsumption (unweighted); AconsumptionWT (weighted)

Stopping Description: Percentage of former drinkers (those who did not drink during the past drinking 12 months) who stopped drinking due to health reasons, such as a negative impact due to health reasons of drinking on your health or as per advice of a doctor or other health worker among those respondents who drank in their lifetime, but not in the last 12 months.

Instrument questions:
- Have you consumed any alcohol in the past 12 months?
- Did you stop drinking due to health reasons, such as a negative impact of drinking on your health or as per advice of your doctor or other health worker?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Stopping drinking due to health reasons} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \begin{tabular}{l}
\% \\
stopping due to health reasons
\end{tabular} & 95\% CI & n & stopping due to health reasons & 95\% CI & n &  & 95\% Cl \\
\hline 18-44 & 53.0 & 30.9 & 8.0-53.7 & 166.0 & 17.9 & 10.4-25.4 & 219.0 & 23.2 & \[
\begin{aligned}
& 13.8- \\
& 32.5
\end{aligned}
\] \\
\hline 45-69 & 85.0 & 31.3 & \[
\begin{aligned}
& 14.7- \\
& 48.0
\end{aligned}
\] & 118.0 & 12.3 & 5.5-19.0 & 203.0 & 20.7 & \[
\begin{aligned}
& 13.0- \\
& 28.4
\end{aligned}
\] \\
\hline 18-69 & 138.0 & 31.1 & \[
\begin{gathered}
20.8- \\
41.3
\end{gathered}
\] & 284.0 & 15.6 & 10.1-21.1 & 422.0 & 22.1 & \[
\begin{aligned}
& 17.1- \\
& 27.1
\end{aligned}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A3
- Epi Info program name: Astopdrink (unweighted); AstopdrinkWT (weighted)

Frequency Description: Frequency of alcohol consumption in the past 12 months among of alcohol those respondents who drank in the last 12 months.

\section*{consumption}

Instrument question:
- During the past 12 months, how frequently have you had at least one alcoholic drink?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{14}{|c|}{Frequency of alcohol consumption in the past 12 months} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{13}{|c|}{Men} \\
\hline & n & \[
\begin{gathered}
\% \\
\text { Daily }
\end{gathered}
\] & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% 5-6 days/ week & \[
\begin{gathered}
95 \% \\
\mathrm{CI}
\end{gathered}
\] & \% 3-4 days/ week & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% 1-2 days/ week & 95\% CI & \% 1-3 days/ month & 95\% CI & \[
\begin{gathered}
\% \\
<\text { once } \\
\text { a } \\
\text { month }
\end{gathered}
\] & \[
\begin{gathered}
95 \% \\
\mathrm{CI}
\end{gathered}
\] \\
\hline 18-44 & 920 & 2.3 & 1.3-3.4 & 3.3 & 1.8-4.8 & 2.7 & \[
\begin{aligned}
& 0.9- \\
& 4.4
\end{aligned}
\] & 5.1 & 2.7-7.4 & 21.8 & \[
\begin{aligned}
& 17.7- \\
& 25.9
\end{aligned}
\] & 30.8 & \[
\begin{aligned}
& 27.1- \\
& 34.5
\end{aligned}
\] \\
\hline 45-69 & 449 & 3.5 & 1.6-5.4 & 4.6 & 2.1-7.2 & 4.9 & \[
\begin{aligned}
& 1.8-8 \\
& 7.9
\end{aligned}
\] & 5.5 & 2.0-9.0 & 19.1 & \[
\begin{aligned}
& 13.3- \\
& 24.9
\end{aligned}
\] & 21.9 & \[
\begin{aligned}
& 16.9- \\
& 260
\end{aligned}
\] \\
\hline 18-69 & 1369 & 2.6 & 1.7-3.6 & 3.6 & 2.3-5.0 & 3.2 & \[
\begin{aligned}
& 1.8- \\
& 4.7
\end{aligned}
\] & 5.2 & 3.2-7.1 & 21.2 & \[
\begin{aligned}
& 18.0- \\
& 24.4 \\
& \hline
\end{aligned}
\] & 28.7 & \[
\begin{aligned}
& 25.7- \\
& 31.7
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{14}{|c|}{Frequency of alcohol consumption in the past 12 months} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{13}{|c|}{Women} \\
\hline & n & \[
\begin{gathered}
\text { \% } \\
\text { Daily }
\end{gathered}
\] & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% 5-6 days/ week & \[
95 \%
\] & \% 3-4 days/ week & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \begin{tabular}{l}
\% 1-2 \\
days/ \\
week
\end{tabular} & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% 1-3 days/ month & \[
\begin{gathered}
95 \% \\
\mathrm{CI}
\end{gathered}
\] & \[
\begin{gathered}
\% \\
<\text { once } \\
\text { a month }
\end{gathered}
\] & \[
\begin{gathered}
\hline 95 \% \\
\mathrm{CI}
\end{gathered}
\] \\
\hline 18-44 & 488 & 0.6 & 0.0-1.3 & 0.4 & 0.0-1.3 & 1.5 & 0.5-2.6 & 8.6 & \[
\begin{aligned}
& 5.3- \\
& 12.0
\end{aligned}
\] & 25.1 & \[
\begin{aligned}
& 20.5- \\
& 29.6
\end{aligned}
\] & 63.7 & \[
\begin{aligned}
& 57.8 \\
& 69.7
\end{aligned}
\] \\
\hline 45-69 & 164 & 0.5 & 0.0-1.3 & 1.7 & 0.0-3.9 & 1.5 & 0.0-3.1 & 6.7 & \[
\begin{aligned}
& 2.4- \\
& 11.0
\end{aligned}
\] & 17.3 & \[
\begin{aligned}
& 9.4- \\
& 25.2
\end{aligned}
\] & 73.3 & \[
\begin{array}{r}
63.8 \\
80.8 \\
\hline
\end{array}
\] \\
\hline 18-69 & 602 & 0.6 & 0.1-1.2 & 0.7 & 0.0-1.5 & 1.5 & 0.6-2.4 & 8.3 & \[
\begin{aligned}
& \hline 5.5- \\
& 11.0 \\
& \hline
\end{aligned}
\] & 23.5 & \[
\begin{array}{r}
19.6- \\
27.5 \\
\hline
\end{array}
\] & 65.4 & \[
\begin{aligned}
& \hline 60.1 \\
& 70.6 \\
& \hline
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{14}{|c|}{Frequency of alcohol consumption in the past 12 months} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{13}{|c|}{Both Sexes} \\
\hline & n & \[
\begin{gathered}
\text { \% } \\
\text { Daily }
\end{gathered}
\] & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% 5-6 days/ week & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% 3-4 days/ week & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \begin{tabular}{l}
\% 1-2 \\
days/ \\
week
\end{tabular} & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% 1-3 days/ month & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \[
\begin{gathered}
\% \\
<\text { once } \\
\text { a month }
\end{gathered}
\] & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] \\
\hline 18-44 & & 2.3 & 1.3-3.4 & 1.9 & 0.7-3.0 & 3.8 & 2.2-5.4 & 21.8 & \[
\begin{aligned}
& 17.7- \\
& 25.9
\end{aligned}
\] & 30.8 & \[
\begin{aligned}
& 27.1- \\
& 34.5
\end{aligned}
\] & 39.4 & 35.4
43.4 \\
\hline 45-69 & & 3.5 & 1.6-5.4 & 4.0 & 1.7-6.3 & 4.4 & 1.8-7.0 & 19.1 & \[
\begin{aligned}
& 13.3- \\
& 24.9
\end{aligned}
\] & 21.9 & \[
\begin{aligned}
& 16.9- \\
& 26.9
\end{aligned}
\] & 47.1 & \[
\begin{array}{r}
40.4 \\
53.9 \\
\hline
\end{array}
\] \\
\hline 18-69 & & 2.6 & 1.7-3.6 & 2.4 & 1.4-3.4 & 3.9 & 2.6-5.3 & 21.2 & \[
\begin{aligned}
& 18.0- \\
& 24.4
\end{aligned}
\] & 28.7 & \[
\begin{gathered}
\hline 25.7- \\
31.7 \\
\hline
\end{gathered}
\] & 41.2 & \[
\begin{array}{r}
37.9 \\
44.6 \\
\hline
\end{array}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A4
- Epi Info program name: Afrequency (unweighted); AfrequencyWT (weighted)

Drinking occasions in the past 30 days

Description: Mean number of occasions with at least one drink in the past 30 days among current (past 30 days) drinkers.

Instrument question:
- During the past 30 days, on how many occasions did you have at least one alcoholic drink?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean number of drinking occasions in the past 30 days among current (past 30 days) drinkers} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean & 95\% CI & n & Mean & 95\% Cl & n & Mean & 95\% CI \\
\hline 18-44 & 385.0 & 4.2 & 3.7-4.8 & 252 & 2.4 & 2.0-2.8 & 637 & 3.7 & 3.3-4.2 \\
\hline 45-69 & 220.0 & 3.8 & 3.0-4.7 & 80 & 2.6 & 1.6-3.6 & 300 & 3.6 & 2.8-4.3 \\
\hline 18-69 & 605.0 & 4.1 & 3.6-4.6 & 332 & 2.4 & 2.0-2.8 & 937 & 3.7 & 3.3-4.1 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A5, A6
- Epi Info program name: Aoccasions (unweighted); AoccasionsWT (weighted)
\begin{tabular}{ll}
\begin{tabular}{l} 
Standard \\
drinks \\
per \\
drinking
\end{tabular} & \begin{tabular}{l} 
Description: Mean number of standard drinks consumed on a drinking occasion \\
among current (past 30 days) drinkers.
\end{tabular} \\
occasion & Instrument question: \\
& \begin{tabular}{c} 
- During the past 30 days, when you drank alcohol, on average, how many \\
standard alcoholic drinks did you have during one occasion?
\end{tabular}
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean number of standard drinks per drinking occasion among current (past 30 days) drinkers} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean & 95\% CI & n & Mean & 95\% Cl & n & Mean & 95\% CI \\
\hline 18-44 & 381 & 5.8 & 5.1-6.5 & 253 & 3.6 & 3.1-4.0 & 634 & 5.2 & 4.6-5.8 \\
\hline 45-69 & 221 & 5.1 & 4.1-6.0 & 81 & 3.0 & 2.5-3.5 & 302 & 4.6 & 3.9-5.4 \\
\hline 18-69 & 602 & 5.6 & 5.0-6.2 & 334 & 3.5 & 3.1-3.9 & 936 & 5.1 & 4.6-5.6 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A5, A7
- Epi Info program name: Anumdrinkperday (unweighted); AnumdrinkperdayWT (weighted)

Average Description: Percentage of respondents with different drinking levels.

A standard drink contains approximately 10 g of pure alcohol.
Instrument questions:
- During the past 30 days, on how many occasions did you have at least one alcoholic drink?
- During the past 30 days, when you drank alcohol, on average, how many standard alcoholic drinks did you have during one occasion?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|l|}{Drinking at high-end level among all respondents ( \(\geq 60 \mathrm{~g}\) of pure alcohol on average per occasion among men and \(\geq 40 \mathrm{~g}\) of pure alcohol on average per occasion among women)} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline (years) & n & \% \(\geq 60 \mathrm{~g}\) & 95\% CI & n & \% \(\geq 40 \mathrm{~g}\) & 95\% CI & n & \% highend level & 95\% CI \\
\hline 18-44 & 137 & 22.1 & \[
\begin{aligned}
& 17.3- \\
& 26.9
\end{aligned}
\] & 82 & 8.9 & 6.4-11.4 & 221.0 & 15.8 & \[
\begin{aligned}
& 13.1- \\
& 18.4
\end{aligned}
\] \\
\hline 45-69 & 66 & 13.8 & 9.5-18.0 & 23 & 3.6 & 1.9-5.3 & 140.0 & 8.7 & 6.4-11.1 \\
\hline 18-69 & 203 & 19.6 & \[
\begin{aligned}
& 15.9- \\
& 23.3
\end{aligned}
\] & 105 & 7.2 & 5.4-9.1 & 361.0 & 13.6 & \[
\begin{aligned}
& 11.5- \\
& 15.7 \\
& \hline
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|l|}{Drinking at intermediate level among all respondents (40-59.9g of pure alcohol on average per occasion among men and \(20-39.9 \mathrm{~g}\) of pure alcohol on average per occasion among women)} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \[
\begin{aligned}
& \% 40- \\
& 59.9 \mathrm{~g}
\end{aligned}
\] & 95\% CI & n & \[
\begin{aligned}
& \% ~ 20- \\
& 39.9 \mathrm{~g}
\end{aligned}
\] & 95\% CI & n & \%
\begin{tabular}{c} 
intermediate \\
level
\end{tabular}
11.7 & 95\% CI \\
\hline 18-44 & 77 & 13.0 & 9.5-16.5 & 117 & 10.4 & 8.3-12.5 & 221 & 11.7 & 9.6-13.9 \\
\hline 45-69 & 42 & 7.8 & 4.6-10.9 & 31 & 5.2 & 3.2-7.3 & 140 & 6.5 & 4.6-8.4 \\
\hline 18-69 & 119 & 11.4 & 8.7-14.1 & 148 & 8.8 & 7.2-10.4 & 361 & 10.1 & 8.5-11.8 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|l|}{Drinking at lower-end level among all respondents (<40g of pure alcohol on average per occasion among men and <20g of pure alcohol on average per occasion among women)} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline (years) & n & \% < 40 g & 95\% CI & n & \% < 20g & 95\% CI & n & \% lowerend level & 95\% Cl \\
\hline 18-44 & 167 & 28.3 & \[
\begin{aligned}
& 23.2- \\
& 33.3
\end{aligned}
\] & 54 & 5.8 & 3.7-7.9 & 221 & 17.5 & \[
\begin{aligned}
& 14.2- \\
& 20.8
\end{aligned}
\] \\
\hline 45-69 & 113 & 27.1 & \[
\begin{array}{r}
21.4- \\
32.9
\end{array}
\] & 27 & 4.0 & 2.2-5.9 & 140 & 15.7 & \[
\begin{aligned}
& 12.4- \\
& 19.0
\end{aligned}
\] \\
\hline 18-69 & 280 & 28.3 & \[
\begin{aligned}
& 23.2- \\
& 33.3 \\
& \hline
\end{aligned}
\] & 81 & 5.3 & 3.7-6.8 & 361 & 16.9 & \[
\begin{aligned}
& 14.1- \\
& 19.8 \\
& \hline
\end{aligned}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A5, A6, A7
- Epi Info program name: Acategories (unweighted); AcategoriesWT (weighted)
volume drinking levels among current (past 30 days) drinkers

Average Description: Percentage of current (past 30 days) drinkers with different drinking levels.
A standard drink contains approximately 10 g of pure alcohol.
Instrument questions:
- During the past 30 days, on how many occasions did you have at least one alcoholic drink?
- During the past 30 days, when you drank alcohol, on average, how many standard alcoholic drinks did you have during one occasion?
\begin{tabular}{|cccccccc|}
\hline \multicolumn{9}{|c|}{ High-end, intermediate, and lower-end level drinking among current (past 30 days) drinkers } \\
\hline \multicolumn{8}{|c|}{\begin{tabular}{c} 
Age Group \\
(years)
\end{tabular}} \\
\cline { 2 - 9 } & n & \begin{tabular}{c} 
\% high- \\
end \\
\((\geq 60 \mathrm{~g})\)
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
Men \\
intermediate \\
\((40-59.9 \mathrm{~g})\)
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
\% lower- \\
end \\
\((<40 \mathrm{~g})\)
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 381.0 & 34.9 & \(28.3-41.5\) & 20.5 & \(15.4-25.5\) & 44.6 & \(36.9-52.4\) \\
\(45-69\) & 221.0 & 28.3 & \(20.5-36.1\) & 16.0 & \(9.6-22.3\) & 55.7 & \(46.7-64.8\) \\
\hline \(\mathbf{1 8 - 6 9}\) & 602.0 & 33.3 & \(27.7-38.9\) & 19.3 & \(15.1-23.6\) & 47.4 & \(40.6-54.2\) \\
\hline
\end{tabular}
\begin{tabular}{|cccccccc|}
\hline \multicolumn{8}{|c|}{ High-end, intermediate, and lower-end level drinking among current (past 30 days) drinkers } \\
\hline & \multicolumn{7}{c|}{\begin{tabular}{c} 
Women \\
Age Group \\
(years)
\end{tabular}} \\
\cline { 2 - 9 } & n & \begin{tabular}{c} 
\% high- \\
end \\
\((\geq 40 \mathrm{~g})\)
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
\% \\
intermediate \\
\((20-39.9 \mathrm{~g})\)
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
\% lower- \\
end \\
\((<20 \mathrm{~g})\)
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 743.0 & 8.9 & \(6.4-11.4\) & 10.4 & \(8.3-12.5\) & 5.8 & \(3.7-7.9\) \\
\(45-69\) & 512.0 & 3.6 & \(1.9-5.3\) & 5.2 & \(3.2-7.3\) & 4.0 & \(2.2-5.9\) \\
\hline \(\mathbf{1 8}-69\) & 1255.0 & 7.2 & \(5.4-9.1\) & 8.8 & \(7.2-10.4\) & 5.3 & \(3.7-6.8\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|l|}{High-end, intermediate, and lower-end level drinking among current (past 30 days) drinkers} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{7}{|c|}{Both sexes} \\
\hline & n & \% highend & 95\% CI & \[
\begin{gathered}
\% \\
\text { intermediate } \\
\hline
\end{gathered}
\] & 95\% CI & \% lowerend & 95\% CI \\
\hline 18-44 & 634.0 & 35.0 & 29.8-40.2 & 26.1 & 21.7-30.5 & 38.9 & 32.1-45.6 \\
\hline 45-69 & 302.0 & 28.2 & 21.5-34.9 & 21.1 & 15.1-27.0 & 50.7 & 42.8-58.7 \\
\hline 18-69 & 936.0 & 33.4 & 28.9-38.0 & 24.9 & 21.0-28.8 & 41.6 & 35.6-47.7 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A5, A6, A7
- Epi Info program name: Acategories (unweighted); AcategoriesWT (weighted)

Largest Description: Largest number of drinks consumed during a single occasion in the number of drinks in the past 30 days past 30 days among current (past 30 days) drinkers.

Instrument question:
- During the past 30 days, what was the largest number of standard alcoholic drinks you had on a single occasion, counting all types of alcoholic drinks together?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean maximum number of standard drinks consumed on one occasion in the past 30 days} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & Mean maximum number & 95\% CI & n & Mean maximum number & 95\% CI & n & Mean maximum number & 95\% CI \\
\hline 18-44 & 381.0 & 7.8 & 6.9-8.7 & 251 & 4.836 & 4.0-5.7 & 632.0 & 7.0 & 6.3-7.8 \\
\hline 45-69 & 217.0 & 5.9 & 4.8-7.0 & 80 & 3.378 & 2.8-4.0 & 297.0 & 5.4 & 4.5-6.2 \\
\hline 18-69 & 598.0 & 7.3 & 6.6-3.3 & 331 & 4.562 & 3.9-5.3 & 929.0 & 6.6 & 6.0-7.3 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A5, A8
- Epi Info program name: Alargestnum (unweighted); AlargestnumWT (weighted)
\begin{tabular}{ll} 
Six or & Description: Percentage of respondents who had six or more drinks on any \\
more & occasion in the past 30 days during a single occasion among the total population. \\
drinks & Instrument question: \\
on a & (nse \\
single & • During the past 30 days, how many times did you have six or more \\
occasion & standard alcoholic drinks in a single drinking occasion?
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|l|}{Six or more drinks on a single occasion at least once during the past 30 days among total population} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \[
\begin{aligned}
& \% \geq 6 \\
& \text { drinks }
\end{aligned}
\] & 95\% CI & n & \[
\begin{aligned}
& \% \geq 6 \\
& \text { drinks }
\end{aligned}
\] & 95\% CI & n & \[
\begin{aligned}
& \hline \% \geq 6 \\
& \text { drinks }
\end{aligned}
\] & 95\% CI \\
\hline 18-44 & 224 & 38.4 & 32.7-44.2 & 100 & 9.9 & 7.6-12.1 & 344 & 24.8 & 21.5-28.1 \\
\hline 45-69 & 117 & 24.1 & 18.7-29.4 & 26 & 3.6 & 2.0-5.3 & 143 & 14.0 & 11.0-16.9 \\
\hline 18-69 & 361 & 34.1 & 29.5-38.8 & 126 & 7.9 & 6.3-9.5 & 487 & 21.5 & 18.8-24.1 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A5, A9
- Epi Info program name: Aepisodic (unweighted); AepisodicWT (weighted)
\begin{tabular}{ll} 
Six or & \begin{tabular}{l} 
Description: Mean number of times in the past 30 days on which current (past 30 \\
more \\
drinks
\end{tabular} \\
days) drinkers consumed six or more drinks during a single occasion. \\
on a & Instrument question: \\
single & - During the past 30 days, how many times did you have six or more \\
occasion & standard alcoholic drinks in a single drinking occasion?
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|l|}{Mean number of times with six or more drinks during a single occasion in the past 30 days among current drinkers} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & Mean number of times & 95\% CI & n & Mean number of times & 95\% CI & n & Mean number of times & 95\% CI \\
\hline 18-44 & 374 & 1.791 & 1.5-2.1 & 250 & 0.996 & 0.7-1.3 & 624.0 & 1.6 & 1.3-1.8 \\
\hline 45-69 & 215 & 2.17 & 1.5-2.9 & 79 & 0.916 & 0.4-1.5 & 294.0 & 1.9 & 1.3-2.5 \\
\hline 18-69 & 589 & 1.884 & 1.6-2.2 & 329 & 0.981 & 0.7-1.3 & 918.0 & 1.7 & 1.4-1.9 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A5, A9
- Epi Info program name: Aepisodic (unweighted); AepisodicWT (weighted)

Past 7 Description: Frequency of alcohol consumption in the past 7 days by current (past days 30 days) drinkers.
drinking
Instrument question:
- During each of the past 7 days, how many standard drinks of any alcoholic drink did you have each day?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{12}{|c|}{Frequency of alcohol consumption in the past 7 days} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{11}{|c|}{Men} \\
\hline & n & \[
\begin{gathered}
\% \\
\text { \%aily }
\end{gathered}
\] & 95\% CI & \[
\begin{aligned}
& \hline \% 5-6 \\
& \text { days } \\
& \hline
\end{aligned}
\] & 95\% Cl & \[
\begin{gathered}
\hline \text { \% 3-4 } \\
\text { days }
\end{gathered}
\] & 95\% CI & \[
\begin{gathered}
\hline \% \text { 1-2 } \\
\text { days } \\
\hline
\end{gathered}
\] & 95\% CI & \[
\begin{gathered}
\hline \% 0 \\
\text { days } \\
\hline
\end{gathered}
\] & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] \\
\hline 18-44 & 390 & 3.5 & 1.7-5.2 & 2.1 & 0.7-3.5 & 9.7 & \[
\begin{aligned}
& \hline 6.1- \\
& 13.4
\end{aligned}
\] & 65.0 & \[
\begin{aligned}
& \hline 58.8- \\
& 71.2
\end{aligned}
\] & 19.7 & \[
\begin{aligned}
& \hline 14.6- \\
& 24.8
\end{aligned}
\] \\
\hline 45-69 & 225 & 6.6 & \[
\begin{aligned}
& 3.2- \\
& 10.0
\end{aligned}
\] & 2.0 & 0.0-4.4 & 8.6 & \[
\begin{aligned}
& 5.0 \\
& 12.3
\end{aligned}
\] & 54.3 & \[
\begin{aligned}
& 45.2- \\
& 63.4
\end{aligned}
\] & 28.5 & \[
\begin{array}{r}
20.3- \\
36.6 \\
\hline
\end{array}
\] \\
\hline 18-69 & 615 & 4.3 & 2.6-5.9 & 2.1 & 0.9-3.3 & 9.4 & \[
\begin{aligned}
& 6.5- \\
& 12.4
\end{aligned}
\] & 62.3 & \[
\begin{aligned}
& 56.8- \\
& 67.9
\end{aligned}
\] & 21.9 & \[
\begin{aligned}
& 17.2- \\
& 26.5
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{12}{|c|}{Frequency of alcohol consumption in the past 7 days} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{11}{|c|}{Women} \\
\hline & n & \[
\begin{gathered}
\hline \% \\
\text { Daily }
\end{gathered}
\] & 95\% CI & \[
\begin{gathered}
\hline \text { \% 5-6 } \\
\text { days }
\end{gathered}
\] & 95\% CI & \[
\begin{gathered}
\begin{array}{c}
\% \text { 3-4 } \\
\text { days }
\end{array} \\
\hline
\end{gathered}
\] & 95\% CI & \[
\begin{aligned}
& \text { \% 1-2 } \\
& \text { days }
\end{aligned}
\] & 95\% CI & \[
\begin{aligned}
& \% 0 \\
& \text { days }
\end{aligned}
\] & \[
\begin{gathered}
\hline 95 \% \\
\mathrm{Cl} \\
\hline
\end{gathered}
\] \\
\hline 18-44 & 257.0 & 1.5 & 0.0-3.3 & 0.0 & 0.0-0.0 & 7.6 & \[
\begin{aligned}
& \hline 3.5- \\
& 11.6
\end{aligned}
\] & 50.8 & \[
\begin{gathered}
\hline 42.8- \\
58.8
\end{gathered}
\] & 40.2 & \[
\begin{gathered}
32.1- \\
48.3
\end{gathered}
\] \\
\hline 45-69 & 82.0 & 5.5 & \[
\begin{aligned}
& 0.0- \\
& 12.1
\end{aligned}
\] & 0.9 & 0.0-2.6 & 0.6 & 0.0-1.8 & 49.8 & \[
\begin{aligned}
& 37.1- \\
& 62.4 \\
& \hline
\end{aligned}
\] & 43.3 & \[
\begin{gathered}
30.4- \\
56.2
\end{gathered}
\] \\
\hline 18-69 & 339.0 & 2.2 & 0.3-4.1 & 0.2 & 0.0-0.5 & 6.2 & 2.9-9.6 & 50.6 & \[
\begin{aligned}
& \hline 43.4- \\
& 57.8
\end{aligned}
\] & 40.8 & \[
\begin{array}{r}
\hline 33.5- \\
48.1 \\
\hline
\end{array}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{12}{|c|}{Frequency of alcohol consumption in the past 7 days} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{11}{|c|}{Both Sexes} \\
\hline & n & \[
\begin{gathered}
\% \\
\text { Daily }
\end{gathered}
\] & 95\% CI & \[
\begin{aligned}
& \text { \% 5-6 } \\
& \text { days }
\end{aligned}
\] & 95\% CI & \[
\begin{aligned}
& \% 3-4 \\
& \text { days } \\
& \hline
\end{aligned}
\] & 95\% CI & \[
\begin{aligned}
& \text { \% 1-2 } \\
& \text { days }
\end{aligned}
\] & 95\% CI & \[
\begin{gathered}
\% 0 \\
\text { days }
\end{gathered}
\] & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] \\
\hline 18-44 & 647.0 & 2.9 & 1.6-4.3 & 1.6 & 0.5-2.6 & 9.1 & \[
\begin{aligned}
& \hline 6.3- \\
& 12.0
\end{aligned}
\] & 61.2 & \[
\begin{aligned}
& \hline 56.5- \\
& 65.9
\end{aligned}
\] & 25.1 & \[
\begin{aligned}
& 21.1- \\
& 29.2
\end{aligned}
\] \\
\hline 45-69 & 307.0 & 6.4 & 3.4-9.4 & 1.8 & 0.0-3.7 & 7.0 & 4.1-9.9 & 53.3 & \[
\begin{aligned}
& 45.9- \\
& 60.8
\end{aligned}
\] & 31.5 & \[
\begin{aligned}
& 24.7- \\
& 38.3
\end{aligned}
\] \\
\hline 18-69 & 954.0 & 3.7 & 2.4-5.1 & 1.6 & 0.7-2.5 & 8.6 & \[
\begin{aligned}
& \hline 6.4- \\
& 10.9
\end{aligned}
\] & 59.4 & \[
\begin{aligned}
& \hline 55.1- \\
& 63.7 \\
& \hline
\end{aligned}
\] & 26.6 & \[
\begin{aligned}
& \hline 22.9- \\
& 30.3
\end{aligned}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A5, A10a-g
- Epi Info program name: Apastweek (unweighted); ApastweekWT (weighted)

Standard Description: Mean number of standard drinks consumed on average per day in the drinks per day in the past 7 days past 7 days among current (past 30 days) drinkers.

Instrument question:
- During each of the past 7 days, how many standard drinks of any alcoholic drink did you have each day?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|l|}{Mean number of standard drinks consumed on average per day in the past 7 days among current drinkers} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean number & 95\% CI & n & Mean number & 95\% CI & n & Mean number & 95\% CI \\
\hline & 390.0 & 1.038 & 0.843-1.2 & 257.0 & 0.436 & 0.3-0.5 & 647.0 & 0.878 & 0.73 \\
\hline & 225.0 & 1.143 & 0.634-1.7 & 82.0 & 0.456 & 0.2-0.8 & 307.0 & 1.001 & 0.591 \\
\hline & 615.0 & 1.064 & 0.867-1.3 & 339.0 & 0.44 & 0.3-0.5 & 954.0 & 0.907 & 0.758 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A5, A10a-g
- Epi Info program name: Apastweek (unweighted); ApastweekWT (weighted)

Consumption Description: Percentage of respondents that consumed unrecorded alcohol of (homebrewed alcohol, alcohol brought over the border, not intended for unrecorded drinking or other untaxed alcohol) during the past 7 days among current (past alcohol 30 days) drinkers.

Instrument questions:
- Have you consumed any alcohol within the past 30 days?
- During the past 7 days, did you consume any homebrewed alcohol, any alcohol brought over the border, not intended for drinking or other untaxed alcohol?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Consumption of unrecorded alcohol} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \begin{tabular}{c}
\(\%\) \\
\begin{tabular}{c} 
consuming \\
unrecorded \\
alcohol
\end{tabular} \\
\hline
\end{tabular} & 95\% CI & n & \begin{tabular}{l}
\(\%\) \\
\begin{tabular}{c} 
consuming \\
unrecorded \\
alcohol
\end{tabular} \\
\hline
\end{tabular} & 95\% CI & n & \% consuming unrecorded alcohol & 95\% CI \\
\hline 18-44 & 27 & 5.7 & 2.8-8.7 & 17 & 5.3 & 2.7-8.0 & 44 & 5.6 & 3.2-8.1 \\
\hline 45-69 & 16 & 7.1 & \[
\begin{aligned}
& 2.4- \\
& 11.9
\end{aligned}
\] & 3 & 2.6 & 0.0-5.6 & 19 & 6.2 & \[
\begin{aligned}
& 2.3- \\
& 10.1
\end{aligned}
\] \\
\hline 18-69 & 43 & 6.1 & 3.5-8.6 & 20 & 4.8 & 2.5-7.1 & 63 & 5.8 & 3.6-7.9 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: A1, A2, A5, A10a-g, A11
- Epi Info program name: Aunrecorded (unweighted); AunrecordedWT (weighted)

\section*{Fruit and Vegetable Consumption}
```

Mean
number of
days of fruit
and
vegetable
consumption
Description: mean number of days fruit and vegetables consumed.
Instrument questions:

- In a typical week, on how many days do you eat fruit?
- In a typical week, on how many days do you eat vegetables?

```
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean number of days fruit consumed in a typical week} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean number of days & 95\% CI & n & Mean number of days & 95\% CI & n & Mean number of days & 95\% CI \\
\hline 18-44 & 589 & 3.1 & 2.8-3.3 & 988 & 3.2 & 3.0-3.4 & 1577 & 3.1 & 3.0-3.3 \\
\hline 45-69 & 465 & 3.7 & 3.4-4.1 & 590 & 3.8 & 3.5-4.0 & 1055 & 3.8 & 3.6-4.0 \\
\hline 18-69 & 1054 & 3.3 & 3.1-3.5 & 1578 & 3.4 & 3.2-3.5 & 2632 & 3.3 & 3.2-3.4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean number of days vegetables consumed in a typical week} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & Mean number of days & 95\% CI & n & Mean number of days & 95\% CI & n & Mean number of days & 95\% CI \\
\hline 18-44 & 595 & 4.7 & 4.5-4.9 & 995 & 5.1 & 4.9-5.2 & 1590 & 4.9 & 4.7-5.0 \\
\hline 45-69 & 466 & 4.6 & 4.3-4.8 & 592 & 5.0 & 4.8-5.3 & 1058 & 4.8 & 4.6-5.0 \\
\hline 18-69 & 1061 & 4.7 & 4.5-4.8 & 1587 & 5.0 & 4.9-5.2 & 2648 & 4.8 & 4.7-5.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: D1, D3
- Epi Info program name: Ddays (unweighted); DdaysWT (weighted)
number of servings of fruit and vegetable consumption

Mean Description: mean number of fruit, vegetable, and combined fruit and vegetable servings on average per day.

Instrument questions:
- In a typical week, on how many days do you eat fruit?
- How many servings of fruit do you eat on one of those days?
- In a typical week, on how many days do you eat vegetables?
- How many servings of vegetables do you eat on one of those days?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean number of servings of fruit on average per day} \\
\hline \multicolumn{4}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & Mean
number of serving & 95\% CI & n & Mean number of servings & 95\% CI & n & Mean number of servings & 95\% CI \\
\hline 18-44 & 587 & 0.9 & 0.8-1.1 & 985 & 0.9 & 0.8-1.0 & 1572 & 0.9 & 0.8-1.0 \\
\hline 45-69 & 465 & 1.0 & 0.9-1.1 & 590 & 1.0 & 0.9-1.2 & 1055 & 1.0 & 0.9-1.1 \\
\hline 18-69 & 1052 & 1.0 & 0.8-1.1 & 1575 & 0.9 & 0.9-1.0 & 2627 & 0.9 & 0.9-1.0 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean number of servings of vegetables on average per day} \\
\hline \multicolumn{4}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & Mean number of serving & 95\% CI & n & Mean number of & 95\% CI & n & Mean number of servings & 95\% CI \\
\hline 18-44 & 592 & 1.3 & 1.2-1.4 & 995 & 1.3 & 1.2-1.4 & 1587 & 1.3 & 1.2-1.4 \\
\hline 45-69 & 466 & 1.2 & 1.1-1.3 & 592 & 1.3 & 1.2-1.5 & 1058 & 1.3 & 1.2-1.4 \\
\hline 18-69 & 1058 & 1.3 & 1.2-1.4 & 1587 & 1.3 & 1.2-1.4 & 2645 & 1.3 & 1.2-1.4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean number of servings of fruit and/or vegetables on average per day} \\
\hline \multicolumn{4}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & Mean number of serving & 95\% CI & n & Mean number of servings & 95\% CI & n & Mean number of servings & 95\% CI \\
\hline 18-44 & 594 & 2.2 & 2.0-2.5 & 998 & 2.2 & 2.1-2.3 & 1592 & 2.2 & 2.1-2.3 \\
\hline 45-69 & 466 & 2.2 & 2.1-2.4 & 594 & 2.4 & 2.2-2.6 & 1060 & 2.3 & 2.2-2.4 \\
\hline 18-69 & 1060 & 2.2 & 2.0-2.4 & 1592 & 2.2 & 2.1-2.3 & 2652 & 2.2 & 2.1-2.3 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: D1, D2, D3, D4
- Epi Info program name: Dservings (unweighted); DservingsWT (weighted)

Fruit and Description: Frequency of fruit and/or vegetable consumption.
vegetable consumption per day

Instrument questions:
- In a typical week, on how many days do you eat fruit?
- How many servings of fruit do you eat on one of those days?
- In a typical week, on how many days do you eat vegetables?
- How many servings of vegetables do you eat on one of those days?
\begin{tabular}{|cccccccccc|}
\hline \multicolumn{10}{c|}{ Number of servings of fruit and/or vegetables on average per day } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% no fruit \\
and/or \\
vegetables
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c}
\(\%\) 1-2 \\
servings
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c}
\(\%\) 3-4 \\
servings
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c}
\(\%\) \\
servings
\end{tabular} & \(95 \% \mathrm{CI}\) \\
\hline \(18-44\) & 594 & 19.3 & \(15.0-23.7\) & 54.9 & \(48.7-61.1\) & 18.5 & \(13.6-23.3\) & 7.3 & \(3.6-11.0\) \\
\(45-69\) & 466 & 15.5 & \(11.2-19.8\) & 60.3 & \(55.0-65.6\) & 17.7 & \(13.2-22.2\) & 6.5 & \(4.0-9.0\) \\
\hline \(\mathbf{1 8 - 6 9}\) & 1060 & 18.2 & \(14.6-21.8\) & 56.6 & \(51.8-61.3\) & 18.2 & \(14.1-22.4\) & 7.0 & \(4.5-9.6\) \\
\hline
\end{tabular}
\begin{tabular}{|cccccccccc|}
\hline \multicolumn{10}{c|}{ Number of servings of fruit and/or vegetables on average per day } \\
\hline \begin{tabular}{cccccccccc|} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% no fruit \\
and/or \\
vegetables
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c}
\(\%\) 1-2 \\
servings
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c}
\(\%\) \\
\% 3-4 \\
servings
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c}
\(\%\) \\
servings
\end{tabular} & \(95 \% \mathrm{CI}\) \\
\hline \(18-44\) & 998 & 17.0 & \(14.0-19.9\) & 61.1 & \(57.2-65.1\) & 16.7 & \(13.6-19.8\) & 5.2 & \(3.5-7.0\) \\
\(45-69\) & 594 & 13.6 & \(9.4-17.8\) & 58.3 & \(52.6-64.0\) & 21.1 & \(16.4-25.8\) & 7.0 & \(4.4-9.6\) \\
\hline \(\mathbf{1 8}-69\) & 1592 & 15.9 & \(13.6-18.2\) & 60.2 & \(57.0-63.4\) & 18.1 & \(15.3-20.9\) & 5.8 & \(4.3-7.3\) \\
\hline
\end{tabular}
\begin{tabular}{|cccccccccc|}
\hline \multicolumn{10}{c|}{ Number of servings of fruit and/or vegetables on average per day } \\
\hline \begin{tabular}{cccccccccc|} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% no fruit \\
and/or \\
vegetables
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c}
\(\%\) 1-2 \\
servings
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c}
\(\% ~ 3-4\) \\
servings
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c}
\(\%\) \\
servings
\end{tabular} & \(95 \% \mathrm{CI}\) \\
\hline \(18-44\) & 1592 & 18.2 & \(15.6-20.8\) & 57.9 & \(54.1-61.7\) & 17.6 & \(14.3-20.9\) & 6.3 & \(4.3-8.3\) \\
\(45-69\) & 1060 & 14.6 & \(11.2-18.0\) & 59.3 & \(55.3-63.3\) & 19.4 & \(15.6-23.2\) & 6.7 & \(4.8-8.6\) \\
\hline \(\mathbf{1 8}-69\) & 2652 & 17.1 & \(14.9-19.3\) & 58.3 & \(55.2-61.5\) & 18.2 & \(15.1-21.2\) & 6.4 & \(5.0-7.8\) \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: D1, D2, D3, D4
- Epi Info program name: Dfiveormore (unweighted); DfiveormoreWT (weighted)

Fruit and Description: Percentage of those eating less than five servings of fruit and/or vegetable consumption per day vegetables on average per day.

Instrument questions:
- In a typical week, on how many days do you eat fruit?
- How many servings of fruit do you eat on one of those days?
- In a typical week, on how many days do you eat vegetables?
- How many servings of vegetables do you eat on one of those days?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Less than five servings of fruit and/or vegetables on average per day} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \(\%\) < five servings per day & 95\% CI & n & \(\%\) < five servings per day & 95\% CI & n & \(\%\) < five servings per day & 95\% CI \\
\hline 18-44 & 594 & 92.7 & 89.0-96.4 & 998 & 94.8 & 93.0-96.5 & 1592 & 93.7 & 91.7-95.7 \\
\hline 45-69 & 466 & 93.5 & 91.0-96.0 & 594 & 93.0 & 90.4-95.6 & 1060 & 93.3 & 91.4-95.2 \\
\hline 18-69 & 1060 & 93.0 & 90.4-95.5 & 1592 & 94.2 & 92.7-95.7 & 2652 & 93.6 & 92.2-95.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: D1, D2, D3, D4
- Epi Info program name: Dfiveormore (unweighted); DfiveormoreWT (weighted)

Adding Description: Percentage of all respondents who always or often add salt or salty salt at meal sauce to their food before eating or as they are eating.

Instrument question:
- How often do you add salt or a salty sauce such as soya sauce to your food right before you eat it or as you are eating it?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Add salt always or often before eating or when eating} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 11.9 & 9.2-14.6 & 999 & 12.4 & 9.9-14.9 & 1600 & 12.2 & 10.2-14.1 \\
\hline 45-69 & 467 & 9.9 & 6.2-13.5 & 594 & 10.5 & 6.2-14.8 & 1061 & 10.2 & 7.8-12.6 \\
\hline 18-69 & 1068 & 11.3 & 9.2-13.4 & 1593 & 11.8 & 9.6-14.0 & 2661 & 11.5 & 10.0-13.1 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Question used: D5
- Epi Info program name: Deating (unweighted); DeatingWT (weighted)

Adding Description: Percentage of all respondents who always or often add salt to their salt when cooking food when cooking or preparing foods at home.

Instrument question:
- How often is salt, salty seasoning or a salty sauce added in cooking or preparing foods in your household?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Add salt always or often when cooking or preparing food at home} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 598 & 72.6 & 67.6-77.6 & 997 & 75.2 & 71.8-78.7 & 1595 & 73.9 & 70.6-77.1 \\
\hline 45-69 & 465 & 69.2 & 64.0-74.3 & 594 & 67.3 & 62.2-72.5 & 1059 & 68.3 & 64.6-71.9 \\
\hline 18-69 & 1063 & 71.5 & 67.5-75.6 & 1591 & 72.8 & 69.8-75.7 & 2654 & 72.1 & 69.4-74.9 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Question used: D6
- Epi Info program name: Dcooking (unweighted); DcookingWT (weighted)

Salty Description: Percentage of all respondents who always or often eat processed processed food consumption foods high in salt.

Instrument question:
- How often do you eat processed food high in salt?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Always or often consume processed food high in salt} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 599 & 16.4 & 12.2-20.6 & 998 & 12.5 & 9.7-15.3 & 1597 & 14.5 & 12.0-17.0 \\
\hline 45-69 & 467 & 7.1 & 4.1-10.2 & 594 & 6.6 & 4.2-9.1 & 1061 & 6.9 & 4.9-8.8 \\
\hline 18-69 & 1066 & 13.6 & 10.5-16.7 & 1592 & 10.7 & 8.6-12.7 & 2658 & 12.2 & 10.4-14.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Question used: D7
- Epi Info program name: Dprocessed (unweighted); DprocessedWT (weighted)

Salt Description: Percentage of all respondents who think they consume far too consumption much or too much salt.

Instrument question:
- How much salt or salty sauce do you think you consume?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Think they consume far too much or too much salt} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 577 & 9.6 & 6.4-12.8 & 970 & 9.9 & 7.2-12.6 & 1547 & 9.7 & 7.6-11.9 \\
\hline 45-69 & 457 & 6.0 & 3.6-8.4 & 579 & 9.8 & 5.6-14.0 & 1036 & 7.9 & 5.5-10.3 \\
\hline 18-69 & 1034 & 8.5 & 6.1-10.9 & 1549 & 9.9 & 7.8-11.9 & 2583 & 9.2 & 7.6-10.7 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{12}{|c|}{Self-reported quantity of salt consumed} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{11}{|c|}{Men} \\
\hline & n & \[
\begin{aligned}
& \% \text { Far } \\
& \text { too } \\
& \text { much }
\end{aligned}
\] & 95\% CI & \% Too
much & 95\% CI & \[
\begin{aligned}
& \text { \% Just } \\
& \text { the } \\
& \text { right } \\
& \text { amount }
\end{aligned}
\] & 95\% CI & \[
\begin{aligned}
& \text { \% Too } \\
& \text { little }
\end{aligned}
\] & 95\% CI & \[
\begin{gathered}
\text { \% Far } \\
\text { too } \\
\text { little }
\end{gathered}
\] & 95\% CI \\
\hline 18-44 & 577 & 3.4 & 1.6-5.3 & 6.2 & 3.8-8.5 & 81.5 & \[
\begin{gathered}
77.1- \\
85.9
\end{gathered}
\] & 7.8 & \[
\begin{aligned}
& 4.9- \\
& 10.7
\end{aligned}
\] & 1.1 & 0.2-2.0 \\
\hline 45-69 & 457 & 1.3 & 0.2-2.3 & 4.7 & 2.5-6.9 & 78.5 & \[
\begin{aligned}
& 74.3- \\
& 82.7 \\
& \hline
\end{aligned}
\] & 12.7 & \[
\begin{aligned}
& 9.0- \\
& 1
\end{aligned}
\] & 2.9 & 1.1-4.6 \\
\hline 18-69 & 1034 & 2.8 & 1.5-4.1 & 5.7 & 3.9-7.6 & 80.6 & \[
\begin{aligned}
& 77.2- \\
& 84.0
\end{aligned}
\] & 9.2 & \[
\begin{aligned}
& 6.9- \\
& 11.6
\end{aligned}
\] & 1.6 & 0.8-2.5 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{12}{|c|}{Self-reported quantity of salt consumed} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{11}{|c|}{Women} \\
\hline & n & \[
\begin{aligned}
& \text { \% Far } \\
& \text { too } \\
& \text { much }
\end{aligned}
\] & 95\% CI & \% Too much & 95\% CI & \% Just the right amount & 95\% CI & \% Too little & 95\% CI & \[
\begin{aligned}
& \text { \% Far } \\
& \text { too } \\
& \text { little }
\end{aligned}
\] & 95\% CI \\
\hline 18-44 & 970 & 1.4 & 0.7-2.2 & 8.5 & \[
\begin{aligned}
& 5.9- \\
& 11.0
\end{aligned}
\] & 80.9 & \[
\begin{aligned}
& \hline 77.7- \\
& 84.2
\end{aligned}
\] & 7.5 & 5.6-9.4 & 1.7 & 0.8-2.6 \\
\hline 45-69 & 579 & 2.0 & 0.3-3.8 & 7.8 & \[
\begin{aligned}
& 4.0- \\
& 11.6
\end{aligned}
\] & 75.0 & \[
\begin{aligned}
& 70.2- \\
& 79.9
\end{aligned}
\] & 12.5 & \[
\begin{aligned}
& 9.3- \\
& 15.7 \\
& \hline
\end{aligned}
\] & 2.7 & 1.2-4.1 \\
\hline 18-69 & 1549 & 1.6 & 0.9-2.4 & 8.2 & \[
\begin{aligned}
& \hline 6.3- \\
& 10.2 \\
& \hline
\end{aligned}
\] & 79.1 & \[
\begin{aligned}
& \hline 76.6- \\
& 81.6 \\
& \hline
\end{aligned}
\] & 9.1 & \[
\begin{aligned}
& 7.3 \\
& 10.9
\end{aligned}
\] & 2.0 & 1.2-2.8 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{12}{|c|}{Self-reported quantity of salt consumed} \\
\hline \multicolumn{12}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \[
\begin{aligned}
& \% \text { Far } \\
& \text { too } \\
& \text { much }
\end{aligned}
\] & 95\% CI & \% Too much & 95\% CI & \[
\begin{gathered}
\text { \% Just } \\
\text { the } \\
\text { right } \\
\text { amount }
\end{gathered}
\] & 95\% CI & \% Too little & 95\% CI & \[
\begin{aligned}
& \text { \% Far } \\
& \text { too } \\
& \text { little }
\end{aligned}
\] & 95\% CI \\
\hline 18-44 & 1547 & 2.5 & 1.4-3.5 & 7.3 & 5.5-9.0 & 81.2 & \[
\begin{aligned}
& 78.4- \\
& 84.0
\end{aligned}
\] & 7.6 & 5.9-9.3 & 1.4 & 0.7-2.1 \\
\hline 45-69 & 1036 & 1.6 & 0.6-2.6 & 6.2 & 4.0-8.5 & 76.8 & \[
\begin{aligned}
& 73.7- \\
& 79.8 \\
& \hline
\end{aligned}
\] & 12.6 & \[
\begin{aligned}
& 10.2- \\
& 15.0 \\
& \hline
\end{aligned}
\] & 2.8 & 1.6-4.0 \\
\hline 18-69 & 2583 & 2.2 & 1.5-3.0 & 6.9 & 5.6-8.3 & 79.9 & \[
\begin{gathered}
77.9- \\
81.8
\end{gathered}
\] & 9.2 & \[
\begin{aligned}
& 7.7- \\
& 10.6 \\
& \hline
\end{aligned}
\] & 1.8 & 1.2-2.4 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Question used: D8
- Epi Info program name: Dsaltquantity (unweighted); DsaltquantityWT (weighted)

Lowering Description: Percentage of respondents who think lowering salt in diet is very, salt somewhat or not at all important.

Instrument question:
- How important to you is lowering the salt in your diet?
\begin{tabular}{|cccccccc|}
\hline \multicolumn{7}{|c|}{ Importance of lowering salt in diet } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% Very \\
important
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
Men \\
Somewhat \\
important
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
\% \\
Not at all \\
important
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 563 & 64.3 & \(57.7-70.9\) & 19.1 & \(14.9-23.3\) & 16.6 & \(12.1-21.1\) \\
\(45-69\) & 450 & 74.3 & \(69.1-79.5\) & 14.8 & \(11.4-18.2\) & 10.9 & \(6.1-15.8\) \\
\hline \(\mathbf{1 8 - 6 9}\) & 1013 & 67.3 & \(61.8-72.8\) & 17.8 & \(14.8-20.8\) & 14.9 & \(10.9-18.9\) \\
\hline
\end{tabular}
\begin{tabular}{|cccccccc|}
\hline \multicolumn{8}{|c|}{ Importance of lowering salt in diet } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% Very \\
important
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
Women \\
\% \\
Somewhat \\
important
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
\% \\
Not at all \\
important
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 966 & 71.0 & \(66.8-75.3\) & 17.5 & \(14.1-20.9\) & 11.5 & \(8.5-14.5\) \\
\(45-69\) & 584 & 82.0 & \(77.5-86.6\) & 12.6 & \(8.4-16.8\) & 5.4 & \(3.1-7.6\) \\
\hline \(\mathbf{1 8 - 6 9}\) & 1550 & 74.6 & \(71.5-77.6\) & 15.9 & \(13.1-18.7\) & 9.5 & \(7.4-11.7\) \\
\hline
\end{tabular}
\begin{tabular}{|cccccccc|}
\hline \multicolumn{7}{|c|}{ Importance of lowering salt in diet } \\
\hline \begin{tabular}{c} 
Age \\
Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% Very \\
important
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
Both Sexes \\
Somewhat \\
important
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
Not at all \\
important
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 1529 & 67.6 & \(63.7-71.4\) & 18.3 & \(15.6-21.0\) & 14.1 & \(11.4-16.8\) \\
\(45-69\) & 1034 & 78.2 & \(74.1-82.2\) & 13.7 & \(11.2-16.2\) & 8.1 & \(5.4-10.8\) \\
\hline \(\mathbf{1 8 - 6 9}\) & 2563 & 70.9 & \(67.5-74.3\) & 16.9 & \(14.7-19.1\) & 12.2 & \(10.0-14.5\) \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Question used: D9
- Epi Info program name: Dlower (unweighted); DlowerWT (weighted)

Salt Description: Percentage of respondents who think consuming too much salt could knowledge cause a serious health problem.

Instrument question:
- Do you think that too much salt or salty sauce in your diet could cause a health problem?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Think consuming too much salt could cause serious health problem} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 82.3 & 77.8-86.8 & 1000 & 90.4 & 87.5-93.3 & 1601 & 86.2 & 83.3-89.0 \\
\hline 45-69 & 467 & 89.9 & 85.7-94.1 & 594 & 94.7 & 92.5-96.8 & 1061 & 92.2 & 89.8-94.6 \\
\hline 18-69 & 1068 & 84.5 & 80.6-88.4 & 1594 & 91.7 & 89.7-93.8 & 2662 & 88.0 & 85.7-90.3 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Question used: D10
- Epi Info program name: Dhealth (unweighted); DhealthWT (weighted)

Controlling Description: Percentage of respondents who take specific action on a regular salt intake basis to control salt intake.

Instrument question:
- Do you do any of the following on a regular basis to control your salt intake?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Limit consumption of processed foods} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 58.6 & 53.4-63.8 & 1000 & 65.1 & 61.2-69.1 & 1601 & 61.7 & 58.6-64.8 \\
\hline 45-69 & 467 & 63.9 & 56.6-71.2 & 594 & 71.5 & 66.7-76.4 & 1061 & 67.7 & 63.5-71.8 \\
\hline 18-69 & 1068 & 60.2 & 55.2-65.1 & 1594 & 67.1 & 63.8-70.5 & 2662 & 63.5 & 60.8-66.3 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Look at the salt or sodium content on food labels} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & \(95 \% \mathrm{Cl}\) & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 32.4 & 26.5-38.3 & 1000 & 43.7 & 39.7-47.7 & 1601 & 37.8 & 34.0-41.6 \\
\hline 45-69 & 467 & 40.1 & 33.8-46.4 & 594 & 51.3 & 46.1-56.6 & 1061 & 45.6 & 41.1-50.2 \\
\hline 18-69 & 1068 & 34.7 & 29.8-39.7 & 1594 & 46.1 & 43.1-49.1 & 2662 & 40.2 & 37.0-43.4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Buy low salt/sodium alternatives} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 29.0 & 23.7-34.4 & 1000 & 37.6 & 33.6-41.6 & 1601 & 33.1 & 29.7-36.6 \\
\hline 45-69 & 467 & 38.4 & 32.0-44.7 & 594 & 45.1 & 39.8-50.4 & 1061 & 41.7 & 37.0-46.4 \\
\hline 18-69 & 1068 & 31.8 & 27.1-36.5 & 1594 & 40.0 & 36.8-43.2 & 2662 & 35.8 & 32.7-38.9 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Use spices other than salt when cooking} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 60.1 & 54.9-65.3 & 1000 & 68.1 & 64.7-71.6 & 1601 & 63.9 & 60.8-67.1 \\
\hline 45-69 & 467 & 57.4 & 51.7-63.1 & 594 & 65.6 & 60.3-70.9 & 1061 & 61.4 & 57.4-65.5 \\
\hline 18-69 & 1068 & 59.3 & 55.3-63.2 & 1594 & 67.3 & 64.3-70.4 & 2662 & 63.2 & 60.7-65.6 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Avoid eating foods prepared outside of a home} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% Cl & n & \% & \(95 \% \mathrm{Cl}\) \\
\hline 18-44 & 601 & 49.4 & 44.4-54.4 & 1000 & 61.4 & 56.8-66.0 & 1601 & 55.1 & 51.6-58.6 \\
\hline 45-69 & 467 & 62.4 & 55.2-69.6 & 594 & 72.6 & 68.1-77.1 & 1061 & 67.4 & 63.2-71.7 \\
\hline 18-69 & 1068 & 53.3 & 49.2-57.3 & 1594 & 64.9 & 61.5-68.3 & 2662 & 58.9 & 56.3-61.5 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Do other things specifically to control your salt intake} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 11.6 & 8.7-14.6 & 1000 & 10.0 & 7.7-12.3 & 1601 & 10.9 & 8.8-12.9 \\
\hline 45-69 & 467 & 12.4 & 8.6-16.2 & 594 & 15.0 & 11.3-18.7 & 1061 & 13.7 & 11.0-16.4 \\
\hline 18-69 & 1068 & 11.9 & 9.6-14.1 & 1594 & 11.6 & 9.6-13.5 & 2662 & 11.7 & 10.2-13.3 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: D11a-f
- Epi Info program name: Dcontrol (unweighted); DcontrolWT (weighted)


Instrument question:
- What type of oil or fat is most often used for meal preparation in your household?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{9}{|c|}{Type of oil or fat most often used for meal preparation in household} \\
\hline (house -holds) & \% Vegetable oil & 95\% CI & \% Lard & 95\% Cl & \% Butter & 95\% Cl & \% Margarine & 95\% CI \\
\hline 26 & 92.6 & 91.2-94.0 & 0.1 & 0.0-0.3 & 0.2 & 0.0-0.5 & 0.2 & 0.0-0.4 \\
\hline
\end{tabular}
\begin{tabular}{|ccccccc|}
\hline \multicolumn{7}{c|}{ Type of oil or fat most often used for meal preparation in household } \\
\hline \begin{tabular}{c}
n \\
(house \\
-holds)
\end{tabular} & \% none in particular & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
\% None \\
used
\end{tabular} & \(95 \% \mathrm{Cl}\) & \% Other & \(95 \% \mathrm{Cl}\) \\
\hline \(\mathbf{2 6}\) & - & - & - & - & 6.0 & \(4.7-7.3\) \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Question used: D12
- Epi Info program name: Doil (unweighted); DoilWT (weighted)

Eating Description: Mean number of meals per week eaten outside a home.
outside
home

Instrument question:
- On average, how many meals per week do you eat that were not prepared at a home? By meal, I mean breakfast, lunch and dinner.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean number of meals eaten outside a home} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & mean & 95\% CI & n & mean & 95\% CI & n & mean & 95\% CI \\
\hline 18-44 & 591 & 2.3 & 591 & 978 & 1.2 & 978 & 1569 & 1.8 & 1569 \\
\hline 45-69 & 461 & 1.0 & 461 & 585 & 0.9 & 585 & 1046 & 0.9 & 1046 \\
\hline 18-69 & 1052 & 1.9 & 1052 & 1563 & 1.1 & 1563 & 2615 & 1.5 & 2615 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Question used: D13
- Epi Info program name: Dmealsout (unweighted); DmealsoutWT (weighted)

\section*{Physical Activity}

Introduction A population's physical activity (or inactivity) can be described in different ways. The two most common ways are
(1) to estimate a population's mean or median physical activity using a continuous indicator such as MET-minutes per week or time spent in physical activity, and
(2) to classify certain percentages of a population in specific groups by setting up cut-points for a specific amount of physical activity.

When analyzing GPAQ data, both continuous as well as categorical indicators are used.

Metabolic Equivalent (MET)

METs (Metabolic Equivalents) are commonly used to express the intensity of physical activities, and are also used for the analysis of GPAQ data.

Applying MET values to activity levels allows us to calculate total physical activity. MET is the ratio of a person's working metabolic rate relative to the resting metabolic rate. One MET is defined as the energy cost of sitting quietly, and is equivalent to a caloric consumption of \(1 \mathrm{kcal} / \mathrm{kg} / \mathrm{hour}\). For the analysis of GPAQ data, existing guidelines have been adopted: It is estimated that, compared to sitting quietly, a person's caloric consumption is four times as high when being moderately active, and eight times as high when being vigorously active.

Therefore, for the calculation of a person's total physical activity using GPAQ data, the following MET values are used:
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Domain } & \multicolumn{1}{c|}{ MET value } \\
\hline Work & \begin{tabular}{l}
\(\bullet\) Moderate MET value \(=4.0\) \\
\(\bullet\) Vigorous MET value \(=8.0\)
\end{tabular} \\
\hline Transport & Cycling and walking MET value \(=4.0\) \\
\hline Recreation & \begin{tabular}{l}
\(\bullet\) Moderate MET value \(=4.0\) \\
\\
\(\bullet\)
\end{tabular} Vigorous MET value \(=8.0\) \\
\hline
\end{tabular}

WHO For the calculation of the categorical indicator on the recommended amount of global physical activity for health, the total time spent in physical activity during a recommendations on physical activity for health
typical week and the intensity of the physical activity are taken into account.
Throughout a week, including activity for work, during transport and leisure time, adults should do at least
- 150 minutes of moderate-intensity physical activity OR
- 75 minutes of vigorous-intensity physical activity OR
- An equivalent combination of moderate- and vigorous-intensity physical activity achieving at least 600 MET-minutes.

Former recommendations for comparison purposes

For comparison purposes, tables presenting cut-offs from former recommendations are also included in GPAQ data analysis.

The three levels of physical activity suggested for classifying populations were low, moderate, and high. The criteria for these levels are shown below.

\section*{- High}

A person reaching any of the following criteria is classified in this category:
- Vigorous-intensity activity on at least 3 days achieving a minimum of at least 1,500 MET-minutes/week OR
- 7 or more days of any combination of walking, moderate- or vigorousintensity activities achieving a minimum of at least 3,000 MET-minutes per week.

\section*{- Moderate}

A person not meeting the criteria for the "high" category, but meeting any of the following criteria is classified in this category:
- 3 or more days of vigorous-intensity activity of at least 20 minutes per day OR
- 5 or more days of moderate-intensity activity or walking of at least 30 minutes per day OR
- 5 or more days of any combination of walking, moderate- or vigorousintensity activities achieving a minimum of at least 600 MET-minutes per week.

\section*{- Low}

A person not meeting any of the above mentioned criteria falls in this category.
\begin{tabular}{ll} 
Not & Description: Percentage of respondents not meeting WHO recommendations on \\
meeting & physical activity for health (respondents doing less than 150 minutes of \\
WHO & moderate-intensity physical activity per week, or equivalent). \\
\begin{tabular}{ll} 
recommen- \\
dations on \\
physical
\end{tabular} & Instrument questions \\
activity for & • activity at work \\
health & - travel to and from places \\
& \(\bullet\) recreational activities
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Not meeting WHO recommendations on physical activity for health} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% not meeting recs & 95\% CI & n & \% not meeting recs & 95\% CI & n & \% not meeting recs & 95\% CI \\
\hline 18-44 & 584 & 16.4 & 12.4-20.4 & 985 & 39.6 & 35.7-43.6 & 1569 & 27.6 & 24.5-30.6 \\
\hline 45-69 & 463 & 24.4 & 18.5-30.3 & 584 & 42.3 & 37.0-47.6 & 1047 & 33.2 & 29.3-37.2 \\
\hline 18-69 & 1047 & 18.9 & 15.3-22.4 & 1569 & 40.5 & 37.4-43.5 & 2616 & 29.3 & 26.9-31.8 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: P1-P15b
- Epi Info program name: Pnotmeetingrecs (unweighted); PnotmeetingrecsWT (weighted)
\begin{tabular}{ll}
\begin{tabular}{l} 
Levels of \\
total
\end{tabular} & \begin{tabular}{l} 
Description: Percentage of respondents classified into three categories of total \\
physical
\end{tabular} \\
\begin{tabular}{ll} 
activity
\end{tabular} & Instrument questions: \\
according & • activity at work \\
to former & - travel to and from places \\
recommen- & - recreational activities \\
dations &
\end{tabular}
\begin{tabular}{|cccccccc|}
\hline \multicolumn{8}{|c|}{ Level of total physical activity according to former recommendations } \\
\hline \multirow{11}{*}{\begin{tabular}{c} 
Age Group \\
(years)
\end{tabular}} & n & \% Low & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
Men \\
Moderate
\end{tabular} & \(95 \% \mathrm{Cl}\) & \(\%\) High & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 584 & 21.4 & \(17.3-25.5\) & 11.0 & \(7.5-14.5\) & 67.6 & \(63.4-71.8\) \\
\(45-69\) & 463 & 31.3 & \(23.7-38.9\) & 15.0 & \(11.3-18.7\) & 53.7 & \(46.2-61.2\) \\
\hline \(\mathbf{1 8}-69\) & 1047 & 24.4 & \(20.4-28.5\) & 12.2 & \(9.4-15.0\) & 63.4 & \(59.6-67.1\) \\
\hline
\end{tabular}
\begin{tabular}{|cccccccc|}
\hline \multicolumn{9}{|c|}{ Level of total physical activity according to former recommendations } \\
\hline \multirow{10}{*}{\begin{tabular}{c} 
Age Group \\
(years)
\end{tabular}} & n & \% Low & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
Women \\
Moderate
\end{tabular} & \(95 \% \mathrm{Cl}\) & \(\%\) High & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 985 & 46.9 & \(42.6-51.1\) & 20.9 & \(17.5-24.3\) & 32.3 & \(28.6-36.0\) \\
\(45-69\) & 584 & 46.4 & \(41.1-51.8\) & 17.2 & \(13.0-21.4\) & 36.4 & \(31.0-41.7\) \\
\hline \(\mathbf{1 8 - 6 9}\) & 1569 & 46.7 & \(43.5-50.0\) & 19.7 & \(17.0-22.5\) & 33.5 & \(30.7-36.4\) \\
\hline
\end{tabular}
\begin{tabular}{|cccccccc|}
\hline \multicolumn{8}{|c|}{ Level of total physical activity according to former recommendations } \\
\hline \multirow{2}{*}{\begin{tabular}{c} 
Age Group \\
(years)
\end{tabular}} & n & \% Low & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
Both Sexes \\
\%
\end{tabular} \\
\hline \(18-44\) & 1569 & 33.6 & \(30.5-36.8\) & 15.7 & \(13.1-18.4\) & 50.6 & \(47.6-53.7\) \\
\(45-69\) & 1047 & 38.8 & \(34.3-43.2\) & 16.1 & \(13.3-18.8\) & 45.1 & \(40.9-49.3\) \\
\hline \(\mathbf{1 8 - 6 9}\) & 2616 & 35.2 & \(32.5-38.0\) & 15.8 & \(13.6-18.1\) & 48.9 & \(46.5-51.4\) \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: P1-P15b
- Epi Info program name: Ptotallevels (unweighted); PtotallevelsWT (weighted)

Total Description: Mean minutes of total physical activity on average per day.
physical
activity- Instrument questions
mean - activity at work
- travel to and from places
- recreational activities
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean minutes of total physical activity on average per day} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean minutes & 95\% CI & n & Mean minutes & 95\% CI & n & Mean minutes & 95\% CI \\
\hline 18-44 & 584 & 324.6 & 296.9-352.2 & 985 & 128.0 & \[
\begin{gathered}
112.7- \\
143.4
\end{gathered}
\] & 1569 & 230.3 & 212.9-247.6 \\
\hline 45-69 & 463 & 222.4 & 187.0-257.7 & 584 & 140.0 & \[
\begin{gathered}
115.5- \\
164.5
\end{gathered}
\] & 1047 & 181.8 & 161.5-202.0 \\
\hline 18-69 & 1047 & 293.6 & 271.7-315.6 & 1569 & 131.8 & \[
\begin{aligned}
& 118.5- \\
& 145.0
\end{aligned}
\] & 2616 & 215.3 & 202.2-228.4 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: P1-P15b
- Epi Info program name: Ptotal (unweighted); PtotalWT (weighted)

Total Description: Median minutes of total physical activity on average per day. physical activity- Instrument questions
median - activity at work
- travel to and from places
- recreational activities
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Median minutes of total physical activity on average per day} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & Median minutes & Inter-quartile range (P25P75) & n & Median minutes & Inter-quartile range (P25P75) & n & Median minutes & \begin{tabular}{c} 
Inter- \\
quartile \\
range (P25- \\
P75) \\
\hline
\end{tabular} \\
\hline 18-44 & 584 & 268.6 & 60.0-482.9 & 985 & 40.0 & 1.4-180.0 & 1569 & 124.3 & 15.0-375.0 \\
\hline 45-69 & 463 & 120.0 & 22.9-342.9 & 584 & 34.3 & 0.0-180.0 & 1047 & 85.7 & 8.6-280.7 \\
\hline 18-69 & 1047 & 220.0 & 36.4-454.3 & 1569 & 38.6 & 0.0-180.0 & 2616 & 106.4 & 12.9-342.9 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: P1-P15b
- Epi Info program name: Ptotal (unweighted); PtotalmedianWT (weighted)

Domain- Description: Mean minutes spent in work-, transport- and recreation-related
specific physical activitymean
physical activity on average per day.
Instrument questions:
- activity at work
- travel to and from places
- recreational activities
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean minutes of work-related physical activity on average per day} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean
minutes & 95\% CI & n & Mean minutes & 95\% CI & n & Mean minutes & 95\% CI \\
\hline 18-44 & 584 & 232.4 & 209.4-255.5 & 985 & 90.6 & \[
\begin{aligned}
& \hline 77.9- \\
& 103.4
\end{aligned}
\] & 1569 & 164.4 & 149.3-179.5 \\
\hline 45-69 & 463 & 159.6 & 130.9-188.2 & 584 & 97.8 & \[
\begin{aligned}
& 79.7- \\
& 115.9 \\
& \hline
\end{aligned}
\] & 1047 & 129.2 & 113.6-144.7 \\
\hline 18-69 & 1047 & 210.4 & 193.3-227.4 & 1569 & 92.9 & \[
\begin{aligned}
& 82.2- \\
& 103.6 \\
& \hline
\end{aligned}
\] & 2616 & 153.5 & 142.3-164.7 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean minutes of transport-related physical activity on average per day} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean minutes & 95\% CI & n & Mean minutes & 95\% CI & n & Mean minutes & 95\% CI \\
\hline 18-44 & 584 & 55.0 & 43.7-66.4 & 985 & 29.0 & 23.9-34.2 & 1569 & 42.5 & 35.9-49.2 \\
\hline 45-69 & 463 & 41.4 & 33.7-49.0 & 584 & 34.5 & 26.5-42.6 & 1047 & 38.0 & 32.1-44.0 \\
\hline 18-69 & 1047 & 50.9 & 42.0-59.7 & 1569 & 30.8 & 26.5-35.0 & 2616 & 41.1 & 35.9-46.4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean minutes of recreation-related physical activity on average per day} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean minutes & 95\% CI & n & Mean minutes & 95\% CI & n & Mean minutes & 95\% CI \\
\hline 18-44 & 584 & 37.1 & 28.0-46.2 & 985 & 8.4 & 5.9-10.9 & 1569 & 23.3 & 18.4-28.2 \\
\hline 45-69 & 463 & 21.4 & 13.2-29.6 & 584 & 7.6 & 3.3-11.9 & 1047 & 14.6 & 9.7-19.5 \\
\hline 18-69 & 1047 & 32.4 & 25.5-39.2 & 1569 & 8.1 & 6.0-10.3 & 2616 & 20.7 & 16.9-24.4 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: P1-P15b
- Epi Info program name: Psetspecific (unweighted); PsetspecificWT (weighted)

Domain- Description: Median minutes spent on average per day in work-, transport- and specific physical median
activity - Instrument questions:

Description: Median minutes spent
recreation-related physical activity.
- activity at work
- travel to and from places
- recreational activities
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Median minutes of work-related physical activity on average per day} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & Median minutes & Inter-
quartile
range
(P25-P75) & n & Median minutes & Inter-
quartile
range
(P25-P75) & n & Median minutes & Inter-
quartile
range
(P25-P75) \\
\hline 18-44 & 584 & 171.4 & 0.0-411.4 & 985 & 0.0 & 0.0-120.0 & 1569 & 38.6 & 0.0-300.0 \\
\hline 45-69 & 463 & 36.4 & 0.0-261.4 & 584 & 0.0 & 0.0-130.0 & 1047 & 17.1 & 0.0-210.0 \\
\hline 18-69 & 1047 & 120.0 & 0.0-1440.0 & 1569 & 0.0 & 0.0-122.0 & 2616 & 30.0 & 0.0-260.0 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Median minutes of transport-related physical activity on average per day} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & Median minutes & Inter-
quartile range (P25-P75) & n & Median minutes & Inter-
quartile
range
(P25-P75) & n & Median minutes & Inter-
quartile
range
(P25-P75) \\
\hline 18-44 & 584 & 15.0 & 0.0-60.0 & 985 & 7.1 & 0.0-30.0 & 1569 & 10.0 & 0.0-40.0 \\
\hline 45-69 & 463 & 15.0 & 0.0-53.6 & 584 & 5.7 & 0.0-32.1 & 1047 & 10.0 & 0.0-42.9 \\
\hline 18-69 & 1047 & 15.0 & 0.0-60.0 & 1569 & 7.1 & 0.0-30.0 & 2616 & 10.0 & 0.0-42.9 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Median minutes of recreation-related physical activity on average per day} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|l|}{Both Sexes} \\
\hline Age Group (years) & n & Median minutes & Inter-
quartile
range
(P25-P75) & n & Median minutes & \(\qquad\) & n & Median minutes & Inter-
quartile
range
(P25-P75) \\
\hline 18-44 & 584 & 0.0 & 0.0-42.9 & 985 & 0.0 & 0.0-0.0 & 1569 & 0.0 & 0.0-15.0 \\
\hline 45-69 & 463 & 0.0 & 0.0-6.4 & 584 & 0.0 & 0.0-0.0 & 1047 & 0.0 & 0.0-0.0 \\
\hline 18-69 & 1047 & 0.0 & 0.0-30.0 & 1569 & 0.0 & 0.0-0.0 & 2616 & 0.0 & 0.0-6.4 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: P1-P15b
- Epi Info program name: Psetspecific (unweighted); PsetspecificmedianWT (weighted)
\begin{tabular}{ll} 
No & Description: Percentage of respondents classified as doing no work-, transport- or \\
physical \\
activity \\
by & recreational-related physical activity. \\
domain & Instrument questions: \\
& • activity at work \\
& • travel to and from places \\
& • recreational activities
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{No work-related physical activity} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% no
activity at work & 95\% CI & n & \% no activity at work & 95\% CI & n & \% no activity at work & 95\% CI \\
\hline 18-44 & 584 & 33.0 & 28.3-37.7 & 985 & 53.5 & 49.3-57.7 & 1569 & 42.8 & 39.6-46.1 \\
\hline 45-69 & 463 & 39.6 & 33.6-45.7 & 584 & 50.9 & 45.6-56.2 & 1047 & 45.2 & 40.8-49.5 \\
\hline 18-69 & 1047 & 35.0 & 31.3-38.8 & 1569 & 52.7 & 49.4-56.0 & 2616 & 43.6 & 40.9-46.2 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{No transport-related physical activity} \\
\hline \multicolumn{4}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n &  & 95\% CI & n & \% no activity for transpo & 95\% CI & n & \% no activity for transpor & 95\% CI \\
\hline 18-44 & 584 & 36.1 & 28.7-43.4 & 985 & 42.0 & 37.4-46.6 & 1569 & 38.9 & 33.9-44.0 \\
\hline 45-69 & 463 & 33.4 & 26.0-40.8 & 584 & 44.9 & 39.5-50.4 & 1047 & 39.1 & 34.9-43.3 \\
\hline 18-69 & 1047 & 35.3 & 28.7-41.9 & 1569 & 42.9 & 39.4-46.4 & 2616 & 39.0 & 34.9-43.1 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{No recreation-related physical activity} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% no activity at recreation & 95\% CI & n & \% no activity at recreation & 95\% CI & n & \% no activity at recreation & 95\% CI \\
\hline 18-44 & 584 & 58.9 & 52.7-65.1 & 985 & 83.3 & \[
\begin{aligned}
& 80.3- \\
& 86.4
\end{aligned}
\] & 1569 & 70.6 & 67.3-73.9 \\
\hline 45-69 & 463 & 72.8 & 67.5-78.1 & 584 & 87.7 & \[
\begin{array}{r}
83.8- \\
91.6 \\
\hline
\end{array}
\] & 1047 & 80.1 & 76.4-83.8 \\
\hline 18-69 & 1047 & 63.1 & 58.9-67.3 & 1569 & 84.7 & \[
\begin{aligned}
& \hline 82.1- \\
& 87.2 \\
& \hline
\end{aligned}
\] & 2616 & 73.5 & 71.0-76.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: P1-P15b
- Epi Info program name: Pnoactivitybyset (unweighted); PnoactivitybysetWT (weighted)

Composition Description: Percentage of work, transport and recreational activity contributing of total physical activity Instrument questions:
- activity at work
- travel to and from places
- recreational activities
\begin{tabular}{|cccccccc|}
\hline \multicolumn{8}{c|}{ Composition of total physical activity } \\
\hline & \multicolumn{7}{c|}{\begin{tabular}{c} 
Mge Group \\
(years)
\end{tabular}} \\
\cline { 2 - 9 } & n & \begin{tabular}{c} 
\% Activity \\
from work
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
\% Activity \\
for \\
transport
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
\% Activity \\
during \\
leisure \\
time
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 522 & 58.0 & \(52.9-63.2\) & 23.7 & \(\mathbf{2 0 . 1 - 2 7 . 3}\) & 18.2 & \(\mathbf{1 4 . 9 - 2 1 . 5}\) \\
\(45-69\) & 393 & 52.6 & \(47.5-57.7\) & 35.9 & \(\mathbf{3 0 . 2 - 4 1 . 7}\) & 11.5 & \(\mathbf{7 . 2 - 1 5 . 8}\) \\
\hline \(\mathbf{1 8 - 6 9}\) & 915 & 56.4 & \(52.7-60.1\) & 27.4 & \(\mathbf{2 4 . 1 - 3 0 . 7}\) & 16.2 & \(\mathbf{1 3 . 9 - 1 8 . 5}\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Composition of total physical activity} \\
\hline & \multicolumn{7}{|c|}{Women} \\
\hline Age Group (years) & n & \% Activity from work & 95\% CI & \% Activity for transport & 95\% CI & \% Activity during leisure time & 95\% CI \\
\hline 18-44 & 752 & 48.9 & 44.6-53.1 & 43.1 & 38.9-47.3 & 8.0 & 5.9-10.1 \\
\hline 45-69 & 416 & 54.7 & 49.9-59.6 & 39.8 & 35.2-44.5 & 5.4 & 3.4-7.4 \\
\hline 18-69 & 1168 & 50.6 & 47.2-54.0 & 42.1 & 38.8-45.5 & 7.2 & 5.6-8.8 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Composition of total physical activity} \\
\hline & \multicolumn{7}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% Activity from work & 95\% CI & \% Activity for transport & 95\% CI & \% Activity during leisure time & 95\% CI \\
\hline 18-44 & 1274 & 54.0 & 50.5-57.5 & 32.3 & 29.4-35.1 & 13.7 & 11.6-15.9 \\
\hline 45-69 & 809 & 53.5 & 49.9-57.2 & 37.6 & 33.4-41.9 & 8.8 & 6.3-11.4 \\
\hline 18-69 & 2083 & 53.9 & 51.1-56.6 & 33.9 & 31.2-36.6 & 12.3 & 10.7-13.8 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: P1-P15b
- Epi Info program name: Pcomposition(unweighted); PcompositionWT (weighted)

No Description: Percentage of respondents not engaging in vigorous physical activity.
vigorous
physical activity

Instrument questions:
- activity at work
- recreational activities
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{No vigorous physical activity} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% no vigorous activity & 95\% CI & n & \% no vigorous activity & 95\% CI & n & \% no vigorous activity & 95\% CI \\
\hline 18-44 & 584 & 38.3 & 33.9-42.6 & 985 & 83.8 & 80.5-87.1 & 1569 & 60.1 & 57.0-63.2 \\
\hline 45-69 & 463 & 57.7 & 50.6-64.8 & 584 & 87.6 & 83.8-91.3 & 1047 & 72.4 & 68.3-76.5 \\
\hline 18-69 & 1047 & 44.2 & 40.4-47.9 & 1569 & 85.0 & 82.3-87.6 & 2616 & 63.9 & 61.3-66.6 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: P1-P15b
- Epi Info program name: Pnovigorous(unweighted); PnovigorousWT (weighted)

Sedentary Description: Minutes spent in sedentary activities on a typical day.
Instrument question:
- sedentary behaviour
\begin{tabular}{|cccccc|}
\hline \multicolumn{6}{c|}{ Minutes spent in sedentary activities on average per day } \\
\hline \multirow{6}{*}{\begin{tabular}{c} 
Age Group \\
(years)
\end{tabular}} & n & \begin{tabular}{c} 
Mean \\
minutes
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c} 
Median \\
minutes
\end{tabular} & \begin{tabular}{c} 
Inter-quartile \\
range \\
(P25-P75)
\end{tabular} \\
\cline { 2 - 6 } & 601 & 185.8 & \(171.7-200.0\) & \\
\hline \(18-44\) & 467 & 194.3 & \(171.9-216.7\) & \\
\hline \(45-69\) & 1068 & 188.4 & \(177.3-199.4\) & \\
\hline \(\mathbf{1 8 - 6 9}\) & & & & \\
\hline
\end{tabular}
\begin{tabular}{|cccccc|}
\hline \multicolumn{6}{c|}{ Minutes spent in sedentary activities on average per day } \\
\hline \multirow{6}{*}{\begin{tabular}{c} 
Age Group \\
(years)
\end{tabular}} & n & \begin{tabular}{c} 
Mean \\
minutes
\end{tabular} & Women \\
\cline { 2 - 6 } & 1000 & 198.5 & \(\mathbf{1 8 5 . 2 - 2 1 1 . 8}\) & \begin{tabular}{c} 
Median \\
minutes
\end{tabular} & \begin{tabular}{c} 
Inter-quartile \\
range \\
(P25-P75)
\end{tabular} \\
\hline \(18-44\) & 594 & 183.2 & \(\mathbf{1 6 7 . 2 - 1 9 9 . 1}\) & \\
\(45-69\) & 1594 & 193.7 & \(\mathbf{1 8 3 . 2 - 2 0 4 . 1}\) & \\
\hline \(\mathbf{1 8 - 6 9}\) & & & & \\
\hline
\end{tabular}
\begin{tabular}{|cccccc|}
\hline \multicolumn{6}{c|}{ Minutes spent in sedentary activities on average per day } \\
\hline \multirow{6}{*}{\begin{tabular}{c} 
Age Group \\
(years)
\end{tabular}} & n & \begin{tabular}{c} 
Mean \\
minutes
\end{tabular} & Both Sexes \\
\cline { 2 - 6 } & \(165 \% \mathrm{Cl}\) & \begin{tabular}{c} 
Median \\
minutes
\end{tabular} & \begin{tabular}{c} 
Inter-quartile \\
range \\
(P25-P75)
\end{tabular} \\
\hline \(45-69\) & 1061 & 191.9 & \(\mathbf{1 8 2 . 3 - 2 0 1 . 4}\) & \\
\hline \(\mathbf{1 8 - 6 9}\) & 2662 & 188.8 & \(\mathbf{1 7 4 . 9 - 2 0 2 . 7}\) & \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Question used : P16a-b
- Epi Info program name: Psedentary (unweighted); PsedentaryWT and PsedentarymedianWT (weighted)

\section*{History of Raised Blood Pressure}
\begin{tabular}{ll}
\begin{tabular}{l} 
Blood \\
pressure \\
measurement
\end{tabular} & \begin{tabular}{l} 
Description: Blood pressure measurement and diagnosis among all \\
respondents.
\end{tabular} \\
\begin{tabular}{ll} 
and \\
diagnosis
\end{tabular} & \begin{tabular}{c} 
Instrument questions:
\end{tabular} \\
& • Have you ever had your blood pressure measured by a doctor or other health \\
& - worker?
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Blood pressure measurement and diagnosis} \\
\hline & \multicolumn{9}{|c|}{Men} \\
\hline Age Group (years) & n & \% Never measured & 95\% CI & \% measured, not diagnosed & 95\% CI & \begin{tabular}{l}
\% \\
diagnosed, but not within past 12 months
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% \\
diagnosed within past 12 months
\end{tabular} & 95\% Cl \\
\hline 18-44 & 601 & 43.2 & \[
\begin{gathered}
35.7- \\
50.7
\end{gathered}
\] & 45.0 & \[
\begin{gathered}
38.3- \\
51.8
\end{gathered}
\] & 3.5 & 1.5-5.5 & 8.3 & 5.6-10.9 \\
\hline 45-69 & 467 & 11.8 & 8.4-15.3 & 52.7 & \[
\begin{gathered}
47.1- \\
58.3
\end{gathered}
\] & 9.7 & \[
\begin{aligned}
& 6.4- \\
& 13.0 \\
& \hline
\end{aligned}
\] & 25.8 & \[
\begin{gathered}
20.7- \\
30.9
\end{gathered}
\] \\
\hline 18-69 & 1068 & 33.8 & \[
\begin{gathered}
28.5- \\
39.1 \\
\hline
\end{gathered}
\] & 47.3 & \[
\begin{aligned}
& 42.2- \\
& 52.4 \\
& \hline
\end{aligned}
\] & 5.3 & 3.6-7.1 & 13.5 & \[
\begin{aligned}
& 11.1- \\
& 16.0 \\
& \hline
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Blood pressure measurement and diagnosis} \\
\hline \multicolumn{10}{|c|}{Women} \\
\hline Age Group (years) & n & \% Never measured & 95\% CI & \% measured, not diagnosed & 95\% Cl & diagnosed, but not within past 12 months & 95\% CI & \% diagnosed within past 12 months & 95\% CI \\
\hline 18-44 & 1000 & 17.0 & \[
\begin{aligned}
& 14.4- \\
& 19.6
\end{aligned}
\] & 65.9 & \[
\begin{aligned}
& \hline 62.3- \\
& 69.5
\end{aligned}
\] & 5.7 & 3.8-7.7 & 11.3 & 8.9-13.8 \\
\hline 45-69 & 594 & 6.7 & 4.4-9.0 & 46.9 & \[
\begin{aligned}
& 41.6- \\
& 52.2
\end{aligned}
\] & 10.8 & \[
\begin{aligned}
& 7.4- \\
& 14.2
\end{aligned}
\] & 35.6 & \[
\begin{gathered}
30.5- \\
40.6
\end{gathered}
\] \\
\hline 18-69 & 1594 & 13.8 & \[
\begin{aligned}
& 11.9- \\
& 15.7
\end{aligned}
\] & 60.0 & \[
\begin{aligned}
& 57.0- \\
& 62.9
\end{aligned}
\] & 7.3 & 5.6-9.0 & 19.0 & \[
\begin{aligned}
& 16.5- \\
& 21.4 \\
& \hline
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Blood pressure measurement and diagnosis} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{9}{|c|}{Both sexes} \\
\hline & n & \% Never measured & 95\% CI & \begin{tabular}{l}
\% \\
measured, not diagnosed
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% \\
diagnosed, but not within past 12 months
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% \\
diagnosed within past 12 months
\end{tabular} & 95\% CI \\
\hline 18-44 & 1601 & 30.7 & \[
\begin{gathered}
26.2- \\
35.1
\end{gathered}
\] & 55.0 & \[
\begin{aligned}
& 51.0- \\
& 59.0
\end{aligned}
\] & 4.6 & 3.2-5.9 & 9.8 & 7.8-11.7 \\
\hline 45-69 & 1061 & 9.3 & 7.3-11.3 & 49.8 & \[
\begin{aligned}
& 46.0- \\
& 53.7 \\
& \hline
\end{aligned}
\] & 10.2 & \[
\begin{aligned}
& 7.8- \\
& 12.6 \\
& \hline
\end{aligned}
\] & 30.6 & \[
\begin{gathered}
26.9- \\
34.3 \\
\hline
\end{gathered}
\] \\
\hline 18-69 & 2662 & 24.1 & \[
\begin{aligned}
& \hline 21.0- \\
& 27.2
\end{aligned}
\] & 53.4 & \[
\begin{gathered}
50.3- \\
56.5
\end{gathered}
\] & 6.3 & 5.0-7.6 & 16.2 & \[
\begin{gathered}
14.4- \\
17.9
\end{gathered}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: H1, H2a, H2b
- Epi Info program name: Hbloodpressure (unweighted); HbloodpressureWT (weighted)

Blood Description: Raised blood pressure treatment results among those previously pressure treatment among those diagnosed diagnosed with raised blood pressure.

Instrument questions:
- Have you ever had your blood pressure measured by a doctor or other health worker?
- Have you ever been told by a doctor or other health worker that you have raised blood pressure or hypertension?
- In the past two weeks, have you taken any drugs (medication) for raised blood pressure prescribed by a doctor or other health worker?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|l|}{Currently taking drugs (medication) for raised blood pressure prescribed by doctor or health worker among those diagnosed} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline ears) & n & \% taking meds & 95\% CI & n & \% taking meds & 95\% CI & n & \% taking meds & 95\% Cl \\
\hline 18-44 & 75 & 18.5 & 9.6-27.5 & 193 & 27.0 & 19.0-35.1 & 268 & 23.4 & 17.3-29.5 \\
\hline 45-69 & 152 & 53.7 & 42.2-65.1 & 272 & 61.5 & 53.8-69.2 & 424 & 58.1 & 52.4-63.8 \\
\hline 18-69 & 227 & 38.3 & 29.9-46.8 & 465 & 46.1 & 40.4-51.8 & 692 & 42.7 & 38.1-47 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: H1, H2a, H3
- Epi Info program name: Hbloodpressure (unweighted); HbloodpressureWT (weighted)
\begin{tabular}{ll} 
Blood & Description: Percentage of respondents who have sought advice or received \\
pressure & treatment from a traditional healer for raised blood pressure among those
\end{tabular}

Description: Percentage of respondents who have sought advice or received previously diagnosed with raised blood pressure.

Instrument questions:
- Have you ever had your blood pressure measured by a doctor or other health worker?
- Have you ever been told by a doctor or other health worker that you have raised blood pressure or hypertension?
- Have you ever seen a traditional healer for raised blood pressure?
- Are you currently taking any herbal or traditional remedy for your high blood pressure?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Seen a traditional healer among those previously diagnosed} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \[
\begin{gathered}
\text { \% } \\
\text { seen } \\
\text { trad. } \\
\text { healer }
\end{gathered}
\] & 95\% CI & n & \[
\begin{gathered}
\text { \% } \\
\text { seen } \\
\text { trad. } \\
\text { healer }
\end{gathered}
\] & 95\% CI & n & \% seen trad. heale & 95\% Cl \\
\hline 18-44 & 75 & 1.2 & 0.0-3.6 & 193 & 6.7 & 2.0-11.4 & 268 & 4.3 & 1.5-7.1 \\
\hline 45-69 & 152 & 12.5 & 2.2-22.7 & 272 & 5.1 & 2.1-8.0 & 424 & 8.3 & 3.6-13.0 \\
\hline 18-69 & 227 & 7.5 & 1.5-13.6 & 465 & 5.8 & 3.2-8.4 & 692 & 6.6 & 3.7-9.4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|l|}{Currently taking herbal or traditional remedy for raised blood pressure among those previously diagnosed} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n &  & 95\% CI & n &  & 95\% CI & n &  & 95\% CI \\
\hline 18-44 & 75 & 5.4 & 0.3-10.5 & 193 & 6.7 & 2.1-11.3 & 268 & 6.1 & 2.8-9.5 \\
\hline 45-69 & 152 & 17.7 & 6.6-28.8 & 272 & 15.0 & 9.9-20.2 & 424 & 16.2 & 10.7-21.8 \\
\hline 18-69 & 227 & 12.3 & 5.4-19.3 & 465 & 11.3 & 8.0-14.6 & 692 & 11.8 & 8.3-15.3 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: H1, H2a, H4, H5
- Epi Info program name: Hraisedbptrad (unweighted); HraisedbptradWT (weighted)

\section*{History of Diabetes}

Blood sugar Description: Blood sugar measurement and diagnosis among all respondents. measurement and diagnosis Instrument questions:
- Have you ever had your blood sugar measured by a doctor or other health worker?
- Have you ever been told by a doctor or other health worker that you have raised blood sugar or diabetes?
- Have you been told in the past 12 months?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Blood sugar measurement and diagnosis} \\
\hline & \multicolumn{9}{|c|}{Men} \\
\hline Age Group (years) & n & \% Never measured & 95\% CI & \begin{tabular}{l}
\% \\
measured, not diagnosed
\end{tabular} & 95\% CI & diagnosed, but not within past 12 months & 95\% Cl & \begin{tabular}{l}
\% \\
diagnosed within past 12 months
\end{tabular} & 95\% CI \\
\hline 18-44 & 601 & 70.0 & 65.9-74.0 & 26.7 & 22.6-30.9 & 2.2 & 0.8-3.5 & 1.1 & 0.3-2.0 \\
\hline 45-69 & 467 & 35.1 & 28.9-41.3 & 50.0 & 43.0-56.9 & 2.7 & 1.3-4.1 & 12.3 & 8.5-16.1 \\
\hline 18-69 & 1068 & 59.5 & 56.1-62.9 & 33.7 & 30.1-37.3 & 2.3 & 1.3-3.4 & 4.5 & 3.0-5.9 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Blood sugar measurement and diagnosis} \\
\hline \multicolumn{10}{|c|}{Women} \\
\hline Age Group (years) & n & \% Never measured & 95\% CI & \% measured, not diagnosed & 95\% CI & \begin{tabular}{l}
\% \\
diagnosed, but not within past 12 months
\end{tabular} & 95\% Cl & \% diagnosed within past 12 months & 95\% CI \\
\hline 18-44 & 1000 & 53.2 & 49.1-57.2 & 41.4 & 37.6-45.2 & 1.4 & 0.6-2.2 & 4.0 & 2.5-5.6 \\
\hline 45-69 & 594 & 26.1 & 21.2-31.0 & 46.2 & 41.5-50.9 & 3.8 & 1.8-5.9 & 23.8 & 19.1-28.5 \\
\hline 18-69 & 1594 & 44.7 & 41.3-48.0 & 42.9 & 40.0-45.8 & 2.2 & 1.2-3.1 & 10.2 & 8.1-12.3 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Blood sugar measurement and diagnosis} \\
\hline & \multicolumn{9}{|c|}{Both sexes} \\
\hline Age Group (years) & n & \% Never measured & 95\% CI & \% measured, not diagnosed & 95\% CI & diagnosed, but not within past 12 months & 95\% CI & \begin{tabular}{l}
\% \\
diagnosed within past 12 months
\end{tabular} & 95\% CI \\
\hline 18-44 & \[
\begin{gathered}
160 \\
1
\end{gathered}
\] & 62.0 & 59.0-64.9 & 33.7 & 30.7-36.7 & 1.8 & 1.0-2.6 & 2.5 & 1.7-3.3 \\
\hline 45-69 & \[
106
\] & 30.7 & 26.5-34.8 & 48.1 & 44.1-52.1 & 3.2 & 2.0-4.5 & 18.0 & 15.3-20.7 \\
\hline 18-69 & \[
\begin{gathered}
266 \\
2
\end{gathered}
\] & 52.4 & 49.9-54.9 & 38.1 & 35.8-40.5 & 2.3 & 1.5-3.0 & 7.3 & 6.2-8.4 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: H6, H7a, H7b
- Epi Info program name: Hdiabetes (unweighted); HdiabetesWT (weighted)

Diabetes Description: Diabetes treatment results among those previously diagnosed with treatment among those diagnosed raised blood sugar or diabetes.

Instrument questions:
- Have you ever had your blood sugar measured by a doctor or other health worker?
- Have you ever been told by a doctor or other health worker that you have raised blood sugar or diabetes?
- In the past two weeks, have you taken any drugs (medication) for diabetes prescribed by a doctor or other health worker?
- Are you currently taking insulin for diabetes prescribed by a doctor or other health worker?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Currently taking insulin prescribed for diabetes among those previously diagnosed} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% taking insulin & 95\% CI & n & \% taking insulin & 95\% CI & n & \% taking insulin & 95\% CI \\
\hline 18-44 & 21 & 21.4 & 0.0-43. & 54 & 5.4 & 0.0-11.7 & 75 & 11.8 & 1.8-21.9 \\
\hline 45-69 & 75 & 13.2 & 4.7-21.7 & 150 & 15.1 & 7.9-22.3 & 225 & 14.4 & 8.9-20.0 \\
\hline 18-69 & 96 & 16.0 & 5.8-26.2 & 204 & 12.2 & 6.4-18.0 & 300 & 13.6 & 8.3-18.9 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Currently taking medication prescribed for diabetes among those previously diagnosed} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% taking meds & 95\% CI & n & \% taking meds & 95\% CI & n & \% taking meds & 95\% CI \\
\hline 18-44 & 21 & 39.8 & \[
\begin{aligned}
& 15.7- \\
& 63.9
\end{aligned}
\] & 54 & 55.4 & 38.5-72.3 & 75 & 49.2 & 35.7-62.6 \\
\hline 45-69 & 75 & 71.5 & \[
\begin{aligned}
& 57.5- \\
& 85.5 \\
& \hline
\end{aligned}
\] & 150 & 75.8 & 64.7-86.8 & 225 & 74.3 & 65.7-82.8 \\
\hline 18-69 & 96 & 60.7 & \[
\begin{aligned}
& 49.0-1 \\
& 72.5
\end{aligned}
\] & 204 & 69.6 & 61.6-77.6 & 300 & 66.3 & 59.8-72.9 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: H6, H7a, H8, H9
- Epi Info program name: Hdiabetes (unweighted); HdiabetesWT (weighted)

Diabetes Description: Percentage of respondents who are have sought advice or treatment advice by from a traditional healer for diabetes among those previously diagnosed. traditional healer

Instrument questions:
- Have you ever had your blood sugar measured by a doctor or other health worker?
- Have you ever been told by a doctor or other health worker that you have raised blood sugar or diabetes?
- Have you ever seen a traditional healer for diabetes or raised blood sugar?
- Are you currently taking any herbal or traditional remedy for your diabetes?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Seen a traditional healer for diabetes among those previously diagnosed} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \[
\begin{gathered}
\text { \% } \\
\text { seen } \\
\text { trad. } \\
\text { healer }
\end{gathered}
\] & 95\% CI & n & \%
seen
trad.
healer & 95\% CI & n & \[
\begin{gathered}
\hline \% \\
\text { seen } \\
\text { trad. } \\
\text { healer }
\end{gathered}
\] & 95\% CI \\
\hline 18-44 & 21 & 5.5 & 0.0-16.2 & 54 & 1.4 & 0.0-4.2 & 75 & 3.0 & 0.0-7.6 \\
\hline 45-69 & 75 & 12.5 & 4.4-20.5 & 150 & 5.9 & 1.6-10.2 & 225 & 8.2 & 4.4-12.1 \\
\hline 18-69 & 96 & 10.1 & 3.7-16.4 & 204 & 4.5 & 1.4-7.7 & 300 & 6.6 & 3.6-9.6 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Currently taking herbal or traditional treatment for diabetes among those previously diagnosed} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n &  & 95\% CI & n &  & 95\% CI & n &  & 95\% CI \\
\hline 18-44 & 21 & 1.2 & 0.0-3.7 & 54 & 4.9 & 0.1-9.7 & 75 & 3.4 & 0.3-6.5 \\
\hline 45-69 & 75 & 34.0 & 18.5-49.5 & 150 & 19.0 & 11.5-26.5 & 225 & 24.3 & 16.4-32.3 \\
\hline 18-69 & 96 & 22.8 & 10.7-35.0 & 204 & 14.7 & 9.2-20.3 & 300 & 17.7 & 11.7-23.8 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: H6, H7a, H10, H11
- Epi Info program name: Hdiabetestrad (unweighted); HdiabetestradWT (weighted)

\section*{History of Raised Total Cholesterol}

\section*{Cholesterol} measurement and diagnosis

Description: Total cholesterol measurement and diagnosis among all respondents.

Instrument questions:
- Have you ever had your cholesterol (fat levels in your blood) measured by a doctor or other health worker?
- Have you ever been told by a doctor or other health worker that you have raised cholesterol?
- Have you been told in the past 12 months?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Total cholesterol measurement and diagnosis} \\
\hline \multicolumn{10}{|c|}{Men} \\
\hline Age Group (years) & n & \% Never measured & 95\% CI & \begin{tabular}{l}
\% \\
measured, not diagnosed
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% \\
diagnosed but not within past 12 months
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% \\
diagnosed within past 12 months
\end{tabular} & 95\% CI \\
\hline 18-44 & 601 & 86.2 & \[
\begin{aligned}
& 83.0- \\
& 89.4
\end{aligned}
\] & 10.1 & 7.3-12.9 & 1.5 & 0.4-2.6 & 2.2 & 1.0-3.4 \\
\hline 45-69 & 467 & 54.8 & \[
\begin{aligned}
& 49.0- \\
& 60.7
\end{aligned}
\] & 27.1 & \[
\begin{array}{r}
22.2- \\
32.1
\end{array}
\] & 9.2 & \[
\begin{aligned}
& 5.8- \\
& 12.6
\end{aligned}
\] & 8.9 & 5.9-11.8 \\
\hline 18-69 & 1068 & 76.8 & \[
\begin{aligned}
& 74.0- \\
& 79.6 \\
& \hline
\end{aligned}
\] & 15.2 & \[
\begin{aligned}
& 13.0- \\
& 17.4 \\
& \hline
\end{aligned}
\] & 3.8 & 2.4-5.1 & 4.2 & 2.9-5.5 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Total cholesterol measurement and diagnosis} \\
\hline & \multicolumn{9}{|c|}{Women} \\
\hline Age Group (years) & n & \% Never measured & 95\% CI &  & 95\% Cl & \begin{tabular}{l}
\% \\
diagnosed, but not within past 12 months
\end{tabular} & 95\% Cl & \begin{tabular}{l}
\% \\
diagnosed within past 12 months
\end{tabular} & 95\% CI \\
\hline 18-44 & 1000 & 77.2 & \[
\begin{gathered}
74.0- \\
80.5
\end{gathered}
\] & 15.4 & \[
\begin{aligned}
& \hline 12.7- \\
& 18.1
\end{aligned}
\] & 3.4 & 2.0-4.9 & 3.9 & 2.5-5.3 \\
\hline 45-69 & 594 & 44.6 & \[
\begin{gathered}
39.1- \\
50.0
\end{gathered}
\] & 24.6 & \[
\begin{aligned}
& 20.2- \\
& 29.0
\end{aligned}
\] & 10.5 & \[
\begin{aligned}
& 7.3- \\
& 13.7
\end{aligned}
\] & 20.3 & \[
\begin{aligned}
& 15.7- \\
& 24.9
\end{aligned}
\] \\
\hline 18-69 & 1594 & 67.0 & \[
\begin{aligned}
& 64.0- \\
& 70.0
\end{aligned}
\] & 18.3 & \[
\begin{aligned}
& 15.8- \\
& 20.8
\end{aligned}
\] & 5.6 & 4.2-7.1 & 9.1 & 7.3-10.8 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Total cholesterol measurement and diagnosis} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{9}{|c|}{Both sexes} \\
\hline & n & \% Never measured & 95\% CI & \begin{tabular}{l}
\% \\
measured, not diagnosed
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% \\
diagnosed, but not within past 12 months
\end{tabular} & 95\% CI & \% diagnosed within past 12 months & 95\% CI \\
\hline 18-44 & 1601 & 81.9 & \[
\begin{gathered}
79.3- \\
84.5
\end{gathered}
\] & 12.7 & \[
\begin{aligned}
& 10.5- \\
& 14.9
\end{aligned}
\] & 2.4 & 1.5-3.3 & 3.0 & 2.0-4.0 \\
\hline 45-69 & 1061 & 49.8 & \[
\begin{gathered}
45.6- \\
53.9 \\
\hline
\end{gathered}
\] & 25.9 & \[
\begin{aligned}
& 22.7-1 \\
& 29.1 \\
& \hline
\end{aligned}
\] & 9.8 & \[
\begin{aligned}
& 7.6- \\
& 12.1 \\
& \hline
\end{aligned}
\] & 14.5 & \[
\begin{aligned}
& 12.0- \\
& 17.0 \\
& \hline
\end{aligned}
\] \\
\hline 18-69 & 2662 & 72.1 & \[
\begin{aligned}
& \hline 69.8- \\
& 74.3 \\
& \hline
\end{aligned}
\] & 16.7 & \[
\begin{aligned}
& 14.9- \\
& 18.5
\end{aligned}
\] & 4.7 & 3.7-5.7 & 6.5 & 5.4-7.6 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: H12, H13a, H13b
- Epi Info program name: Hchol (unweighted); HcholWT (weighted)
\begin{tabular}{ll}
\begin{tabular}{l} 
Cholesterol \\
treatment \\
among \\
those \\
diagnosed
\end{tabular} & \begin{tabular}{l} 
Description: Cholesterol treatment results among those previously diagnosed \\
with raised cholesterol.
\end{tabular} \\
& Instrument questions: \\
& • Have you ever had your cholesterol (fat levels in your blood) measured by a \\
doctor or other health worker?
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|l|}{Currently taking oral treatment (medication) prescribed for raised total cholesterol among those previously diagnosed} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline (years) & n & \% taking meds & 95\% CI & n & \% taking meds & 95\% CI & n & \[
\begin{aligned}
& \text { \% taking } \\
& \text { meds }
\end{aligned}
\] & 95\% CI \\
\hline 18-44 & 21 & 24.3 & 4.1-44.5 & 73 & 31.9 & 21.9-41.9 & 94 & 29.2 & \[
\begin{aligned}
& \hline 17.1- \\
& 41.3
\end{aligned}
\] \\
\hline 45-69 & 87 & 33.2 & \[
\begin{gathered}
21.7- \\
44.8
\end{gathered}
\] & 180 & 45.2 & 36.2-54.3 & 267 & 40.7 & \[
33.7-
\] \\
\hline 18-69 & 108 & 30.3 & \[
\begin{aligned}
& 19.4- \\
& 41.3
\end{aligned}
\] & 253 & 40.7 & 33.4-47.9 & 361 & 36.9 & \[
\begin{aligned}
& 30.3- \\
& 43.4
\end{aligned}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: H12, H13a, H14
- Epi Info program name: Hchol (unweighted); HcholWT (weighted)

Cholesterol Description: Percentage of respondents who are have sought advice or treatment advice by from a traditional healer for raised cholesterol among those previously traditional healer diagnosed.

Instrument questions:
- Have you ever had your cholesterol (fat levels in your blood) measured by a doctor or other health worker?
- Have you ever been told by a doctor or other health worker that you have raised cholesterol?
- Have you ever seen a traditional healer for raised cholesterol?
- Are you currently taking any herbal or traditional remedy for your raised cholesterol?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Seen a traditional healer for raised cholesterol among those previously diagnosed} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \[
\begin{gathered}
\text { \% } \\
\text { seen } \\
\text { trad. } \\
\text { healer }
\end{gathered}
\] & 95\% CI & n & \% seen trad. healer & 95\% CI & n & \% seen trad. healer & 95\% Cl \\
\hline 18-44 & 21 & 8.1 & 0.0-20.2 & 73 & 9.4 & 6.1-12.6 & 94 & 9.0 & 0.0-18.5 \\
\hline 45-69 & 87 & 8.8 & 1.4-16.2 & 180 & 6.9 & 2.5-11.4 & 267 & 7.6 & 3.9-11.3 \\
\hline 18-69 & 108 & 8.6 & 2.3-14.9 & 253 & 7.8 & 4.6-10.9 & 361 & 8.1 & 4.0-12.2 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|l|}{Currently taking herbal or traditional treatment for raised cholesterol among those previously diagnosed} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n &  & 95\% CI & n & \begin{tabular}{l}
\% \\
taking trad. meds
\end{tabular} & 95\% CI & n & \begin{tabular}{l}
\% \\
taking trad. meds
\end{tabular} & 95\% CI \\
\hline 18-44 & 21 & 4.4 & 0.0-13.4 & 73 & 13.5 & 7.8-19.2 & 94 & 10.3 & 0.7-19.9 \\
\hline 45-69 & 87 & 7.4 & 0.8-14.0 & 180 & 9.8 & 4.0-15.7 & 267 & 8.9 & 4.6-13.3 \\
\hline 18-69 & 108 & 6.4 & 0.9-11.9 & 253 & 11.1 & 6.3-15.9 & 361 & 9.4 & 4.7-14.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: H12, H13a, H15, H16
- Epi Info program name: Hcholtrad (unweighted); HcholtradWT (weighted)

\section*{History of Cardiovascular Diseases}

History of cardiovascular diseases

Description: Percentage of respondents who have ever had a heart attack or chest pain from heart disease (angina) or a stroke among all respondents.

Instrument questions:
- Have you ever had a heart attack or chest pain from heart disease (angina) or a stroke (cerebrovascular accident or incident)?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Having ever had a heart attack or chest pain from heart disease or a stroke} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n &  & 95\% CI & n & \[
\begin{gathered}
\text { \% } \\
\text { CVD } \\
\text { history }
\end{gathered}
\] & 95\% CI & n & \[
\begin{gathered}
\text { \% } \\
\text { CVD } \\
\text { history }
\end{gathered}
\] & 95\% CI \\
\hline 18-44 & 601 & 7.1 & 3.8-10.4 & 1000 & 6.2 & 4.3-8.1 & 1601 & 6.7 & 4.5-8.8 \\
\hline 45-69 & 467 & 11.1 & 7.0-15.2 & 594 & 14.2 & 10.0-18.5 & 1061 & 12.6 & 9.1-16.1 \\
\hline 18-69 & 1068 & 8.3 & 5.2-11.4 & 1594 & 8.7 & 6.7-10.7 & 2662 & 8.5 & 6.2-10.7 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Question used: H17
- Epi Info program name: Hcvd (unweighted); HcvdWT (weighted)

Prevention Description: Percentage of respondents who are currently taking aspirin or statins
and
treatment of heart disease
regularly to prevent or treat heart disease

Instrument questions:
- Are you currently taking aspirin regularly to prevent or treat heart disease?
- Are you currently taking statins (Lovostatin/Simvastatin/Atorvastatin or any other statin) regularly to prevent or treat heart disease?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Currently taking aspirin regularly to prevent or treat heart disease} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% taking aspirin & 95\% CI & n & \% taking aspirin & 95\% Cl & n & \% taking aspirin & 95\% Cl \\
\hline 18-44 & 601 & 4.1 & 0.5-7.7 & 1000 & 3.3 & 1.7-4.9 & 1601 & 3.7 & 1.8-5.6 \\
\hline 45-69 & 467 & 16.9 & \[
\begin{aligned}
& 12.3- \\
& 21.6 \\
& \hline
\end{aligned}
\] & 594 & 17.5 & 13.2-21.7 & 1061 & 17.2 & \[
\begin{aligned}
& 13.5- \\
& 20.9 \\
& \hline
\end{aligned}
\] \\
\hline 18-69 & 1068 & 7.9 & 4.6-11.3 & 1594 & 7.8 & 6.1-9.4 & 2662 & 7.9 & 5.7-10.0 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Currently taking statins regularly to prevent or treat heart disease} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% taking statins & 95\% CI & n & \% taking statins & 95\% CI & n & \% taking statins & 95\% CI \\
\hline 18-44 & 601 & 0.6 & 0.0-1.2 & 1000 & 0.4 & 0.0-0.9 & 1601 & 0.5 & 0.2-0.9 \\
\hline 45-69 & 467 & 4.2 & 1.8-6.7 & 594 & 7.3 & 4.7-9.8 & 1061 & 5.7 & 3.9-7.6 \\
\hline 18-69 & 1068 & 1.7 & 0.8-2.6 & 1594 & 2.6 & 1.7-3.4 & 2662 & 2.1 & 1.5-2.8 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: H18, H19
- Epi Info program name: Hcvdmeds (unweighted); HcvdmedsWT (weighted)

\section*{Lifestyle Advice}

Lifestyle Description: Percentage of respondents who received lifestyle advice from a doctor advice or health worker during the past three years among all respondents.

Instrument question:
- During the past three years, has a doctor or other health worker advised you to do any of the following?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Advised by doctor or health worker to quit using tobacco or don't start} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n &  & 95\% CI & n & \[
\begin{gathered}
\% \\
\text { advised }
\end{gathered}
\] & 95\% CI & n & \[
\begin{gathered}
\text { \% } \\
\text { advised }
\end{gathered}
\] & 95\% Cl \\
\hline 18-44 & 601 & 19.3 & 14.8-23.8 & 1000 & 10.6 & 7.8-13.4 & 1601 & 15.1 & 12.3-17.9 \\
\hline 45-69 & 467 & 20.1 & 15.2-25.0 & 594 & 11.1 & 7.6-14.7 & 1061 & 15.7 & 12.5-18.9 \\
\hline 18-69 & 1068 & 19.5 & 16.5-22.6 & 1594 & 10.8 & 8.2-13.3 & 2662 & 15.3 & 13.3-17.4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Advised by doctor or health worker to reduce salt in the diet} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% advised & 95\% CI & n &  & 95\% CI & n &  & 95\% CI \\
\hline 18-44 & 601 & 23.1 & 18.7-27.6 & 1000 & 28.2 & 24.3-32.1 & 1601 & 25.6 & 22.4-28.8 \\
\hline 45-69 & 467 & 30.6 & 24.8-36.4 & 594 & 46.2 & 41.0-51.5 & 1061 & 38.3 & 34.0-42.6 \\
\hline 18-69 & 1068 & 25.4 & 22.0-28.7 & 1594 & 33.9 & 30.9-36.9 & 2662 & 29.5 & 27.1-31.9 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|l|}{Advised by doctor or health worker to eat at least five servings of fruit and/or vegetables each day} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \[
\begin{gathered}
\hline \% \\
\text { advised } \\
\hline
\end{gathered}
\] & 95\% CI & n & \[
\begin{gathered}
\text { \% } \\
\text { advised }
\end{gathered}
\] & 95\% CI & n & \[
\begin{gathered}
\% \\
\text { advised }
\end{gathered}
\] & 95\% CI \\
\hline 18-44 & 601 & 31.2 & 25.4-37.0 & 1000 & 38.2 & 34.4-42.0 & 1601 & 34.5 & 30.9-38.2 \\
\hline 45-69 & 467 & 34.5 & 29.1-40.0 & 594 & 45.6 & 40.3-50.8 & 1061 & 40.0 & 36.0-44.0 \\
\hline 18-69 & 1068 & 32.2 & 27.5-36.9 & 1594 & 40.5 & 37.4-43.7 & 2662 & 36.2 & 33.3-39.1 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Advised by doctor or health worker to reduce fat in the diet} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & advised & 95\% CI & n & \% advised & 95\% CI & n & advised & 95\% Cl \\
\hline 18-44 & 601 & 26.0 & 21.7-30.2 & 1000 & 35.7 & 32.0-39.4 & 1601 & 30.6 & 27.7-33.6 \\
\hline 45-69 & 467 & 32.3 & 26.7-37.9 & 594 & 51.1 & 46.2-56.0 & 1061 & 41.6 & 38.0-45.2 \\
\hline 18-69 & 1068 & 27.9 & 24.4-31.3 & 1594 & 40.5 & 37.3-43.7 & 2662 & 34.0 & 31.5-36.5 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Advised by doctor or health worker to start or do more physical activity} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \[
\begin{gathered}
\% \\
\text { advised }
\end{gathered}
\] & 95\% CI & n & \[
\begin{gathered}
\% \\
\text { advised } \\
\hline
\end{gathered}
\] & 95\% CI & n & \[
\begin{gathered}
\% \\
\text { advised } \\
\hline
\end{gathered}
\] & 95\% CI \\
\hline 18-44 & 601 & 23.1 & 19.3-26.8 & 1000 & 33.5 & 29.8-37.2 & 1601 & 28.1 & 25.5-30.6 \\
\hline 45-69 & 467 & 33.7 & 28.3-39.1 & 594 & 45.7 & 40.5-50.9 & 1061 & 39.6 & 35.8-43.5 \\
\hline 18-69 & 1068 & 26.3 & 23.0-29.5 & 1594 & 37.4 & 34.2-40.5 & 2662 & 31.6 & 29.3-33.9 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Advised by doctor or health worker to maintain a healthy body weight or to lose weight} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \[
\begin{gathered}
\% \\
\text { advised }
\end{gathered}
\] & 95\% CI & n & \[
\begin{gathered}
\% \\
\text { advised }
\end{gathered}
\] & 95\% CI & n & \[
\begin{gathered}
\% \\
\text { advised }
\end{gathered}
\] & 95\% CI \\
\hline 18-44 & 601 & 30.3 & 25.3-35.3 & 1000 & 35.2 & 31.3-39.1 & 1601 & 32.7 & 29.7-35.6 \\
\hline 45-69 & 467 & 36.0 & 30.5-41.5 & 594 & 48.7 & 43.3-54.0 & 1061 & 42.3 & 38.1-46.4 \\
\hline 18-69 & 1068 & 32.0 & 27.9-36.2 & 1594 & 39.4 & 36.2-42.7 & 2662 & 35.6 & 32.9-38.3 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: H20a-f
- Epi Info program name: Hlifestyle (unweighted); HlifestyleWT (weighted)

\section*{Cervical Cancer Screening}

\author{
Cervical cancer screening
}

Description: Percentage of female respondents who have ever had a screening test for cervical cancer among all female respondents.

Instrument question:
- Have you ever had a screening test for cervical cancer, using any of these methods described above?
\begin{tabular}{|cccc|}
\hline \multirow{2}{*}{\begin{tabular}{c} 
Age Group \\
(years)
\end{tabular}} & \multicolumn{4}{c|}{ Women } \\
\cline { 2 - 4 } n & \begin{tabular}{c} 
\% ever \\
tested
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 1000 & 15.2 & \(12.5-17.9\) \\
\(45-69\) & 593 & 23.1 & \(18.4-27.7\) \\
\hline \(18-69\) & 1593 & 17.7 & \(15.3-20.0\) \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Question used: CX1
- Epi Info program name: Hcervcancer (unweighted); HcervcancerWT (weighted)
\begin{tabular}{ll} 
Cervical & \begin{tabular}{l} 
Description: Percentage of female respondents aged 30-49 years who have ever \\
cancer \\
screening
\end{tabular} \\
\begin{tabular}{l} 
had a screening test for cervical cancer among all female respondents aged 30- \\
among \\
women aged
\end{tabular} & \begin{tabular}{l} 
Instrument question: \\
30-49 years
\end{tabular} \\
& \begin{tabular}{c} 
- Have you ever had a screening test for cervical cancer, using any of these \\
methods described above?
\end{tabular}
\end{tabular}
\begin{tabular}{|cccc|}
\hline \multirow{2}{*}{\begin{tabular}{c} 
Age Group \\
(years)
\end{tabular}} & \multicolumn{4}{c|}{ Women } \\
\cline { 2 - 4 } & n & \begin{tabular}{c} 
\% ever \\
tested
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(\mathbf{3 0 - 4 9}\) & 683 & 23.0 & \(19.2-26.8\) \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Question used: CX1
- Epi Info program name: Hcervcancer (unweighted); HcervcancerWT (weighted)

\section*{Health Screening}

Prostate and Rectal Exams

Description: Participants who had prostate exam, who had feces checked for hidden blood, and those who have had colonoscopy.

Instrument questions:
- Have you ever had your feces examined to look for hidden blood?
- Have you ever had a colonoscopy?
- Have you ever had an examination of your prostate?
\begin{tabular}{|cccc|}
\hline \multicolumn{4}{c|}{ Had prostate exam } \\
\hline Age Group & \multicolumn{2}{c|}{ Men } \\
\cline { 2 - 4 } (years) & n & \(\%\) & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 601 & 2.7 & \(1.3-4.1\) \\
\(45-69\) & 467 & 16.1 & \(11.8-20.5\) \\
\hline \(18-69\) & 1068 & 6.7 & \(5.2-8.3\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Had feces checked for hidden blood} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 10.9 & 7.8-13.9 & 1000 & 13.6 & 11.2-16.1 & 1601 & 12.2 & 10.1-14.3 \\
\hline 45-69 & 467 & 17.3 & 12.6-22.0 & 594 & 13.9 & 9.8-17.9 & 1061 & 15.6 & 11.9-19.3 \\
\hline 18-69 & 1068 & 12.8 & 10.4-15.2 & 1594 & 13.7 & 11.9-15.5 & 2662 & 13.2 & 11.7-14.8 \\
\hline \multicolumn{10}{|c|}{Has had colonoscopy} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 601 & 1.2 & 0.2-2.3 & 1000 & 1.3 & 0.5-2.1 & 1601 & 1.3 & 0.6-1.9 \\
\hline 45-69 & 467 & 5.5 & 3.2-7.8 & 594 & 1.6 & 0.6-2.5 & 1061 & 3.6 & 2.3-4.8 \\
\hline 18-69 & 1068 & 2.5 & 1.5-3.5 & 1594 & 1.4 & 0.8-2.0 & 2662 & 2.0 & 1.4-2.6 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: S1, S2, S3
- Epi Info program name: PAHO_Hprostaterectal (unweighted); PAHO_HprostaterectalWT (weighted)

Breast Description: Percentage of women who were shown how to examine breasts and date of last breast exam.

Instrument questions:
- Have you been shown how to examine your breasts?
- When was the last time you had an examination of your breasts?
\begin{tabular}{|cccc|}
\hline \multicolumn{4}{c|}{ Shown how to examine breasts } \\
\hline \multirow{2}{*}{\begin{tabular}{c} 
Age Group \\
(years)
\end{tabular}} & n & Women \\
\hline \(18-44\) & 1000 & 32.4 & \(95 \% \mathrm{CI}\) \\
\(45-69\) & 594 & 36.0 & \(28.7-36.1\) \\
\hline \(18-69\) & 1594 & 33.5 & \(31.5-40.5\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Last Breast Exam} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{9}{|c|}{Women} \\
\hline & n & \% 1 year ago or less & 95\% CI & \%
Between 1
and 2
years ago & 95\% Cl & \% More than 2 years ago & 95\% CI & \% Never had a breast exam & 95\% CI \\
\hline 18-44 & 984 & 11.9 & 9.4-14.5 & 5.2 & 3.5-6.8 & 10.6 & 8.3-13.0 & 72.3 & 68.4-76.1 \\
\hline 45-69 & 592 & 17.4 & 13.6-21.3 & 1.9 & 0.8-2.9 & 12.7 & 9.6-15.7 & 68.1 & 63.4-72.7 \\
\hline 18-69 & 1576 & 13.7 & 11.5-15.9 & 4.1 & 2.9-5.3 & 11.3 & 9.3-13.3 & 70.9 & 67.8-74.1 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: S4, S5
- Epi Info program name: PAHO_Hbreastcancer (unweighted); PAHO_HbreastcancerWT (weighted)

Date of last Description: Date of last mammogram. mammogram

Instrument questions:
- When was the last time you had a mammogram?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Last mammogram} \\
\hline \multicolumn{10}{|c|}{Women} \\
\hline Age Group (years) & n & \begin{tabular}{l}
\% 1 \\
year ago or less
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% Between \\
1 and 2 \\
years ago
\end{tabular} & 95\% CI & \% More than 2 years ago & 95\% CI & \% Never had a mammogram & 95\% CI \\
\hline 18-44 & 997 & 2.9 & 0.9-4.9 & 0.9 & 0.2-1.6 & 4.7 & 3.1-6.4 & 91.5 & \[
\begin{aligned}
& \hline 89.0- \\
& 93.9
\end{aligned}
\] \\
\hline 45-69 & 592 & 4.7 & 2.6-6.7 & 2.8 & 1.0-4.5 & 6.0 & 3.9-8.0 & 86.6 & \[
\begin{gathered}
83.2- \\
90.0
\end{gathered}
\] \\
\hline 18-69 & \[
\begin{gathered}
158 \\
9
\end{gathered}
\] & 3.5 & 2.0-4.9 & 1.5 & 0.7-2.2 & 5.1 & 3.8-6.5 & 89.9 & \[
\begin{gathered}
88.0- \\
91.9 \\
\hline
\end{gathered}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: S6
- Epi Info program name: PAHO_Hmammogram (unweighted); PAHO_HmammogramWT (weighted)

Date of last Description: Date of last pap test exam. pap test
exam Instrument questions:
- When was the last time you had a Pap test?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Last pap test of cytological test} \\
\hline & \multicolumn{9}{|c|}{Women} \\
\hline Age Group (years) & n & \begin{tabular}{l}
\% 1 \\
year ago or less
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% \\
Between 1 \\
and 2 \\
years ago
\end{tabular} & 95\% CI & \% More than 2 years ago & 95\% CI & \% Never had a pap test or cytological test & 95\% CI \\
\hline 18-44 & 997 & 6.3 & 4.1-8.4 & 5.0 & 3.1-6.9 & 9.3 & 7.2-11.4 & 79.4 & 76.4-82.5 \\
\hline 45-69 & 593 & 5.3 & 3.2-7.4 & 3.4 & 1.5-5.3 & 19.5 & \[
\begin{aligned}
& 14.6- \\
& 24.4
\end{aligned}
\] & 71.8 & 66.5-77.0 \\
\hline 18-69 & \[
\begin{gathered}
159 \\
0
\end{gathered}
\] & 6.0 & 4.4-7.5 & 4.5 & 3.2-5.9 & 12.5 & \[
\begin{aligned}
& \hline 10.4- \\
& 14.7 \\
& \hline
\end{aligned}
\] & 77.0 & 73.9-80.1 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: S7
- Epi Info program name: PAHO_Hcervicalcancer (unweighted); PAHO_Hcervicalcancer (weighted)

\section*{Violence and Injury}

Percentage Description: Percentage of drivers or passengers of a motor vehicle who did not of drivers or
passengers Instrument question:
not always
using seat
belt
- In the past 30 days, how often did you use a seat belt when you were the driver or passenger of a motor vehicle?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of drivers or passengers not always using a seat belt} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% Not always using seat belt & 95\% CI & n & \% Not always using seat be & 95\% CI & n & \% Not always using seat be & 95\% CI \\
\hline 18-44 & 253 & 48.2 & \[
\begin{gathered}
42.1- \\
54.3
\end{gathered}
\] & 421 & 48.9 & 44.5-53.3 & 674 & 48.5 & \[
\begin{gathered}
44.6- \\
52.5
\end{gathered}
\] \\
\hline 45-69 & 214 & 54.5 & \[
\begin{aligned}
& 46.1- \\
& 62.9
\end{aligned}
\] & 248 & 51.2 & 45.4-57.0 & 462 & 52.9 & \[
\begin{aligned}
& 47.5- \\
& 58.2 \\
& \hline
\end{aligned}
\] \\
\hline 18-69 & 467 & 50.1 & \[
\begin{aligned}
& 44.6- \\
& 55.5 \\
& \hline
\end{aligned}
\] & 669 & 49.6 & 46.1-53.2 & 1136 & 49.9 & \[
\begin{aligned}
& 46.3- \\
& 53.5 \\
& \hline
\end{aligned}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V1
- Epi Info program name: Vseatbelt (unweighted); VseatbeltWT (weighted)

Percentage of motorcycle or motorscooter drivers not always using helmet

Description: Percentage of drivers or passengers of a motorcycle or motorscooter who did not always wear a helmet during the past 30 days.

Instrument question:
- In the past 30 days, how often did you wear a helmet when you drove or rode as a passenger on a motorcycle or motor-scooter?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of drivers or passengers of a motorcycle or motor-scooter not always using a helmet} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% Not always using helme & 95\% CI & n & \% Not always using helmet & 95\% CI & n & \% Not always using helme & 95\% CI \\
\hline 18-44 & 294.0 & 25.4 & 19.4-31.5 & 451.0 & 18.0 & 13.2-22.8 & 745.0 & 22.0 & 18.0-25.9 \\
\hline 45-69 & 214.0 & 20.8 & 14.0-27.6 & 277.0 & 10.0 & 5.3-14.7 & 491.0 & 15.8 & 11.6-20.0 \\
\hline 18-69 & 508.0 & 24.0 & 19.0-29.1 & 728.0 & 15.6 & 11.8-19.4 & 1236.0 & 20.1 & 16.9-23.3 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V2
- Epi Info program name: Vhelmet (unweighted); VhelmetWT (weighted)
months involvement
in a road traffic crash

Past 12 Description: Percentage of respondents who have been involved in a road traffic crash during the past 12 months.

Instrument question:
- In the past 12 months, have you been involved in a road traffic crash as a passenger, driver, or pedestrian?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of respondents involved in a road traffic crash during the past 12 months} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% Involved in road traffic crashes & 95\% CI & n & \[
\begin{gathered}
\text { \% Invol } \\
\text { in roa } \\
\text { traffi } \\
\text { crash } \\
\hline
\end{gathered}
\] & 95\% CI & n & \% Involved in road
traffic crashes & 95\% CI \\
\hline 18-44 & 599 & 70.0 & - & 999 & 68.6 & & 1598 & 69.3 & - \\
\hline 45-69 & 467 & 30.0 & - & 593 & 31.4 & - & 1060 & 30.7 & - \\
\hline 18-69 & 1066 & 100.0 & & 1592 & 100.0 & & 2658 & 100.0 & \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V3
- Epi Info program name: Vcrash (unweighted); VcrashWT (weighted)

Percentage Description: Percentage of passengers, drivers, or pedestrians that had serious of serious injuries requiring medical attention from a road traffic crash among those injury among
those involved in a road traffic crash involved in a road traffic crash in the past 12 months.

Instrument questions:
- Did you have any injuries in this road traffic crash which required medical attention?
- In the past 12 months, have you been involved in a road traffic crash as a passenger, driver, or pedestrian?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|l|}{Percentage of respondents seriously injured as a result of road traffic crash among those involved in a road
traffic crash} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & Seriously injured & 95\% CI & n & Seriously injured & 95\% CI & n & Seriously injured & 95\% CI \\
\hline 18-44 & 50.0 & 71.6 & 56.6-86.7 & 30.0 & 57.5 & 40.2-74.7 & 80.0 & 67.0 & 54.6-79.5 \\
\hline 45-69 & 25.0 & 64.2 & 46.7-81.6 & 16.0 & 29.5 & 2.6-56.5 & 41.0 & 51.0 & 35.0-67.1 \\
\hline 18-69 & 75.0 & 69.8 & 57.5-82.1 & 46.0 & 49.3 & 32.8-65.8 & 121.0 & 62.9 & 52.4-73.3 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V3, V4
- Epi Info program name: Vcrashinjury (unweighted); VcrashinjuryWT (weighted)

Percentage Description: Percentage of respondents injured in a non-road traffic related of serious accident that required medical attention.
accidental injuries

Instrument question:
- In the past 12 months, were you injured accidentally, other than the road traffic crash, which required medical attention?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of respondents seriously injured in a non-road traffic accident} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Seriously injured & 95\% CI & n & Seriously injured & 95\% CI & n & Seriously injured & 95\% CI \\
\hline 18-44 & 600.0 & 92.4 & 89.8-94.9 & 999.0 & 97.5 & \[
\begin{aligned}
& \hline 96.2- \\
& 98.7
\end{aligned}
\] & 1599.0 & 94.8 & \[
\begin{gathered}
\hline 93.4- \\
96.3
\end{gathered}
\] \\
\hline 45-69 & 467.0 & 92.7 & 88.8-96.6 & 593.0 & 98.1 & \[
\begin{array}{r}
97.0- \\
99.1 \\
\hline
\end{array}
\] & 1060.0 & 95.3 & \[
\begin{aligned}
& 93.3- \\
& 97.4
\end{aligned}
\] \\
\hline 18-69 & 1067.0 & 92.5 & 90.2-94.7 & 1592.0 & 97.7 & \[
\begin{aligned}
& \hline 96.7- \\
& 98.6
\end{aligned}
\] & 2659.0 & 95.0 & \[
\begin{aligned}
& \hline 93.8- \\
& 96.2
\end{aligned}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V5
- Epi Info program name: Vinjury (unweighted); VinjuryWT (weighted)

Causes of Serious Description: Causes of serious injuries among respondents who were injured accidentally from something other than a road Injury traffic crash.

Instrument questions:
- Please indicate which of the following was the cause of the most serious accidental injury?
- In the past 12 months, were you injured accidentally other than the road traffic crashes which required medical attention?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{16}{|c|}{Percentage of respondents who were seriously injured other than road traffic crashes} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{15}{|c|}{Men} \\
\hline & n & \% Fall & 95\% CI & \% Burn & 95\% CI & \% Poisoning & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% Cut & 95\% CI & \% Near drowning & 95\% CI & Animal Bites & 95\% CI & \% Other & 95\% CI \\
\hline 18-44 & 46.0 & 41.9 & \[
\begin{gathered}
25.1- \\
58.7
\end{gathered}
\] & 24.2 & \[
\begin{gathered}
11.0- \\
37.4
\end{gathered}
\] & 0.0 & \[
\begin{gathered}
0.0- \\
0.0
\end{gathered}
\] & 46.0 & 41.9 & \[
\begin{gathered}
25.1- \\
58.7
\end{gathered}
\] & 24.2 & \[
\begin{aligned}
& 11.0- \\
& 37.4
\end{aligned}
\] & 0.0 & 0.0-0.0 & 46.0 \\
\hline 45-69 & 34.0 & 54.9 & \[
\begin{aligned}
& 36.6- \\
& 73.2 \\
& \hline
\end{aligned}
\] & 32.3 & \[
\begin{aligned}
& 14.4- \\
& 50.2 \\
& \hline
\end{aligned}
\] & 1.6 & \[
\begin{aligned}
& 0.0- \\
& 4.8 \\
& \hline
\end{aligned}
\] & 34.0 & 54.9 & \[
\begin{aligned}
& 36.6- \\
& 73.2 \\
& \hline
\end{aligned}
\] & 32.3 & \[
\begin{gathered}
14.4- \\
50.2
\end{gathered}
\] & 1.6 & 0.0-4.8 & 34.0 \\
\hline 18-69 & 80.0 & 45.7 & \[
\begin{aligned}
& 31.4- \\
& 60.0 \\
& \hline
\end{aligned}
\] & 26.6 & \[
\begin{aligned}
& \hline 15.4- \\
& 37.8 \\
& \hline
\end{aligned}
\] & 0.5 & \[
\begin{gathered}
\hline 0.0- \\
1.4 \\
\hline
\end{gathered}
\] & 80.0 & 45.7 & \[
\begin{aligned}
& 31.4- \\
& 60.0 \\
& \hline
\end{aligned}
\] & 26.6 & \[
\begin{aligned}
& 15.4- \\
& 37.8 \\
& \hline
\end{aligned}
\] & 0.5 & 0.0-1.4 & 80.0 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{16}{|c|}{Percentage of respondents who were seriously injured other than road traffic crashes} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{15}{|c|}{Women} \\
\hline & n & \% Fall & 95\% CI & \% Burn & 95\% CI & \% Poisoning & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \[
\begin{gathered}
\text { \% } \\
\text { Cut }
\end{gathered}
\] & 95\% CI & \% Near drowning & 95\% CI & Animal Bites & 95\% CI & \% Other & 95\% CI \\
\hline 18-44 & 24 & 58.0 & \[
\begin{gathered}
29.0- \\
87.0
\end{gathered}
\] & 2.1 & 0.0-6.4 & 5.8 & \[
\begin{aligned}
& 0.0- \\
& 15.3
\end{aligned}
\] & 20.5 & \[
\begin{aligned}
& \hline 0.0- \\
& 43.7
\end{aligned}
\] & 58.0 & \[
\begin{aligned}
& 29.0- \\
& 87.0
\end{aligned}
\] & 2.1 & 0.0-6.4 & 5.8 & \[
\begin{aligned}
& \hline 0.0- \\
& 15.3
\end{aligned}
\] \\
\hline 45-69 & 17 & 55.1 & \[
\begin{aligned}
& 28.5- \\
& 81.7 \\
& \hline
\end{aligned}
\] & 4.4 & \[
\begin{aligned}
& 0.0- \\
& 13.4 \\
& \hline
\end{aligned}
\] & 10.2 & \[
\begin{array}{r}
5.7- \\
14.8 \\
\hline
\end{array}
\] & 7.1 & \[
\begin{aligned}
& 0.0- \\
& 21.3 \\
& \hline
\end{aligned}
\] & 55.1 & \[
\begin{aligned}
& 28.5- \\
& 81.7 \\
& \hline
\end{aligned}
\] & 4.4 & \[
\begin{aligned}
& 0.0- \\
& 13.4 \\
& \hline
\end{aligned}
\] & 10.2 & \[
\begin{aligned}
& 5.7- \\
& 14.8 \\
& \hline
\end{aligned}
\] \\
\hline 18-69 & 41 & 57.3 & \[
\begin{aligned}
& 34.1- \\
& 80.4 \\
& \hline
\end{aligned}
\] & 2.7 & 0.0-6.8 & 6.9 & \[
\begin{aligned}
& 0.0- \\
& 14.0 \\
& \hline
\end{aligned}
\] & 17.0 & \[
\begin{array}{r}
\hline 0.0- \\
34.9 \\
\hline
\end{array}
\] & 57.3 & \[
\begin{aligned}
& 34.1- \\
& 80.4 \\
& \hline
\end{aligned}
\] & 2.7 & 0.0-6.8 & 6.9 & \[
\begin{aligned}
& 0.0- \\
& 14.0 \\
& \hline
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{16}{|c|}{Percentage of respondents who were seriously injured other than road traffic crashes} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{15}{|c|}{Both Sexes} \\
\hline & n & \% Fall & 95\% CI & \% Burn & 95\% CI & \% Poisoning & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \[
\begin{gathered}
\text { \% } \\
\text { Cut }
\end{gathered}
\] & 95\% CI & \% Near drowning & 95\% CI & Animal Bites & 95\% CI & \% Other & 95\% CI \\
\hline 18-44 & 70 & 45.7 & \[
\begin{array}{r}
31.4- \\
59.9
\end{array}
\] & 0.5 & 0.0-1.5 & 19.9 & \[
\begin{aligned}
& 9.9- \\
& 30.0
\end{aligned}
\] & 4.8 & \[
\begin{aligned}
& 0.0- \\
& 10.7
\end{aligned}
\] & 29.1 & \[
\begin{gathered}
15.4- \\
42.9
\end{gathered}
\] & 70 & 45.7 & \[
\begin{gathered}
31.4- \\
59.9
\end{gathered}
\] & 0.5 \\
\hline 45-69 & 51 & 54.9 & \[
\begin{aligned}
& 39.6- \\
& 70.3
\end{aligned}
\] & 0.9 & 0.0-2.8 & 27.8 & \[
\begin{gathered}
12.9- \\
42.6
\end{gathered}
\] & 2.7 & 0.0-6.7 & 13.7 & \[
\begin{aligned}
& 2.5- \\
& 24.9
\end{aligned}
\] & 51 & 54.9 & \[
\begin{aligned}
& 39.6- \\
& 70.3
\end{aligned}
\] & 0.9 \\
\hline 18-69 & 121 & 48.3 & \[
\begin{array}{r}
36.5- \\
60.1 \\
\hline
\end{array}
\] & 0.6 & 0.0-1.5 & 22.1 & \[
\begin{aligned}
& 13.5- \\
& 30.8
\end{aligned}
\] & 4.2 & 0.0-8.6 & 24.8 & \[
\begin{aligned}
& 13.7- \\
& 35.8
\end{aligned}
\] & 121 & 48.3 & \[
\begin{array}{r}
36.5- \\
60.1 \\
\hline
\end{array}
\] & 0.6 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V5,V6
- Epi Info program name: Vinjurycause (unweighted); VinjurycauseWT (weighted)

Location of accidental serious injuries

Description: Location of serious accidental injuries among those respondents who were seriously injured in the last 12 months.
Instrument questions:
- In the past 12 months, were you injured accidentally, other than the road traffic crashes which required medical attention?
- Where were you when you had your most serious injury in the past 12 months?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{14}{|c|}{Location of accidental serious injuries among respondents seriously injured} \\
\hline & \multicolumn{13}{|c|}{Men} \\
\hline Age Group (years) & n & \% Home & 95\% CI & School/workplace & 95\% CI & \% Road-StreetHighway & 95\% CI & \% Farm & 95\% CI & \% SportsAthletic area & 95\% CI & \% other & 95\% CI \\
\hline 18-44 & 46 & 12.6 & 2.8-22.5 & 41.1 & \[
\begin{gathered}
26.4- \\
55.9
\end{gathered}
\] & 23.2 & 9.4-37.0 & 4.2 & 0.0-9.9 & 11.0 & 1.7-20.2 & 12.6 & 2.8-22.5 \\
\hline 45-69 & 34 & 32.2 & \[
\begin{aligned}
& 10.2- \\
& 54.3 \\
& \hline
\end{aligned}
\] & 29.9 & 9.2-50.6 & 17.1 & 4.9-29.4 & 16.4 & 0.0-43.3 & 0.0 & 0.0-0.0 & 32.2 & \[
\begin{aligned}
& 10.2- \\
& 54.3 \\
& \hline
\end{aligned}
\] \\
\hline 18-69 & 80 & 18.3 & 8.9-27.8 & 37.9 & \[
\begin{gathered}
26.2- \\
49.5 \\
\hline
\end{gathered}
\] & 21.4 & \[
\begin{aligned}
& 10.5- \\
& 32.3 \\
& \hline
\end{aligned}
\] & 7.8 & 0.0-17.4 & 7.8 & 1.2-14.3 & 18.3 & 8.9-27.8 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{14}{|c|}{Location of accidental serious injuries among respondents seriously injured} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{13}{|c|}{Women} \\
\hline & n & \% Home & 95\% CI & School/workplace & 95\% CI & \% Road-StreetHighway & 95\% CI & \% Farm & 95\% CI & \% SportsAthletic area & 95\% CI & \% other & 95\% CI \\
\hline 18-44 & 24.0 & 65.5 & \[
\begin{gathered}
\hline 39.8- \\
91.3
\end{gathered}
\] & 10.7 & 0.0-25.6 & 15.8 & 0.0-33.2 & 1.4 & 0.0-4.3 & 6.5 & 0.0-17.0 & 24.0 & 65.5 \\
\hline 45-69 & 17.0 & 59.6 & \[
\begin{gathered}
33.1- \\
86.1
\end{gathered}
\] & 2.2 & 1.2-3.2 & 13.4 & 0.0-31.6 & 14.7 & 0.0-35.1 & 10.0 & 0.0-24.8 & 17.0 & 59.6 \\
\hline 18-69 & 41.0 & 64.0 & \[
\begin{aligned}
& 42.6- \\
& 85.4 \\
& \hline
\end{aligned}
\] & 8.5 & 0.0-19.6 & 15.2 & 1.0-29.4 & 4.9 & 0.0-10.5 & 7.4 & 0.0-16.4 & 41.0 & 64.0 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{14}{|c|}{Location of accidental serious injuries among respondents seriously injured} \\
\hline & \multicolumn{13}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% Home & 95\% CI & School/workplace & 95\% CI & \% Road-StreetHighway & 95\% CI & \% Farm & 95\% CI &  & 95\% CI & \% other & 95\% CI \\
\hline 18-44 & 70 & 25.0 & \[
\begin{aligned}
& 13.1- \\
& 36.9
\end{aligned}
\] & 34.0 & \[
\begin{gathered}
21.5- \\
46.6
\end{gathered}
\] & 21.5 & 9.8-33.1 & 3.6 & 0.0-7.9 & 8.4 & 0.8-16.0 & 25.0 & \[
\begin{aligned}
& 13.1- \\
& 36.9
\end{aligned}
\] \\
\hline 45-69 & 51 & 37.8 & \[
\begin{aligned}
& 18.9- \\
& 56.8
\end{aligned}
\] & 24.2 & 8.5-40.0 & 16.4 & 6.0-26.8 & 16.1 & 0.0-37.7 & 0.0 & 0.0-0.0 & 37.8 & \[
\begin{aligned}
& 18.9- \\
& 56.8
\end{aligned}
\] \\
\hline 18-69 & 121 & 28.6 & \[
\begin{aligned}
& \hline 18.9- \\
& 38.4
\end{aligned}
\] & 31.2 & \[
\begin{gathered}
\hline 21.7- \\
40.8
\end{gathered}
\] & 20.0 & \[
\begin{aligned}
& \hline 11.0- \\
& 29.0
\end{aligned}
\] & 7.1 & 0.0-14.6 & 6.0 & 0.5-11.6 & 28.6 & \[
\begin{aligned}
& \hline 18.9- \\
& 38.4
\end{aligned}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V5,V7
- Epi Info program name: Vinjuryplace (unweighted); VinjuryplaceWT (weighted)

Percentage Description: Percentage of cyclists who did not always wear a helmet among of cyclists those riding a bike in the past 30 days.
not always
wearing a helmet
- In the past 30 days how often did you wear a helmet when you rode a bicycle or pedal cycle?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of cyclists that did not always use helmets when ridding among those riding a bike} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% Not always using helmets for cyclists & 95\% CI & N & \% Not always using helmets for cyclists & 95\% CI & n & \% Not always using helmets for cyclists & 95\% CI \\
\hline 18-44 & 356.0 & 12.2 & 8.1-16.4 & 527.0 & 6.5 & 3.9-9.0 & 883.0 & 9.5 & 7.1-12.0 \\
\hline 45-69 & 268.0 & 8.8 & 4.2-13.4 & 313.0 & 3.1 & 0.6-5.5 & 581.0 & 6.2 & 3.4-9.0 \\
\hline 18-69 & 356.0 & 12.2 & 8.1-16.4 & 840.0 & 5.4 & 3.4-7.4 & 1464.0 & 8.5 & 6.6-10.4 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V8
- Epi Info program name: Vbicycle (unweighted); VbicycleWT (weighted)

Driving Description: Percentage of respondents who have driven a motorized vehicle after under having had 2 or more alcoholic drinks.
the effects of alcohol

Instrument question:
- In the past 30 days, how many times have you driven a motorized vehicle when you have had 2 or more alcoholic drinks?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Driving under the effects of alcohol} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% drove after drinking & 95\% CI & n & drov after rinkin & 95\% CI & n & \begin{tabular}{l}
drov \\
after \\
rinking
\end{tabular} & 95\% CI \\
\hline 18-44 & 572.0 & 10.6 & 7.2-13.9 & 933.0 & 2.0 & 1.0-3.1 & 1505.0 & 6.6 & 4.7-8.5 \\
\hline 45-69 & 444.0 & 5.1 & 2.3-7.9 & 554.0 & 0.1 & 0.0-0.3 & 998.0 & 2.7 & 1.2-4.1 \\
\hline 18-69 & 1016.0 & 8.9 & 6.4-11.4 & 1487.0 & 1.4 & 0.7-2.2 & 2503.0 & 5.4 & 4.0-6.8 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V9
- Epi Info program name: Vdrovedrunk (unweighted); VdrovedrunkWT (weighted)

Riding in a Description: Percentage of respondents who rode in a motorized vehicle where vehicle with a the driver has had 2 or more alcoholic drinks. driver under the effect of alcohol

Instrument question:
- In the past 30 days, how many times have you ridden in a motorized vehicle where the driver has had 2 or more alcoholic drinks?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Riding in a vehicle with a driver under the effect of alcohol} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% rode with driver who drank & 95\% CI & n & \% rode with driver who drank & 95\% CI & n & \% rode with driver who drank & 95\% CI \\
\hline 18-44 & 535.0 & 83.3 & \[
\begin{aligned}
& \hline 78.6- \\
& 87.9
\end{aligned}
\] & 856 & 91.2 & \[
\begin{gathered}
\hline 88.7- \\
93.6
\end{gathered}
\] & 1391.0 & 86.9 & \[
\begin{gathered}
84.3- \\
89.6
\end{gathered}
\] \\
\hline 45-69 & 406.0 & 94.9 & \[
\begin{aligned}
& 92.6- \\
& 97.3 \\
& \hline
\end{aligned}
\] & 509 & 96.4 & \[
\begin{gathered}
94.3- \\
98.5
\end{gathered}
\] & 915.0 & 95.6 & \[
\begin{aligned}
& 94.1- \\
& 97.2
\end{aligned}
\] \\
\hline 18-69 & 941.0 & 86.7 & \[
\begin{gathered}
83.4- \\
90.1
\end{gathered}
\] & 1365 & 92.8 & \[
\begin{gathered}
90.9- \\
94.6
\end{gathered}
\] & 2306.0 & 89.6 & \[
\begin{aligned}
& 87.6- \\
& 91.5
\end{aligned}
\] \\
\hline
\end{tabular}

Analysis Information:
- Questions used: V10
- Epi Info program name: Vdriverdrunk (unweighted); VdriverdrunkWT (weighted)

Percentage of Description: Percentage of respondents involved in a violent incident during respondents the past 12 months resulting in an injury.
involved in a
violent incident resulting in a serious injury

Instrument question:
- In the past 12 months, how many times were you in a violent incident in which you were injured and required medical attention?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of respondents seriously injured from violent incidents} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \%
Seriously
injured
from
violent
incidents & 95\% CI & n & \%
Seriously injured from violent incidents & 95\% CI & n & \%
Seriously
injured
from
violent
incidents & 95\% CI \\
\hline 18-44 & 599.0 & 97.9 & 96.5-99.2 & 996.0 & 98.6 & \[
\begin{aligned}
& 97.3- \\
& 99.8
\end{aligned}
\] & 1595.0 & 98.2 & 97.2-99.1 \\
\hline 45-69 & 466.0 & 98.1 & 96.4-99.9 & 592.0 & 98.2 & \[
\begin{aligned}
& 97.0- \\
& 99.5
\end{aligned}
\] & 1058.0 & 98.2 & 97.1-99.3 \\
\hline 18-69 & 1065.0 & 97.9 & 96.9-99.0 & 1588.0 & 98.5 & \[
\begin{gathered}
97.5- \\
99.4
\end{gathered}
\] & 2653.0 & 98.2 & 97.4-99.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V11
- Epi Info program name: Vviolentinjury (unweighted); VviolentinjuryWT (weighted)

Serious Description: Causes of injury from a violent incident among respondents involved injuries in a violent incident during the past 12 months
caused by firearms or other weapons Instrument questions:
- In the past 12 months, how many times were you in a violent incident in which you were injured and required medical attention?
- Please indicate which of the following caused your injury?
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|l|}{Causes of injury from a violent incident among respondents involved in a violent incident} \\
\hline & \multicolumn{7}{|c|}{Men} \\
\hline Age Group (years) & n & \[
\begin{gathered}
\text { \% } \\
\text { Firearm }
\end{gathered}
\] & 95\% CI & \% other weapon & 95\% CI & Injured without a weapon & 95\% CI \\
\hline 18-44 & 16 & 0 & - & 30.8 & 16.5-45.0 & 69.2 & 55.0-83.5 \\
\hline 45-69 & 5 & 0 & - & 55.9 & 0.0-100.0 & 44.1 & 0.0-100.0 \\
\hline 18-69 & 21 & 0 & - & 37.4 & 13.6-61.2 & 62.6 & 38.8-86.4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|l|}{Causes of injury from a violent incident among respondents involved in a violent incident} \\
\hline & \multicolumn{7}{|c|}{Women} \\
\hline Age Group (years) & n & \% Firearm & 95\% CI & \% other weapon & 95\% CI &  & 95\% CI \\
\hline 18-44 & 7.0 & 0 & - & 34.1 & 0.0-76.9 & 65.9 & 23.1-100.0 \\
\hline 45-69 & 7.0 & 0 & - & 41.9 & 14.6-69.3 & 58.1 & 30.7-85.4 \\
\hline 18-69 & 14.0 & 0 & - & 37.6 & 4.0-71.1 & 62.4 & 28.9-96.0 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|l|}{Causes of injury from a violent incident among respondents involved in a violent incident} \\
\hline & \multicolumn{7}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% Firearm & 95\% CI & \% other weapon & 95\% CI & Injured without a weapon & 95\% CI \\
\hline 18-44 & 23.0 & 0 & - & 31.6 & 14.6-48.6 & 68.4 & 51.4-85.4 \\
\hline 45-69 & 12.0 & 0 & - & 50.1 & 7.9-92.3 & 49.9 & 7.7-92.1 \\
\hline 18-69 & 35.0 & 0 & - & 37.5 & 17.6-57.4 & 62.5 & 42.6-82.4 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V11, V12
- Epi Info program name: Vviolentinjurycause (unweighted); VviolentinjurycauseWT (weighted)

Persons causing Description: Relationship status between respondents and those that have caused their injuries during a violent incident in the past violent injury 12 months.

Instrument questions:
- In the past 12 months, how many times were you in a violent incident in which you were injured and required medical attention?
- Please indicate the relationship between yourself and the person(s) who caused your injury.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{18}{|c|}{Percentage of those receiving violent injuries caused by different persons} \\
\hline \multicolumn{18}{|c|}{Percentage of those receiving violent injuries caused by different persons} \\
\hline Age Group & n & \[
\begin{gathered}
\hline \% \\
\text { Intimat } \\
\mathrm{e} \\
\text { partner }
\end{gathered}
\] & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% Paren t & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% Child, sibling, or other relative & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% Friend or acquainttance & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \begin{tabular}{l}
\% \\
Unrelate d caregiver
\end{tabular} & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] &  & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \%Official or legal authoritie s & \[
\begin{gathered}
95 \% \\
\mathrm{CI}
\end{gathered}
\] & \% Other & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] \\
\hline 18-44 & 16 & 9.8 & \[
6.3-
\] & & & 0.5 & \[
\begin{gathered}
0.0- \\
1.6
\end{gathered}
\] & 51.1 & \[
\begin{gathered}
33.4- \\
68.7
\end{gathered}
\] & & & 17.0 & \[
\begin{aligned}
& \hline 0.0- \\
& 37.6
\end{aligned}
\] & & & 21.7 & \[
\begin{aligned}
& 8.9- \\
& 34.4
\end{aligned}
\] \\
\hline 45-69 & 6 & 0.0 & \[
\begin{gathered}
0.0- \\
0.0
\end{gathered}
\] & & & 0.0 & \[
\begin{array}{r}
0.0- \\
0.0 \\
\hline
\end{array}
\] & 31.4 & \[
\begin{gathered}
0.0- \\
73.2 \\
\hline
\end{gathered}
\] & & & 68.6 & \[
\begin{array}{r}
26.8- \\
100.0 \\
\hline
\end{array}
\] & & & 0.0 & \[
\begin{array}{r}
0.0- \\
0.0 \\
\hline
\end{array}
\] \\
\hline 18-69 & 22 & 7.1 & \[
\begin{gathered}
\hline 5.3- \\
8.9 \\
\hline
\end{gathered}
\] & & & 0.4 & \[
\begin{gathered}
0.0- \\
\hline 0.0- \\
1.1
\end{gathered}
\] & 45.7 & \[
\begin{gathered}
32.9- \\
58.6
\end{gathered}
\] & & & 31.0 & \[
\begin{gathered}
\hline 11.6- \\
50.4
\end{gathered}
\] & & & 15.8 & \[
\begin{aligned}
& \hline 7.8- \\
& 23.7 \\
& \hline
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{18}{|c|}{Percentage of those receiving violent injuries caused by different persons} \\
\hline \multirow[b]{2}{*}{Age Group} & \multicolumn{17}{|c|}{Women} \\
\hline & n & \[
\begin{gathered}
\text { \% } \\
\text { Intimat } \\
\text { e } \\
\text { partner } \\
\hline
\end{gathered}
\] & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% Paren t & \[
\begin{gathered}
95 \% \\
\text { CI }
\end{gathered}
\] & \% Child, sibling, or other relative & \[
\begin{gathered}
95 \% \\
\mathrm{CI}
\end{gathered}
\] & \% Friend or acquainttance & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \begin{tabular}{l}
\% \\
Unrelate d caregiver
\end{tabular} & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] &  & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \%Official or legal authoritie s & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% Other & \[
\begin{gathered}
95 \% \\
\mathrm{CI}
\end{gathered}
\] \\
\hline 18-44 & 8 & 47.3 & \[
\begin{aligned}
& \hline 8.5- \\
& 86.1
\end{aligned}
\] & & & 8.1 & \[
\begin{aligned}
& \hline 0.0- \\
& 27.7
\end{aligned}
\] & 41.0 & \[
\begin{aligned}
& \hline 7.8- \\
& 74.2
\end{aligned}
\] & & & 3.6 & \[
\begin{aligned}
& \hline 0.0- \\
& 14.6
\end{aligned}
\] & & & 0.0 & \[
\begin{gathered}
\hline 0.0- \\
0.0
\end{gathered}
\] \\
\hline 45-69 & 7 & 23.8 & \[
\begin{aligned}
& 10.4- \\
& 37.2 \\
& \hline
\end{aligned}
\] & & & 3.3 & \[
\begin{gathered}
1.4- \\
5.2 \\
\hline
\end{gathered}
\] & 16.0 & \[
\begin{gathered}
0.0- \\
53.6
\end{gathered}
\] & & & 43.6 & \[
\begin{aligned}
& 16.2- \\
& 71.1 \\
& \hline
\end{aligned}
\] & & & 13.3 & \[
\begin{aligned}
& 5.8- \\
& 20.8
\end{aligned}
\] \\
\hline 18-69 & 15 & 39.8 & \[
\begin{aligned}
& \hline 6.3- \\
& 73.4
\end{aligned}
\] & & & 6.6 & \[
\begin{aligned}
& \hline 0.0- \\
& 21.1 \\
& \hline
\end{aligned}
\] & 33.1 & \[
\begin{aligned}
& \hline 9.3- \\
& 56.8
\end{aligned}
\] & & & 16.3 & \[
\begin{aligned}
& \hline 0.0- \\
& 33.4
\end{aligned}
\] & & & 4.2 & \[
\begin{gathered}
\hline 2.3- \\
6.1
\end{gathered}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{18}{|c|}{Percentage of those receiving violent injuries caused by different persons} \\
\hline & \multicolumn{17}{|c|}{Both Sexes} \\
\hline Age Group & n & \[
\begin{gathered}
\hline \% \\
\text { Intimat } \\
e \\
\text { partner } \\
\hline
\end{gathered}
\] & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \begin{tabular}{l}
\% \\
Paren \\
t
\end{tabular} & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% Child, sibling, or other relative & \[
\begin{gathered}
95 \% \\
\mathrm{CI}
\end{gathered}
\] & ```
% Friend
    or
acquaint-
    tance
``` & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% Unrelate d caregiver & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \begin{tabular}{l}
\% \\
Strange \\
\(r\)
\end{tabular} & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \%Official or legal authoritie s & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% Other & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] \\
\hline 18-44 & 24 & 23.1 & \[
\begin{aligned}
& 3.6- \\
& 42.5
\end{aligned}
\] & & & 3.2 & \[
\begin{gathered}
\hline 0.0- \\
9.2
\end{gathered}
\] & 47.5 & \[
\begin{aligned}
& \hline 21.2- \\
& 73.9
\end{aligned}
\] & & & 12.3 & \[
\begin{aligned}
& \hline 0.0- \\
& 25.7
\end{aligned}
\] & & & 14.0 & \[
\begin{aligned}
& \hline 0.0- \\
& 36.7
\end{aligned}
\] \\
\hline 45-69 & 13 & 9.6 & \[
\begin{aligned}
& 0.0- \\
& 28.6 \\
& \hline
\end{aligned}
\] & & & 1.3 & \[
\begin{gathered}
7.5- \\
2.1 \\
\hline
\end{gathered}
\] & 25.2 & \[
\begin{gathered}
0.0- \\
51.6 \\
\hline
\end{gathered}
\] & & & 58.5 & \[
\begin{array}{r}
28.7- \\
88.3 \\
\hline
\end{array}
\] & & & 5.4 & \[
\begin{aligned}
& 0.0- \\
& 16.5 \\
& \hline
\end{aligned}
\] \\
\hline 18-69 & 37 & 19.2 & \[
\begin{aligned}
& \hline 2.8- \\
& 35.6 \\
& \hline
\end{aligned}
\] & & & 2.7 & \[
\begin{gathered}
\hline 0.0- \\
7.0 \\
\hline
\end{gathered}
\] & 41.1 & \[
\begin{gathered}
25.6- \\
56.5 \\
\hline
\end{gathered}
\] & & & 25.6 & \[
\begin{gathered}
13.8- \\
37.3 \\
\hline
\end{gathered}
\] & & & 11.5 & \[
\begin{aligned}
& 0.0- \\
& 28.8 \\
& \hline
\end{aligned}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V11, V13
- Epi Info program name: Vviolentinjuryrel (unweighted); VviolentinjuryrelWT (weighted)

Percentage Description: Percentage of respondents who reported being physically abused of during childhood by a parent or other adult in the household.
respondents
being physically abused during childhood

Instrument question:
- Looking back on your childhood (before age 18 years), did a parent or adult in the household ever push, grab, shove, slap, hit, burn, or throw something at you?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of respondents being physically abused during childhood} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% physical childhood abuse & 95\% CI & n & \% physical childhood abuse & 95\% CI & n & \% physical childhood abuse & 95\% CI \\
\hline 18-44 & 256 & 40.7 & 33.9-47.4 & 435 & 40.0-47.9 & 43.9 & 691 & 42.2 & 38.0-46.5 \\
\hline 45-69 & 184 & 39.0 & 32.0-46.0 & 246 & 40.9-52.0 & 46.5 & 430 & 42.7 & 38.7-46.7 \\
\hline 18-69 & 440 & 40.2 & 34.5-45.9 & 681 & 41.3-48.2 & 44.7 & 1121 & 42.4 & 39.1-45.7 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V14
- Epi Info program name: Vphysicalabuse (unweighted); VphysicalabuseWT (weighted)

Percentage Description: Percentage of respondents being sexually abused during childhood. of respondents Instrument question:
being
sexually
abused
during childhood
- Looking back on your childhood, did an adult or anyone at least five (5) years older than you ever touch you sexually or try to make you touch them sexually or force you to have sex?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of respondents being sexually abused during childhood} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n &  & 95\% CI & n & \%
sexual childhood abuse & 95\% CI & n &  & 95\% CI \\
\hline 18-44 & 16 & 2.3 & 1.0-3.7 & 57 & 6.3 & 4.0-8.7 & 73 & 4.2 & 3.0-5.5 \\
\hline 45-69 & 11 & 2.0 & 0.6-3.4 & 38 & 7.1 & 3.8-10.4 & 49 & 4.5 & 2.8-6.3 \\
\hline 18-69 & 27 & 2.2 & 1.2-3.3 & 95 & 6.6 & 4.8-8.4 & 122 & 4.3 & 3.3-5.3 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V15
- Epi Info program name: Vsexabusechild (unweighted); VsexabusechildWT (weighted)

Percentage Description: Percentage of respondents being sexually abused during adulthood.
of
respondents Instrument question:
being - Since your 18th birthday, have you ever experienced a sex act involving
sexually
abused
during
adulthood either: vaginal, oral, or anal penetration against your will?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of respondents being sexually abused during adulthood} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% of respondents sexually abused in adulthood & 95\% CI & n & \begin{tabular}{l}
\% of \\
responde \\
sexually \\
abused \\
adultho
\end{tabular} & 95\% CI & n & \% of respondents sexually abused in adulthood & 95\% CI \\
\hline 18-44 & 24 & 3.6 & 1.8-5.4 & 61 & 5.7 & 3.5-8.0 & 85 & 4.6 & 3.4-5.9 \\
\hline 45-69 & 13 & 2.0 & 0.8-3.3 & 29 & 3.7 & 2.1-5.3 & 42 & 2.9 & 1.8-3.9 \\
\hline 18-69 & 37 & 3.1 & 1.8-4.4 & 90 & 5.1 & 3.5-6.7 & 127 & 4.1 & 3.2-5.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V16
- Epi Info program name: Vsexabuseadult (unweighted); VsexabuseadultWT (weighted)

Percentage Description: Percentage of respondents who reported being frightened for the of those frightened for safety because of anger or threats of another person
safety of themselves or their families because of the anger or threats of another person.

Instrument question:
- In the past 12 months, have you been frightened for the safety of yourself or your family because of the anger or threats of another person (s)?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of respondents frightened for their safety because of another person} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% frightened for safety & 95\% CI & n & \% frightened for safety & 95\% CI & n & \% frightened for safety & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] \\
\hline 18-44 & 57 & 11.1 & \[
\begin{aligned}
& \hline 6.0- \\
& 16.3
\end{aligned}
\] & 110 & 12.0 & \[
\begin{aligned}
& \hline 7.9- \\
& 16.2
\end{aligned}
\] & 167 & 11.6 & \[
\begin{aligned}
& \hline 7.3- \\
& 15.9
\end{aligned}
\] \\
\hline 45-69 & 36 & 8.7 & \[
\begin{aligned}
& 4.8- \\
& 12.6
\end{aligned}
\] & 57 & 8.3 & \[
\begin{aligned}
& 5.8- \\
& 10.7
\end{aligned}
\] & 93 & 8.5 & \[
\begin{aligned}
& 6.2- \\
& 10.7
\end{aligned}
\] \\
\hline 18-69 & 93 & 10.4 & \[
\begin{aligned}
& 5.9- \\
& 14.9 \\
& \hline
\end{aligned}
\] & 167 & 10.8 & \[
\begin{aligned}
& 8.0- \\
& 13.7
\end{aligned}
\] & 260 & 10.6 & \[
\begin{array}{r}
7.2- \\
14.1 \\
\hline
\end{array}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V17
- Epi Info program name: Vfear (unweighted); VfearWT (weighted)

Percentage of respondents
frightened, by
type of person of
whom they were
frightened

Description: Percentage of respondents who reported being frightened by each of the types of people in the table below.

Instrument question:
- In the past 12 months, have you been frightened for the safety of yourself or your family because of the anger or threats of another person (s)?
- Please specify of whom you were most often frightened.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{14}{|c|}{Percentage of respondents frightened by each of the following types of people} \\
\hline & \multicolumn{13}{|c|}{Men} \\
\hline Age Group (years) & n & \% Someone within the family & 95\% CI & \% Friend or acquaintance & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \begin{tabular}{l}
\% \\
Unrelated caregiver
\end{tabular} & 95\% Cl & \begin{tabular}{l}
\% \\
Stranger
\end{tabular} & 95\% CI & \% Official or legal authority & 95\% CI & \% Other & 95\% CI \\
\hline 18-44 & 15 & 44.7 & \[
\begin{aligned}
& 14.2- \\
& 75.3
\end{aligned}
\] & 6.4 & \[
\begin{aligned}
& 0.0- \\
& 13.0
\end{aligned}
\] & 0.0 & 0.0-0.0 & 38.5 & \[
\begin{gathered}
14.9- \\
62.2
\end{gathered}
\] & 0.0 & 0.0-0.0 & 10.3 & \[
\begin{gathered}
0.5 \\
20.3
\end{gathered}
\] \\
\hline 45-69 & 11 & 40.2 & \[
\begin{gathered}
10.8- \\
69.6
\end{gathered}
\] & 26.5 & \[
\begin{aligned}
& 5.5- \\
& 47.6
\end{aligned}
\] & 2.2 & 0.0-6.7 & 15.5 & 0.4-30.5 & 1.8 & 0.0-5.5 & 13.8 & \[
\begin{gathered}
0.7 \\
26.8
\end{gathered}
\] \\
\hline 18-69 & 26 & 43.6 & \[
\begin{aligned}
& 14.4- \\
& 72.8 \\
& \hline
\end{aligned}
\] & 11.4 & \[
\begin{aligned}
& \hline 3.1- \\
& 19.8 \\
& \hline
\end{aligned}
\] & 0.6 & 0.0-1.7 & 32.8 & \[
\begin{aligned}
& \hline 13.5- \\
& 52.0 \\
& \hline
\end{aligned}
\] & 0.5 & 0.0-1.3 & 11.2 & \[
\begin{aligned}
& \hline 2.4 \\
& 20.02 \\
& \hline
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{14}{|c|}{Percentage of respondents frightened by each of the following types of people} \\
\hline & \multicolumn{13}{|c|}{Women} \\
\hline Age Group (years) & n & \% Someone within the family & 95\% CI & \% Friend or acquaintance & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \begin{tabular}{l}
\% \\
Unrelated caregiver
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% \\
Stranger
\end{tabular} & 95\% CI & \% Official or legal authority & 95\% CI & \% Other & 95\% CI \\
\hline 18-44 & & 52.5 & \[
\begin{gathered}
42.4- \\
62.6
\end{gathered}
\] & 4.8 & 0.6-9.0 & 0.3 & 0.0-1.0 & 35.4 & \[
\begin{gathered}
25.0- \\
45.8
\end{gathered}
\] & 0.0 & 0.0-0.0 & 6.9 & \[
\begin{gathered}
1.4 \\
12.5
\end{gathered}
\] \\
\hline 45-69 & & 27.6 & \[
\begin{aligned}
& 14.7- \\
& 40.4 \\
& \hline
\end{aligned}
\] & 15.1 & \[
\begin{array}{r}
3.0- \\
27.1 \\
\hline
\end{array}
\] & 3.3 & 0.0-9.6 & 42.5 & \[
\begin{array}{r}
26.8- \\
58.2 \\
\hline
\end{array}
\] & 1.2 & 0.0-3.7 & 10.4 & \[
\begin{gathered}
1.0 \\
19.8 \\
\hline
\end{gathered}
\] \\
\hline 18-69 & & 46.5 & \[
\begin{gathered}
37.5- \\
55.6 \\
\hline
\end{gathered}
\] & 7.3 & \[
\begin{aligned}
& 2.6- \\
& 11.9 \\
& \hline
\end{aligned}
\] & 1.0 & 0.0-2.7 & 37.1 & \[
\begin{gathered}
28.1- \\
46.1 \\
\hline
\end{gathered}
\] & 0.3 & 0.0-0.9 & 7.7 & \[
\begin{gathered}
2.5 \\
13.1 \\
\hline
\end{gathered}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{14}{|c|}{Percentage of respondents frightened by each of the following types of people} \\
\hline & \multicolumn{13}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% Someone within the family & 95\% CI & \% Friend or acquaintance & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \begin{tabular}{l}
\% \\
Unrelated caregiver
\end{tabular} & 95\% CI & \begin{tabular}{l}
\% \\
Stranger
\end{tabular} & 95\% CI & \% Official or legal authority & \[
\begin{gathered}
95 \% \\
\mathrm{Cl}
\end{gathered}
\] & \% Other & 95\% CI \\
\hline 18-44 & 73 & 48.6 & \[
\begin{aligned}
& 31.8- \\
& 65.5
\end{aligned}
\] & 5.6 & 1.5-9.7 & 0.2 & 0.0-0.5 & 37.0 & \[
\begin{gathered}
24.6- \\
49.3
\end{gathered}
\] & 0.0 & 0.0-0.0 & 48.6 & \[
\begin{aligned}
& \hline 31.8- \\
& 65.5
\end{aligned}
\] \\
\hline 45-69 & 28 & 34.1 & \[
\begin{aligned}
& 16.9- \\
& 51.2
\end{aligned}
\] & 21.0 & \[
\begin{aligned}
& 9.3- \\
& 326
\end{aligned}
\] & 2.7 & 0.0-6.6 & 28.6 & \[
\begin{gathered}
16.3- \\
40.9 \\
\hline
\end{gathered}
\] & 1.5 & 0.0-3.7 & 34.1 & \[
\begin{gathered}
16.9- \\
51.2
\end{gathered}
\] \\
\hline 18-69 & 101 & 45.1 & \[
\begin{array}{r}
28.4- \\
61.7
\end{array}
\] & 9.4 & \[
\begin{aligned}
& 4.3- \\
& 14.4 \\
& \hline
\end{aligned}
\] & 0.8 & 0.0-1.8 & 34.9 & \[
\begin{gathered}
24.2- \\
45.7
\end{gathered}
\] & 0.4 & 0.0-0.9 & 45.1 & \[
\begin{array}{r}
28.4- \\
61.7 \\
\hline
\end{array}
\] \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V18
- Epi Info program name: Vfearwho (unweighted); VfearwhoWT (weighted)
respondents carrying a gun for protection outside the

Percentage Description: Percentage of respondents carrying a loaded firearm outside the of home during the past 30 days for protection.

Instrument question:
- Have you carried a loaded firearm on your person outside the home in the last 30 days?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of respondents who carried a loaded firearm for protection outside of the home} \\
\hline \multicolumn{4}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \begin{tabular}{l}
\% carried \\
a loaded \\
firearm for protection outside home
\end{tabular} & 95\% CI & & \begin{tabular}{l}
\% carried \\
a loaded \\
firearm for protection outside home
\end{tabular} & 95\% CI & n & \begin{tabular}{l}
\% carried \\
a loaded \\
firearm for protection outside home
\end{tabular} & 95\% CI \\
\hline 18-44 & 6 & 0.8 & 0.1-1.4 & 3 & 0.1 & 0.0-0.3 & 9 & 0.5 & 0.1-0.8 \\
\hline 45-69 & 13 & 1.5 & 0.5-2.5 & 0 & 0.0 & 0.0-0.0 & 13 & 0.8 & 0.3-1.3 \\
\hline 18-69 & 19 & 1.0 & 0.5-1.5 & 3 & 0.1 & 0.0-0.2 & 22 & 0.6 & 0.3-0.9 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: V19
- Epi Info program name: Vweapon (unweighted); VweaponWT (weighted)

\section*{Mental health / Suicide}

Population Description: Percentage of respondents who seriously considered attempting
having considered attempting suicide in past 12 months
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage having considered attempting suicide in the last 12 months} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% considered attempting suicide & 95\% CI & n & \% considered attempting suicide & 95\% CI & n & \% considered attempting suicide & 95\% CI \\
\hline 18-44 & 600 & 2.1 & 1.0-3.2 & 999 & 8.2 & 5.9-10.4 & 1599 & 5.0 & 3.8-6.2 \\
\hline 45-69 & 466 & 3.9 & 0.2-7.6 & 593 & 2.2 & 0.9-3.5 & 1059 & 3.1 & 1.1-5.1 \\
\hline 18-69 & 1066 & 2.6 & 1.4-3.9 & 1592 & 6.3 & 4.7-7.9 & 2658 & 4.4 & 3.2-5.6 \\
\hline
\end{tabular}

Analysis Information:
- Questions used: MH1
- Epi Info program name: MHconsidered (unweighted); MHconsideredWT (weighted)

Population Description: Percentage of respondents who sought professional help among having those who considered attempting suicide in the past 12 months. sought professional help
suicide in the last 12 months among all respondents.

Instrument question:
- During the past 12 months, have you seriously considered attempting suicide?

Population Description: Percentage of respondents who made a plan about how to attempt having planned how to attempt suicide suicide in the past 12 months.

Instrument question:
- During the past 12 months, have you made a plan about how you would attempt suicide?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage having sought professional help} \\
\hline \multicolumn{4}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% planned how to attempt suicide & 95\% CI & n & \% planned how to attempt suicide & 95\% CI & n & \% planned how to attempt suicide & 95\% CI \\
\hline 18-44 & 600 & 2.1 & 1.0-3.2 & 999 & 8.2 & 5.9-10.4 & 1599 & 5.0 & 3.8-6.2 \\
\hline 45-69 & 466 & 3.9 & 0.2-7.6 & 593 & 2.2 & 0.9-3.5 & 1059 & 3.1 & 1.1-5.1 \\
\hline 18-69 & 1066 & 2.6 & 1.4-3.9 & 1592 & 6.3 & 4.7-7.9 & 2658 & 4.4 & 3.2-5.6 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: MH3
- Epi Info program name: MHplan (unweighted); MHplanWT (weighted)

Population Description: Percentage of respondents who have ever attempted suicide among having all respondents.
ever attempted suicide

Instrument question:
- Have you ever attempted suicide?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage having ever attempted suicide} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n &  & 95\% CI & n & attempted suicide & 95\% CI & n &  & 95\% CI \\
\hline 18-44 & 598 & 1.3 & 0.4-2.2 & 999 & 5.4 & 3.4-7.4 & 1597 & 3.2 & 2.1-4.3 \\
\hline 45-69 & 467 & 2.3 & 0.8-3.8 & 593 & 2.9 & 1.4-4.4 & 1060 & 2.6 & 1.5-3.7 \\
\hline 18-69 & 1065 & 1.6 & 0.8-2.4 & 1592 & 4.6 & 3.2-6.0 & 2657 & 3.0 & 2.2-3.9 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: MH4
- Epi Info program name: MHattempted (unweighted); MHattemptedWT (weighted)

Population Description: Percentage of respondents who have attempted suicide in the past having \(\quad 12\) months among those who have ever attempted suicide. attempted suicide in Instrument question:
- Have you ever attempted suicide?
the last 12
months
- During the past 12 months, have you attempted suicide?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage having attempted suicide in the last 12 months} \\
\hline \multicolumn{4}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% attempted suicide in past 12 months & 95\% CI & n &  & 95\% Cl & n & attempted suicide in past 12 months & 95\% CI \\
\hline 18-44 & 9 & 43.8 & 3.4-84.3 & 45 & 36.7 & \[
\begin{aligned}
& \hline 18.3- \\
& 55.0
\end{aligned}
\] & 54 & 38.1 & 21.5-54.8 \\
\hline 45-69 & 13 & 31.8 & 9.6-54.1 & 18 & 27.1 & 1.6-52.6 & 31 & 29.2 & 8.7-49.7 \\
\hline 18-69 & 22 & 38.6 & 13.5-63.7 & 63 & 34.8 & \[
\begin{aligned}
& 19.7- \\
& 49.8
\end{aligned}
\] & 85 & 35.8 & 22.6-49.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: MH4, MH5
- Epi Info program name: MHattemptedyear (unweighted); MHattemptedyearWT (weighted)

Method Description: Percentage of different methods used the last time suicide was used last attempted among those respondents who have ever attempted suicide.
time suicide was attempted

Instrument questions:
- Have you ever attempted suicide?
- What was the main method you used the last time you attempted suicide?
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Method used last time suicide was attempted} \\
\hline \multicolumn{8}{|c|}{Men} \\
\hline Age Group (years) & n & \% razor, knife or other sharp instrument & 95\% CI & \% overdose of medication & 95\% CI & \% overdose of other substance & 95\% CI \\
\hline 18-44 & 9 & 43.8 & 3.4-84.3 & - & - & 9.7 & 0.0-31.9 \\
\hline 45-69 & 13 & 11.8 & 0.2-23.3 & - & - & 12.7 & 0.0-38.2 \\
\hline 18-69 & 22 & 29.9 & 4.5-55.2 & - & - & 11.0 & 0.0-27.8 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Method used last time suicide was attempted} \\
\hline & \multicolumn{9}{|c|}{Men} \\
\hline Age Group (years) & n & ```
    %
poisoning
    with
pesticides
``` & 95\% CI & \% other poisoning & 95\% CI & ```
%
poisonous
    gases
        from
    charcoal
``` & 95\% CI & \% other & 95\% CI \\
\hline 18-44 & 9 & 25.2 & 0.0-59.0 & 0.0 & 0.0-0.0 & - & & 21.2 & 11.5-31.0 \\
\hline 45-69 & 13 & 6.4 & 0.0-15.4 & 10.3 & \[
\begin{aligned}
& 0.0- \\
& 32.1
\end{aligned}
\] & - & - & 58.9 & 29.2-88.6 \\
\hline 18-69 & 22 & 17.0 & 0.0-37.3 & 4.5 & \[
0.0-
\] & - & - & 37.7 & 19.4-55.9 \\
\hline
\end{tabular}
\begin{tabular}{|cccccccc|}
\hline \multicolumn{7}{c|}{ Method used last time suicide was attempted } \\
\hline & \multicolumn{6}{c|}{ Women } \\
\cline { 2 - 8 } \begin{tabular}{c} 
Age Group \\
(years)
\end{tabular} & n & \begin{tabular}{c} 
\% razor, \\
knife or \\
other \\
sharp \\
instrument
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c}
\(\%\) \\
overdose \\
of \\
medication
\end{tabular} & \(95 \% \mathrm{Cl}\) & \begin{tabular}{c}
\(\%\) \\
overdose \\
of other \\
substance
\end{tabular} & \(95 \% \mathrm{Cl}\) \\
\hline \(18-44\) & 8 & 12.3 & \(0.5-24.2\) & 26.5 & \(10.9-42.1\) & 12.2 & \(7.4-17.1\) \\
\(45-69\) & 4 & 0.0 & \(0.0-0.0\) & 41.0 & \(12.1-69.9\) & 0.0 & \(0.0-0.0\) \\
\hline \(\mathbf{1 8 - 6 9}\) & 12 & 10.3 & \(0.2-20.4\) & 28.9 & \(15.2-42.6\) & 10.2 & \(6.6-13.9\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Method used last time suicide was attempted} \\
\hline & \multicolumn{9}{|c|}{Women} \\
\hline Age Group (years) & n & \begin{tabular}{l}
\% \\
poisoning with pesticides
\end{tabular} & 95\% CI & \% other poisoning & 95\% CI & \% poisonous gases from charcoal & 95\% CI & \% other & 95\% CI \\
\hline 18-44 & 8 & 29.2 & 7.4-50.9 & 5.2 & \[
\begin{aligned}
& \hline 0.0- \\
& 10.5
\end{aligned}
\] & - & - & - & - \\
\hline 45-69 & 4 & 24.2 & 0.5-47.9 & 0.0 & 0.0-0.0 & - & - & - & - \\
\hline 18-69 & 12 & 28.3 & \[
\begin{aligned}
& 10.0- \\
& 46.7
\end{aligned}
\] & 4.4 & 0.0-8.8 & - & - & - & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Method used last time suicide was attempted} \\
\hline & \multicolumn{7}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% razor, knife or other sharp instrument & 95\% CI & \% overdose of medication & 95\% CI & \begin{tabular}{l}
\% \\
overdose of other substance
\end{tabular} & 95\% CI \\
\hline 18-44 & 10 & 19.1 & 5.3-32.8 & 20.9 & 8.6-33.1 & 11.7 & 6.1-17.3 \\
\hline 45-69 & 11 & 6.1 & 0.0-14.8 & 19.9 & 2.3-37.4 & 6.5 & 0.0-19.1 \\
\hline 18-69 & 21 & 15.9 & 4.9-26.9 & 20.6 & 11.0-30.2 & 10.4 & 5.5-15.4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Method used last time suicide was attempted} \\
\hline & \multicolumn{9}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% poisoning with pesticides & 95\% Cl & \% other poisoning & 95\% CI & \begin{tabular}{l}
\% \\
poisonous \\
gases \\
from \\
charcoal
\end{tabular} & 95\% CI & \% other & 95\% CI \\
\hline 18-44 & 10 & 28.3 & \[
\begin{aligned}
& \hline 10.0- \\
& 46.6
\end{aligned}
\] & 4.1 & 0.0-8.3 & & & & \\
\hline 45-69 & 11 & 15.0 & 2.6-27.4 & 5.3 & \[
\begin{aligned}
& 0.0- \\
& 15.8 \\
& \hline
\end{aligned}
\] & & & & \\
\hline 18-69 & 21 & 25.1 & \[
\begin{aligned}
& 10.4- \\
& 39.7
\end{aligned}
\] & 4.4 & 0.3-8.5 & & & & \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: MH4, MH6
- Epi Info program name: MHmethod (unweighted); MHmethodWT (weighted)

Population Description: Percentage of respondents who sought medical care the last time seeking they attempted suicide among those who have ever attempted suicide.
medical
care after
Instrument question:
last
- Have you ever attempted suicide?
suicide - Did you seek medical care for this attempt?
attempt
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage having sought medical care after last suicide attempt} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & sought care & 95\% CI & n & \[
\begin{gathered}
\% \\
\text { sought } \\
\text { care }
\end{gathered}
\] & 95\% CI & n & \[
\begin{gathered}
\% \\
\text { sought }
\end{gathered}
\]
care & 95\% CI \\
\hline 18-44 & 9 & 38.8 & 4.3-73.3 & 45 & 46.1 & 25.3-66.9 & 54 & 44.6 & 26.2-62.9 \\
\hline 45-69 & 12 & 18.2 & 0.0-40.0 & 18 & 29.9 & 7.7-52.1 & 30 & 25.0 & 8.6-41.4 \\
\hline 18-69 & 21 & 30.5 & 7.6-53.4 & 63 & 42.9 & 24.1-61.6 & 84 & 39.6 & 23.6-55.7 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: MH4, MH7
- Epi Info program name: MHsoughtcare (unweighted); MHsoughtcareWT (weighted)

Population Description: Percentage of respondents who were admitted to the hospital due to admitted the last time they attempted suicide among those who sought medical care for to hospital having ever attempted suicide.
for suicide attempt

Instrument question:
- Have you ever attempted suicide?
- Did you seek medical care for this attempt?
- Were you admitted to hospital overnight because of this attempt?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage having been admitted to the hospital due to suicide attempt} \\
\hline & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \% admitted to hospital & 95\% CI & n & ```
admitted
    to
hospital
``` & 95\% CI & n & \% admitted to hospital & 95\% CI \\
\hline 18-44 & 4 & 95.4 & \[
\begin{aligned}
& \hline 73.2- \\
& 100.0
\end{aligned}
\] & 19 & 66.6 & 51.0-82.2 & 23 & 71.8 & 59.5-84.1 \\
\hline 45-69 & 2 & 100.0 & \[
\begin{aligned}
& 100.0- \\
& 100.0 \\
& \hline
\end{aligned}
\] & 7 & 89.5 & \[
\begin{aligned}
& 68.0- \\
& 100.0 \\
& \hline
\end{aligned}
\] & 9 & 92.7 & \[
\begin{aligned}
& 77.6- \\
& 100.0 \\
& \hline
\end{aligned}
\] \\
\hline 18-69 & 6 & 96.5 & \[
\begin{aligned}
& 79.4- \\
& 100.0
\end{aligned}
\] & 26 & 69.8 & 57.7-81.8 & 32 & 75.1 & 65.2-85.1 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: MH4, MH7, MH8
- Epi Info program name: MHhospital (unweighted); MHhospitalWT (weighted)

Population having close family attempt suicide

Description: Percentage of respondents who have ever had anyone in their close family attempt suicide.

Instrument question:
- Has anyone in your close family (mother, father, brother, sister or children) ever attempted suicide?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage having close family who attempted suicide} \\
\hline \multicolumn{4}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \[
\begin{gathered}
\hline \% \\
\text { close } \\
\text { family } \\
\text { attempt } \\
\text { suicide }
\end{gathered}
\] & 95\% CI & n & \% close family attempt suicide & 95\% CI & n & \[
\begin{gathered}
\% \\
\text { \% } \\
\text { cose } \\
\text { family } \\
\text { attempt } \\
\text { suicide }
\end{gathered}
\] & 95\% CI \\
\hline 18-44 & 587 & 7.4 & 4.4-10.4 & 990 & 10.8 & 8.2-13.4 & 1577 & 9.0 & 7.2-10.9 \\
\hline 45-69 & 458 & 11.7 & 8.2-15.3 & 590 & 12.5 & 8.4-16.6 & 1048 & 12.1 & 9.7-14.6 \\
\hline 18-69 & 1045 & 8.7 & 6.3-11.2 & 1580 & 11.3 & 9.2-13.5 & 2625 & 10.0 & 8.4-11.6 \\
\hline
\end{tabular}

Analysis Information:
- Questions used: MH9
- Epi Info program name: MHfamilyattempt (unweighted); MHfamilyattemptWT (weighted)

Population Description: Percentage of respondents who have ever had anyone in their close having family die from suicide.
close
family die
from suicide

Instrument question:
- Has anyone in your close family (mother, father, brother, sister or children) ever died from suicide?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage having close family who died from suicide} \\
\hline \multicolumn{4}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \[
\begin{gathered}
\text { \% } \\
\text { close } \\
\text { family } \\
\text { died } \\
\text { from } \\
\text { suicide }
\end{gathered}
\] & 95\% CI & n & \% close family died from suicide & 95\% CI & n & \[
\begin{aligned}
& \text { \% } \\
& \text { close } \\
& \text { family } \\
& \text { died } \\
& \text { from } \\
& \text { suicide }
\end{aligned}
\] & 95\% CI \\
\hline 18-44 & 593 & 6.8 & 4.1-9.6 & 990 & 9.0 & 6.4-11.6 & 1583 & 7.9 & 6.0-9.7 \\
\hline 45-69 & 462 & 12.0 & 7.9-16.2 & 591 & 14.2 & 10.1-18.3 & 1053 & 13.1 & 10.5-15.7 \\
\hline 18-69 & 1055 & 8.4 & 6.3-10.5 & 1581 & 10.6 & 8.5-12.7 & 2636 & 9.5 & 7.9-11.1 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: MH10
- Epi Info program name: MHfamilydeath (unweighted); MHfamilydeathWT (weighted)

\section*{Physical Measurements}
\[
\begin{array}{ll}
\text { Blood } & \text { Description: Mean blood pressure among all respondents, including those } \\
\text { pressure } & \text { currently on medication for raised blood pressure. }
\end{array}
\]

Instrument question:
- Reading 1-3 systolic and diastolic blood pressure
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean systolic blood pressure ( mmHg )} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean & 95\% CI & n & Mean & 95\% CI & n & Mean & 95\% CI \\
\hline 18-44 & 597 & 125.2 & 123.6-126.9 & 995 & 116.5 & 115.3-117.8 & 1592 & 121.1 & 120.1-122.1 \\
\hline 45-69 & 464 & 136.3 & 132.7-139.9 & 589 & 136.3 & 134.1-138.5 & 1053 & 136.3 & 134.2-138.4 \\
\hline 18-69 & 1061 & 128.5 & 127.1-130.0 & 1584 & 122.8 & 121.5-124.0 & 2645 & 125.7 & 124.8-126.7 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean diastolic blood pressure ( mmHg )} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean & 95\% CI & n & Mean & 95\% CI & n & Mean & 95\% CI \\
\hline 18-44 & 597 & 76.3 & 74.8-77.9 & 995 & 73.4 & 72.5-74.3 & 1592 & 74.9 & 74.0-75.8 \\
\hline 45-69 & 464 & 83.9 & 81.8-86.0 & 589 & 84.2 & 82.7-85.7 & 1053 & 84.0 & 82.8-85.3 \\
\hline 18-69 & 1061 & 78.6 & 77.5-79.7 & 1584 & 76.8 & 76.0-77.6 & 2645 & 77.7 & 77.0-78.4 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: M4a, M4b, M5a, M5b, M6a, M6b
- Epi Info program name: Mbloodpressure (unweighted); MbloodpressureWT (weighted)

\section*{Raised blood Description: Percentage of respondents with raised blood pressure.} pressure

Instrument question:
- Reading 1-3 systolic and diastolic blood pressure
- During the past two weeks, have you been treated for raised blood pressure with drugs (medication) prescribed by a doctor or other health worker?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{SBP \(\geq 140\) and/or DBP \(\geq 90 \mathrm{mmHg}\), excluding those on medication for raised blood pressure} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 575 & 15.9 & 11.8-19.9 & 933 & 8.8 & 6.2-11.4 & 1508 & 12.5 & 10.2-14.8 \\
\hline 45-69 & 371 & 31.2 & 25.7-36.8 & 387 & 34.9 & 28.0-41.8 & 758 & 32.9 & 29.0-36.9 \\
\hline 18-69 & 946 & 19.8 & 16.1-23.5 & 1320 & 15.2 & 12.3-18.1 & 2266 & 17.7 & 15.6-19.8 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{SBP \(\geq 140\) and/or DBP \(\geq 90 \mathrm{mmHg}\) or currently on medication for raised blood pressure} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 593 & 18.2 & 14.0-22.4 & 989 & 13.5 & 10.6-16.3 & 1582 & 15.9 & 13.5-18.4 \\
\hline 45-69 & 457 & 45.7 & 40.3-51.1 & 571 & 54.8 & 49.4-60.2 & 1028 & 50.2 & 46.6-53.7 \\
\hline 18-69 & 1050 & 26.4 & 22.9-29.9 & 1560 & 26.2 & 23.4-29.0 & 2610 & 26.3 & 24.3-28.3 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{SBP \(\geq 160\) and/or DBP \(\geq 100 \mathrm{mmHg}\), excluding those on medication for raised blood pressure} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% Cl & n & \% & 95\% Cl & n & \% & 95\% CI \\
\hline 18-44 & 575 & 3.6 & 1.7-5.5 & 933 & 1.6 & 0.8-2.4 & 1508 & 2.7 & 1.6-3.7 \\
\hline 45-69 & 371 & 10.6 & 7.3-14.0 & 387 & 12.1 & 8.0-16.2 & 758 & 11.3 & 8.5-14.1 \\
\hline 18-69 & 946 & 5.4 & 3.7-7.1 & 1320 & 4.2 & 3.0-5.4 & 2266 & 4.8 & 3.7-6.0 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & \(95 \% \mathrm{Cl}\) & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 593 & 6.2 & 3.9-8.6 & 989 & 6.7 & 4.7-8.6 & 1582 & 6.5 & 4.9-8.0 \\
\hline 45-69 & 457 & 29.4 & 24.4-34.5 & 571 & 39.0 & 33.7-44.2 & 1028 & 34.1 & 30.6-37.6 \\
\hline 18-69 & 1050 & 13.1 & 11.0-15.3 & 1560 & 16.6 & 14.3-19.0 & 2610 & 14.8 & 13.2-16.4 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: M4a, M4b, M5a, M5b, M6a, M6b, M7
- Epi Info program name: Mraisedbp (unweighted); MraisedbpWT (weighted)

Blood Description: Raised blood pressure diagnosis, treatment and control among pressure diagnosis, treatment and control participants with raised blood pressure or taking medication for raised blood pressure.

Instrument questions:
- Have you ever had your blood pressure measured by a doctor or other health worker?
- Have you ever been told by a doctor or other health worker that you have raised blood pressure or hypertension?
- During the past two weeks, have you been treated for raised blood pressure with drugs (medication) prescribed by a doctor or other health worker?
- Reading 1-3 systolic and diastolic blood pressure
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Raised blood pressure diagnosis, treatment and control} \\
\hline & \multicolumn{9}{|c|}{Men} \\
\hline Age Group (years) & n & \% with raised blood pressure, not previously diagnosed & 95\% CI & \% with previously diagnosed raised blood pressure, not on medication & 95\% CI & \% with previously diagnosed raised blood pressure, on medication but not controlled & 95\% CI & \% with previously diagnosed raised blood pressure, on medication and blood pressure controlled & 95\% CI \\
\hline 18-44 & 115 & 76.8 & 68.4-85.2 & 10.3 & 4.6-16.0 & 10.3 & 4.2-16.4 & 2.6 & 0.0-5.3 \\
\hline 45-69 & 214 & 40.8 & 32.2-49.4 & 13.9 & 8.1-19.6 & 27.5 & 18.0-36.9 & 17.8 & 11.6-24.1 \\
\hline 18-69 & 329 & 58.2 & 51.2-65.1 & 12.1 & 8.3-16.0 & 19.2 & 13.0-25.4 & 10.5 & 6.8-14.1 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Raised blood pressure diagnosis, treatment and control} \\
\hline & \multicolumn{9}{|c|}{Women} \\
\hline Age Group (years) & n & \% with raised blood pressure, not previously diagnosed & 95\% CI & \% with previously diagnosed raised blood pressure, not on medication & 95\% CI & \% with previously diagnosed raised blood pressure, on medication but not controlled & 95\% CI & \% with previously diagnosed raised blood pressure, on medication and blood pressure controlled & 95\% CI \\
\hline 18-44 & 133 & 40.9 & 30.5-51.4 & 21.3 & 12.7-30.0 & 10.6 & 4.8-16.4 & 27.1 & 17.2-37.0 \\
\hline 45-69 & 309 & 26.9 & 19.6-34.1 & 17.8 & 10.8-24.8 & 32.6 & 26.0-39.3 & 22.7 & 16.9-28.5 \\
\hline 18-69 & 442 & 31.8 & 25.6-38.0 & 19.1 & 13.6-24.6 & 24.9 & 19.6-30.1 & 24.3 & 19.1-29.4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Raised blood pressure diagnosis, treatment and control} \\
\hline & \multicolumn{9}{|c|}{Both sexes} \\
\hline Age Group (years) & n & \% with raised blood pressure, not previously diagnosed & 95\% CI & \% with previously diagnosed raised blood pressure, not on medication & 95\% CI & \% with previously diagnosed raised blood pressure, on medication but not controlled & 95\% CI & \% with previously diagnosed raised blood pressure, on medication and blood pressure controlled & 95\% CI \\
\hline 18-44 & 248 & 62.3 & 54.7-69.9 & 14.8 & 9.7-19.8 & 10.4 & 6.2-14.7 & 12.5 & 8.0-17.0 \\
\hline 45-69 & 523 & 33.3 & 27.3-39.3 & 16.0 & 11.6-20.4 & 30.2 & 24.9-35.6 & 20.4 & 16.1-24.8 \\
\hline 18-69 & 771 & 45.5 & 40.2-50.7 & 15.5 & 12.1-18.8 & 21.9 & 18.0-25.8 & 17.1 & 13.8-20.4 \\
\hline
\end{tabular}

Mean heart Description: Mean heart rate (beats per minute).
rate
Instrument question:
- Reading 1-3 heart rate
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean heart rate (beats per minute)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & N & mean & 95\% CI & n & mean & 95\% CI & n & mean & 95\% CI \\
\hline 18-44 & 597 & 76.6 & 75.2-78.1 & 996 & 83.3 & 82.3-84.3 & 1593 & 79.8 & 78.8-80.8 \\
\hline 45-69 & 464 & 77.1 & 75.5-78.7 & 590 & 80.9 & 79.7-82.2 & 1054 & 79.0 & 77.9-80.1 \\
\hline 18-69 & 1061 & 76.8 & 75.5-78.0 & 1586 & 82.5 & 81.7-83.3 & 2647 & 79.6 & 78.7-80.4 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: M16a, M16b, M16c
- Epi Info program name: Mheartrate (unweighted); MheartrateWT (weighted)

Height, Description: Mean height, weight, and body mass index among all respondents weight and BMI (excluding pregnant women).

Instrument questions:
- For women: Are you pregnant?
- Height
- Weight
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{Mean height (cm)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} \\
\hline & n & Mean & 95\% CI & n & Mean & 95\% CI \\
\hline 18-44 & 598 & 169.4 & 167.7-171.1 & 987 & 157.5 & 156.6-158.4 \\
\hline 45-69 & 464 & 168.1 & 166.8-169.3 & 589 & 156.1 & 154.9-157.3 \\
\hline 18-69 & 1062 & 169.0 & 167.7-170.2 & 1576 & 157.1 & 156.3-157.8 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{Mean weight (kg)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} \\
\hline & n & Mean & 95\% CI & n & Mean & 95\% CI \\
\hline 18-44 & 598 & 69.6 & 66.8-72.4 & 987 & 67.7 & 65.8-69.5 \\
\hline 45-69 & 464 & 73.2 & 70.8-75.6 & 588 & 72.7 & 70.7-74.6 \\
\hline 18-69 & 1062 & 70.7 & 68.3-73.1 & 1575 & 69.2 & 67.8-70.7 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean BMI ( \(\mathrm{kg} / \mathrm{m}^{2}\) )} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean & 95\% CI & N & Mean & 95\% CI & n & Mean & 95\% CI \\
\hline 18-44 & 592 & 24.2 & 23.5-24.9 & 975 & 27.3 & 26.7-27.9 & 1567 & 25.7 & 25.2-26.2 \\
\hline 45-69 & 461 & 25.6 & 24.9-26.3 & 578 & 29.5 & 28.8-30.2 & 1039 & 27.5 & 27.0-28.1 \\
\hline 18-69 & 1053 & 24.6 & 24.0-25.3 & 1553 & 28.0 & 27.5-28.5 & 2606 & 26.2 & 25.8-26.7 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: M8, M11, M12
- Epi Info program name: Mbmi (unweighted); MbmiWT (weighted)

BMI Description: Percentage of respondents (excluding pregnant women) in each BMI categories category.

Instrument questions:
- For women: Are you pregnant?
- Height
- Weight
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{BMI classifications} \\
\hline \multicolumn{10}{|c|}{Men} \\
\hline Age Group (years) & n & \% Underweight <18.5 & 95\% CI & \begin{tabular}{l}
\% \\
Normal weight 18.5-24.9
\end{tabular} & 95\% CI & \[
\begin{gathered}
\text { \% BMI } \\
25.0-29.9
\end{gathered}
\] & 95\% CI & \[
\begin{gathered}
\text { \% } \\
\text { Obese }
\end{gathered}
\]
\[
\geq 30.0
\] & 95\% CI \\
\hline 18-44 & 592 & 10.4 & 6.8-14.0 & 54.3 & 49.9-58.7 & 22.3 & 17.9-26.7 & 13.0 & 9.6-16.5 \\
\hline 45-69 & 461 & 6.4 & 2.4-10.5 & 43.4 & 37.0-49.8 & 34.0 & 27.8-40.2 & 16.2 & 12.0-20.4 \\
\hline 18-69 & 1053 & 9.2 & 5.8-12.6 & 51.0 & 47.2-54.8 & 25.8 & 21.8-29.8 & 14.0 & 11.1-16.8 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{BMI classifications} \\
\hline \multicolumn{10}{|c|}{Women} \\
\hline Age Group (years) & n & \begin{tabular}{l}
\% Under- \\
weight \\
<18.5
\end{tabular} & 95\% CI &  & 95\% CI & \[
\begin{gathered}
\text { \% BMI } \\
25.0- \\
29.9
\end{gathered}
\] & 95\% CI & \[
\begin{gathered}
\text { \% } \\
\text { Obese } \\
\geq 30.0
\end{gathered}
\] & 95\% CI \\
\hline 18-44 & 975 & 6.7 & 4.6-8.9 & 37.4 & 33.5-41.2 & 26.1 & 22.3-30.0 & 29.8 & 26.0-33.6 \\
\hline 45-69 & 578 & 2.4 & 0.9-3.8 & 22.9 & 18.7-27.2 & 31.4 & 26.9-35.8 & 43.3 & 38.1-48.6 \\
\hline 18-69 & 1553 & 5.4 & 3.8-6.9 & 32.8 & 29.8-35.9 & 27.8 & 25.1-30.5 & 34.0 & 31.1-37.0 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{BMI classifications} \\
\hline \multicolumn{10}{|c|}{Both Sexes} \\
\hline Age Group (years) & n & \begin{tabular}{l}
\% Under- \\
weight \\
<18.5
\end{tabular} & 95\% CI & \%
Normal
weight
\(18.5-24.9\) & 95\% CI & \[
\begin{gathered}
\text { \% BMI } \\
25.0- \\
29.9
\end{gathered}
\] & 95\% CI & \%
Obese & 95\% CI \\
\hline 18-44 & 1567 & 8.7 & 6.6-10.8 & 46.3 & 43.2-49.3 & 24.1 & 21.5-26.7 & 21.0 & 18.0-23.9 \\
\hline 45-69 & 1039 & 4.4 & 2.3-6.6 & 33.3 & 29.4-37.3 & 32.7 & 29.0-36.5 & 29.5 & 26.1-32.9 \\
\hline 18-69 & 2606 & 7.4 & 5.5-9.2 & 42.3 & 39.7-44.9 & 26.7 & 24.6-28.9 & 23.6 & 21.3-25.9 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: M8, M11, M12
- Epi Info program name: Mbmiclass (unweighted); MbmiclassWT (weighted)

BMI \(\geq 25\) Description: Percentage of respondents (excluding pregnant women) classified as overweight ( \(\mathrm{BMI} \geq 25\) ).

Instrument questions:
- For women: Are you pregnant?
- Height
- Weight
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{BMI \(\geq 25\)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \[
\begin{gathered}
\% \\
\text { BMI } \geq 25
\end{gathered}
\] & 95\% CI & n & \[
\begin{gathered}
\% \\
\text { BMI } \geq 25
\end{gathered}
\] & 95\% CI & n & \[
\begin{gathered}
\% \\
\mathrm{BMI} \geq 25
\end{gathered}
\] & 95\% CI \\
\hline 18-44 & 592 & 35.3 & 29.8-40.8 & 975 & 55.9 & 51.9-59.9 & 1567 & 45.1 & 41.6-48.6 \\
\hline 45-69 & 461 & 50.2 & 42.9-57.5 & 578 & 74.7 & 70.3-79.1 & 1039 & 62.2 & 57.9-66.6 \\
\hline 18-69 & 1053 & 39.8 & 34.6-44.9 & 1553 & 61.8 & 58.6-65.0 & 2606 & 50.3 & 47.2-53.5 \\
\hline
\end{tabular}

Analysis Information:
- Questions used: M8, M11, M12
- Epi Info program name: Mbmiclass (unweighted); MbmiclassWT (weighted)

Waist Description: Mean waist circumference among all respondents (excluding circumference pregnant women).

Instrument questions:
- For women: Are you pregnant?
- Waist circumference measurement
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{Waist circumference (cm)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} \\
\hline & n & Mean & 95\% CI & n & Mean & 95\% CI \\
\hline 18-44 & 598 & 86.5 & 84.5-88.5 & 987 & 89.8 & 88.0-91.5 \\
\hline 45-69 & 464 & 92.9 & 88.1-97.8 & 588 & 99.0 & 97.2-100.7 \\
\hline 18-69 & 1062 & 88.4 & 85.9-91.0 & 1575 & 92.7 & 91.3-94.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: M8, M14
- Epi Info program name: Mwaist (unweighted); MwaistWT (weighted)

\section*{Biochemical Measurements}

Mean Description: mean fasting blood glucose results including those currently on fasting blood glucose medication for diabetes (non-fasting recipients excluded).

Instrument questions:
- During the last 12 hours have you had anything to eat or drink, other than water?
- Blood glucose measurement
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean fasting blood glucose (mmol/L)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean & 95\% CI & n & Mean & 95\% CI & n & Mean & 95\% CI \\
\hline 18-44 & 109 & 79.5 & & 199 & 93.9 & & 308 & 86.6 & \\
\hline 45-69 & 83 & 97.6 & & 124 & 120.2 & & 207 & 109.4 & \\
\hline 18-69 & 192 & 85.0 & & 323 & 102.5 & & 515 & 93.8 & \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: B1, B5
- Epi Info program name:
- measurement in mmol/L: Bglucose (unweighted); BglucoseWT (weighted)
- measurement in mg/dl: BglucoseMg (unweighted); BglucoseMgWT (weighted)

Raised Description: Categorization of respondents into blood glucose level categories blood and percentage of respondents currently on medication for raised blood glucose glucose

Instrument questions:
- In the past two weeks, have you taken any drugs (medication) for diabetes prescribed by a doctor or other health worker?
- Are you currently taking insulin for diabetes prescribed by a doctor or other health worker?
- During the last 12 hours have you had anything to eat or drink, other than water?
- Blood glucose measurement
- Today, have you taken insulin or other drugs (medication) that have been prescribed by a doctor or other health worker?
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Impaired Fasting Glycaemia*} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 111 & 3.0 & 0.0-6.0 & 200 & 3.6 & 0.5-6.6 & 311 & 3.3 & 1.0-5.6 \\
\hline 45-69 & 83 & 8.8 & 0.2-17.4 & 125 & 10.5 & 4.2-16.9 & 208 & 9.7 & 4.4-15.0 \\
\hline 18-69 & 194 & 4.7 & 1.5-8.0 & 325 & 5.8 & 2.9-8.8 & 519 & 5.3 & 3.0-7.6 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Raised blood glucose or currently on medication for diabetes**} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 111 & 4.0 & 0.0-8.1 & 200 & 9.7 & 4.6-14.9 & 311 & 6.8 & 3.7-10.0 \\
\hline 45-69 & 83 & 15.0 & 6.4-23.7 & 125 & 27.7 & 18.7-36.7 & 208 & 21.7 & 14.8-28.5 \\
\hline 18-69 & 194 & 7.3 & 3.3-11.3 & 325 & 15.6 & 11.1-20.2 & 519 & 11.5 & 8.5-14.4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Currently on medication for diabetes} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 261 & 1.8 & 0.0-3.7 & 444 & 3.0 & 0.7-5.3 & 705 & 2.4 & 0.9-3.9 \\
\hline 45-69 & 197 & 12.5 & 7.0-18.1 & 276 & 24.4 & 17.7-31.1 & 473 & 18.5 & 14.0-22.9 \\
\hline 18-69 & 458 & 5.0 & 2.8-7.2 & 720 & 9.5 & 6.7-12.2 & 1178 & 7.2 & 5.4-9.0 \\
\hline
\end{tabular}
* Impaired fasting glycaemia is defined as either
- capillary whole blood value: \(\geq 5.6 \mathrm{mmol} / \mathrm{L}(100 \mathrm{mg} / \mathrm{dl})\) and \(<6.1 \mathrm{mmol} / \mathrm{L}(110 \mathrm{mg} / \mathrm{dl})\)
** Raised blood glucose is defined as either
- capillary whole blood value: \(\geq 6.1 \mathrm{mmol} / \mathrm{L}(110 \mathrm{mg} / \mathrm{dl})\)

\section*{Analysis Information:}
- Questions used: H8, H9, B1, B5, B6

Epi Info program name:
- measurement in mmol/L: Bglucose (unweighted); BglucoseWT (weighted)
- measurement in mg/dl: BglucoseMg (unweighted); BglucoseMgWT (weighted)

Total Description: Mean total cholesterol among all respondents including those cholesterol currently on medication for raised cholesterol.

Instrument question:
- Total cholesterol measurement
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean total cholesterol (mmol/L)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean & 95\% CI & n & Mean & 95\% CI & n & Mean & 95\% CI \\
\hline 18-44 & 182 & 181.8 & & 340 & 186.5 & 181.2-191.9 & 522 & 184.2 & 179.2-189.2 \\
\hline 45-69 & 149 & 205.4 & & 216 & 219.0 & 210.3-227.6 & 365 & 212.3 & 205.9-218.7 \\
\hline 18-69 & 331 & 189.0 & & 556 & 196.6 & 192.0-201.3 & 887 & 192.8 & 188.8-196.9 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: B8
- Epi Info program name:
- measurement in mmol/L: Btotallipids (unweighted); BtotallipidsWT (weighted)
- measurement in \(\mathrm{mg} / \mathrm{dl}\) : BtotallipidsMg (unweighted); BtotallipidsMgWT (weighted)
\begin{tabular}{ll}
\begin{tabular}{l} 
Raised \\
total \\
cholesterol
\end{tabular} & \begin{tabular}{l} 
Description: Percentage of respondents with raised total cholesterol and \\
percentage of respondents currently on medication for raised cholesterol.
\end{tabular} \\
& Instrument questions:
\end{tabular}
- Total cholesterol measurement
- During the past two weeks, have you been treated for raised cholesterol with drugs (medication) prescribed by a doctor or other health worker?

Total cholesterol \(\geq 5.0 \mathrm{mmol} / \mathrm{L}\) or \(\geq 190 \mathrm{mg} / \mathrm{dl}\) or currently on medication for raised cholesterol
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 182 & 38.8 & 30.7-46.9 & 340 & 44.4 & 38.0-50.8 & 522 & 41.6 & 36.2-47.0 \\
\hline 45-69 & 149 & 65.0 & 54.2-75.9 & 216 & 73.2 & 65.5-80.9 & 365 & 69.2 & 62.2-76.2 \\
\hline 18-69 & 331 & 46.8 & 40.1-53.5 & 556 & 53.4 & 48.2-58.6 & 887 & 50.1 & 45.7-54.5 \\
\hline
\end{tabular}

Total cholesterol \(\geq 6.2 \mathrm{mmol} / \mathrm{L}\) or \(\geq \mathbf{2 4 0} \mathbf{~ m g} / \mathrm{dl}\) or currently on medication for raised cholesterol
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 182 & 10.5 & 5.4-15.5 & 340 & 8.6 & 4.8-12.4 & 522 & 9.5 & 6.2-12.8 \\
\hline 45-69 & 149 & 22.1 & 13.3-30.9 & 216 & 33.5 & 25.9-41.0 & 365 & 27.9 & 22.1-33.8 \\
\hline 18-69 & 331 & 14.0 & 9.6-18.4 & 556 & 16.4 & 12.7-20.0 & 887 & 15.2 & 12.3-18.1 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: B8, B9
- Epi Info program name:
- measurement in mmol/L: Btotallipids (unweighted); BtotallipidsWT (weighted)
- measurement in mg/dl: BtotallipidsMg (unweighted); BtotallipidsMgWT (weighted)

High Description: Mean HDL among all respondents and percentage of respondents with low HDL.

Instrument question:
- HDL cholesterol measurement
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean HDL (mmol/L)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean & 95\% CI & n & Mean & 95\% CI & n & Mean & 95\% CI \\
\hline 18-44 & 182 & 51.5 & & 342 & 48.8 & 46.4-51.1 & 524 & 50.1 & 48.1-52.1 \\
\hline 45-69 & 149 & 47.6 & & 218 & 54.4 & 51.5-57.3 & 367 & 51.1 & 48.5-53.7 \\
\hline 18-69 & 331 & 50.3 & & 560 & 50.5 & 48.5-52.5 & 891 & 50.4 & 48.7-52.1 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Percentage of respondents with HDL \(<1.03 \mathrm{mmol} / \mathrm{L}\) or \(<40 \mathrm{mg} / \mathrm{dl}\)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} \\
\hline & n & \% & 95\% CI \\
\hline 18-44 & 182 & 26.6 & 18.7-34.6 \\
\hline 45-69 & 149 & 44.9 & 33.4-56.4 \\
\hline 18-69 & 331 & 32.2 & 25.8-38.6 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Percentage of respondents with HDL \(<1.29 \mathrm{mmol} / \mathrm{L}\) or \(<50 \mathrm{mg} / \mathrm{dl}\)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Women} \\
\hline & n & \% & 95\% CI \\
\hline 18-44 & 342 & 60.2 & 53.6-66.8 \\
\hline 45-69 & 218 & 43.8 & 35.8-51.8 \\
\hline 18-69 & 560 & 55.1 & 49.4-60.8 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: B11
- Epi Info program name:
- measurement in mmol/L: Bhdlipids (unweighted); BhdlipidsWT (weighted)
- measurement in mg/dl: BhdlipidsMg (unweighted); BhdlipidsMgWT (weighted)

Triglycerides Description: Mean fasting triglycerides among all respondents and percentage of respondents with raised fasting triglycerides (non-fasting recipients excluded).

Instrument questions:
- During the last 12 hours have you had anything to eat or drink, other than water?
- Triglyceride measurement
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Mean fasting triglycerides (mg/L)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & Mean & 95\% CI & n & Mean & 95\% CI & n & Mean & 95\% CI \\
\hline 18-44 & 109 & 149.6 & 109 & 202 & 136.6 & 202 & 311 & 143.2 & 311 \\
\hline 45-69 & 84 & 177.0 & 84 & 123 & 176.7 & 123 & 207 & 176.8 & 207 \\
\hline 18-69 & 193 & 158.0 & 193 & 325 & 149.4 & 325 & 518 & 153.7 & 518 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of respondents with fasting triglycerides \(\geq 1.7 \mathrm{mmol} / \mathrm{L}\) or \(\geq 150 \mathrm{mg} / \mathrm{dl}\)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 109 & 39.5 & 28.7-50.4 & 202 & 32.9 & 25.0-40.8 & 311 & 36.2 & 29.4-43.1 \\
\hline 45-69 & 84 & 52.7 & 36.6-68.7 & 123 & 48.9 & 37.6-60.2 & 207 & 50.7 & 40.9-60.6 \\
\hline 18-69 & 193 & 43.5 & 33.9-53.1 & 325 & 38.0 & 31.6-44.5 & 518 & 40.8 & 34.9-46.6 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{10}{|c|}{Percentage of respondents with fasting triglycerides \(\mathbf{2} \mathbf{2 . 0 ~ m m o l / L ~}\) or \(\geq 180 \mathrm{mg} / \mathrm{dl}\)} \\
\hline \multirow[t]{2}{*}{Age Group (years)} & \multicolumn{3}{|c|}{Men} & \multicolumn{3}{|c|}{Women} & \multicolumn{3}{|c|}{Both Sexes} \\
\hline & n & \% & 95\% CI & n & \% & 95\% CI & n & \% & 95\% CI \\
\hline 18-44 & 109 & 30.7 & 21.2-40.2 & 202 & 22.5 & 15.9-29.2 & 311 & 26.7 & 20.7-32.7 \\
\hline 45-69 & 84 & 44.3 & 28.9-59.7 & 123 & 36.5 & 27.1-46.0 & 207 & 40.3 & 31.3-49.3 \\
\hline 18-69 & 193 & 34.8 & 26.4-43.3 & 325 & 27.0 & 21.3-32.8 & 518 & 30.9 & 25.8-36.0 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: B1, B10
- Epi Info program name:
- measurement in mmol/L: Btriglyceride (unweighted); BtriglycerideWT (weighted)
- measurement in mg/dl: BtriglycerideMg (unweighted); BtriglycerideMgWT (weighted)

\section*{Summary of Combined Risk Factors}
\begin{tabular}{|c|c|}
\hline Summary of Combined Risk Factors & \begin{tabular}{l}
Description: Percentage of respondents with 0, 1-2, or 3-5 of the following risk factors: \\
- Current daily smoking \\
- Less than five servings of fruit and/or vegetables per day \\
- Not meeting WHO recommendations on physical activity for health ( \(<150\) minutes of moderate activity per week, or equivalent) \\
- Overweight or obese ( \(\mathrm{BMI} \geq 25 \mathrm{~kg} / \mathrm{m}^{2}\) ) \\
- Raised BP (SBP \(\geq 140\) and/or DBP \(\geq 90 \mathrm{mmHg}\) or currently on medication for raised BP).
\end{tabular} \\
\hline & Instrument questions: combined from Step 1 and Step 2 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Summary of Combined Risk Factors} \\
\hline & \multicolumn{7}{|c|}{Men} \\
\hline Age Group (years) & N & \[
\begin{gathered}
\% \text { with } 0 \\
\text { risk } \\
\text { factors } \\
\hline
\end{gathered}
\] & 95\% CI & \% with 1-2 risk factors & 95\% CI & \% with 3-5 risk factors & 95\% CI \\
\hline 18-44 & 569 & 1.3 & 0.2-2.4 & 79.6 & 75.6-83.7 & 19.1 & 15.0-23.1 \\
\hline 45-69 & 456 & 1.4 & 0.3-2.5 & 53.4 & 47.1-59.7 & 45.2 & 39.0-51.4 \\
\hline 18-69 & 1025 & 1.3 & 0.4-2.3 & 71.7 & 68.0-75.3 & 27.0 & 23.5-30.5 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Summary of Combined Risk Factors} \\
\hline \multirow[b]{2}{*}{Age Group (years)} & \multicolumn{7}{|c|}{Women} \\
\hline & N & \[
\begin{aligned}
& \hline \% \text { with } 0 \\
& \text { risk } \\
& \text { factors } \\
& \hline
\end{aligned}
\] & 95\% CI & \[
\begin{gathered}
\hline \text { \% with 1-2 } \\
\text { risk } \\
\text { factors } \\
\hline
\end{gathered}
\] & 95\% CI & \% with 3-5 risk factors & 95\% CI \\
\hline 18-44 & 957 & 1.3 & 0.5-2.2 & 70.5 & 66.6-74.3 & 28.2 & 24.4-32.0 \\
\hline 45-69 & 567 & 1.1 & 0.0-2.4 & 42.1 & 36.7-47.6 & 56.7 & 51.2-62.2 \\
\hline 18-69 & 1524 & 1.3 & 0.6-2.0 & 61.6 & 58.2-65.0 & 37.1 & 33.7-40.5 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|c|}{Summary of Combined Risk Factors} \\
\hline & \multicolumn{7}{|c|}{Both Sexes} \\
\hline Age Group (years) & N & \% with 0 risk factors & 95\% CI & \[
\begin{gathered}
\text { \% with 1-2 } \\
\text { risk } \\
\text { factors }
\end{gathered}
\] & 95\% CI & \% with 3-5 risk factors & 95\% CI \\
\hline 18-44 & 1526 & 1.3 & 0.6-2.0 & 75.3 & 73.1-77.4 & 23.4 & 21.3-25.5 \\
\hline 45-69 & 1023 & 1.3 & 0.4-2.2 & 47.9 & 43.9-51.9 & 50.8 & 46.8-54.9 \\
\hline 18-69 & 2549 & 1.3 & 0.7-1.9 & 66.8 & 64.8-68.8 & 31.9 & 29.9-33.8 \\
\hline
\end{tabular}

\section*{Analysis Information:}
- Questions used: T1, T2, D1-D4, P1-P15b, M4a-M6b, M7, M8, M11, M12
- Epi Info program name: Raisedrisk (unweighted); RaisedriskWT (weighted)```


[^0]:    ${ }^{1}$ Data on hemoglobinopathies, such as sickle cell anemia and Thalassemia is reported elsewhere.

[^1]:    2 This data will be presented at a later date in a separate report.

[^2]:    ${ }^{3}$ The results presented in the Demographics section are unweighted.

[^3]:    * For complete definitions of insufficient physical activity, refer to the GPAQ Analysis Guide
    (http://www.who.int/chp/steps/GPAQ/en/index.html) or to the WHO Global recommendations on physical activity for health (http://www.who.int/dietphysicalactivity/factsheet recommendations/en/index.html)

