
 and adult lecaltit



Director, Humm Sum Scieces Research Cowncil



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## Presentation overview

- Background: evolution, scope and coverage
- Goal and Objectives of SAGE
- Purpose of the Presentation
- Methods
- Selected Results: Risk factors, health state, chronic conditions \& health system responsiveness
- Discussion/Conclusions
- Selected References
- Acknowledgements

SAGE originated from WHS and is conducted in 6 countries with increasing \# of individuals aged 50+ (UN Population Division, 2005)

|  | Percentage <br> 50+, by age |  | Number (in thousands ) <br> 50+, by year |  | Percentage 60+,by year |  | Number (in thousands) 60+, by year |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Area/Country | 2005 | 2025 | 2005 | 2025 | 2005 | 2025 | 2005 | 2025 |
| World | 19.3 | 26.1 | $\begin{aligned} & 1,246,89 \\ & 3 \end{aligned}$ | $\begin{aligned} & 2,064,18 \\ & 6 \end{aligned}$ | 10.4 | 15.1 | 672,386 | 1,192,603 |
| More developed | 33.2 | 40.8 | 402,437 | 509,472 | 20.2 | 27.5 | 244,083 | 342,951 |
| Less developed | 16.1 | 23.4 | 844,455 | $\begin{aligned} & 1,554,71 \\ & 4 \end{aligned}$ | 8.2 | 12.8 | 428,304 | 849,652 |
| China | 21.9 | 36.1 | 287,808 | 520,689 | 10.9 | 20.1 | 143,907 | 289,985 |
| Ghana | 11.3 | 14.7 | 2,507 | 4,538 | 5.7 | 7.7 | 1,257 | 2,369 |
| India | 15.5 | 22.3 | 170,694 | 311,006 | 7.9 | 12.0 | 87,509 | 168,146 |
| Mexico | 14.8 | 26.2 | 15,880 | 33,918 | 7.8 | 14.2 | 8,354 | 18,337 |
| Russian federation | 30.2 | 37 | 43,287 | 47,814 | 17.1 | 24.2 | 24,475 | 31,412 |
| South Africa | 14.3 | 18.4 | 6,764 | 8,891 | 6,8 | 11.5 | 3,213 | 5,559 |

## Goal and Objectives of SAGE

- Limited understanding exists on the magnitude, dynamics, individual and social determinants of ill-health in older ages across SSA
- The goal of the Study on global AGEing and adult health (SAGE) is to develop a broader understanding of ageing and health by:
- obtaining reliable, valid and comparable data on health status and health system responsiveness among individuals aged $50+$ years in nationally representative samples;
- examining patterns and dynamics of age-related changes in health and well-being using longitudinal follow-up of survey respondents as they age;
- supplementing and cross-validating self-reported measures of health through measured performance tests for selected health domains; and
- collecting data on health examinations and biomarkers to improve reliability of data on morbidity, risk factors and monitor the effect of interventions.

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## Purpose of presentation

To share preliminary results of SAGE:

- Prevalence of risk factors for chronic diseases based on WHO STEPWISE APPROACH to surveillance of risk factors : smoking, alcohol, diet, physical activity, BMI, WHR \& blood pressure
- Self-reported prevalence of chronic conditions: stroke, angina pectoris, diabetes mellitus, osteoarthritis, chronic lung disease, asthma, etc
- Health state
- Health systems responsiveness - need for health care services and utilization of health care in terms of inpatient and outpatient treatment


## Study Design

- SAGE design draws heavily on WHS
- SAGE is a face to face nationally representative longitudinal household and cross-sequential panel study
- The survey is designed to be nationally representative of the population aged 50+ years, with a smaller cohort of respondents aged 18-49 for comparison purposes.
- This survey programme is projected to run twice over 5-10 years.
- SAGE Wave II is planned to take place last quarter of 2010, first quarter of 2011


## Sampling

- Multistage Stratified Random Cluster Sample with HSRC's Master Sample (HSRC 2002) used as sampling frame
- HSRC Master Sample has 1000 EAs based on Census 2001 (Stats SA, 2001)
- 600 EAs were randomly drawn from the HSRC Master using SURVEYSELECT (Kalton, 1983 \& Cochran, 1977); of these 396 (66\%) were realized
- In each sampled EA, a systematic random sample of 30 HH was done (totalling 18000 HH ); of these 4083 were realized
- In the selected VPs, all people aged $50+$ were selected, 3500 were realized (targeted sample $=5000$ individuals)
- 2 persons aged $18-49$ were randomly chosen in the remainder of HH which did not have a $50+$ within each EA
- If the selected household had >1person aged 18-49, Kish Grid (Kish,1987, 1965) was used to randomly choose one person (totalling 1200); of these about 500 were realized (targeted sample $=1000$ )
- Sampling weights are still being finalized



| Provin <br> ce | Urban <br> formal | Urban <br> informal | Rural <br> formal | Tribal <br> areas | TOTAL |
| :--- | :---: | :---: | :---: | :---: | :---: |
| WC | 62 | 7 | 8 | 0 | 77 |
| EC | 40 | 9 | 7 | 23 | 79 |
| NC | 34 | 3 | 8 | 0 | 45 |
| FS | 25 | 6 | 8 | 6 | 45 |
| KZN | 73 | 9 | 9 | 20 | 111 |
| NW | 20 | 2 | 7 | 15 | 44 |
| GP | 82 | 15 | 2 | 0 | 99 |
| MP | 22 | 5 | 7 | 12 | 46 |
| LP | 16 | 2 | 6 | 30 | 54 |
| TOTAL | 374 | 58 | 62 | 106 | 600 |

## Realized EAs

## Social Aspects of HIV/AIDS

| Province | Targeted (\% realized) | Number of PSUs |  |
| :--- | :---: | :---: | :---: |
|  |  | SAGE |  |
|  |  | Rural | Urban |
| Eastern Cape | $79(81 \%)$ | 18 | 46 |
| Free State | $45(82 \%)$ | 13 | 24 |
| Gauteng | $99(51 \%)$ | 5 | 45 |
| KwaZulu-Natal | $111(63 \%)$ | 8 | 59 |
| Mpumalanga | $46(50 \%)$ | 12 | 11 |
| North-West | $44(77 \%)$ | 17 | 17 |
| Northern Cape | $45(73 \%)$ | 14 | 19 |
| Northern Province | $54(78 \%)$ | 28 | 14 |
| Western Cape | $77(60 \%)$ | 0 | 46 |
| Total (pooled) | $\mathbf{6 0 0}(\mathbf{6 6 \% )}$ | $\mathbf{1 1 5}$ | $\mathbf{2 8 1}$ |

## Number of HH and Individuals Realized

| Sub-national (Region/province/state) | New for SAGE |  |  |  | $\begin{gathered} \text { Total } \\ \text { HH(Indvl) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Urban |  | Rural |  |  |
|  | HH | Indivl. | HH | Indivl. |  |
| Eastern Cape | 632 | 765 | 306 | 354 | 938 (1119) |
| Free State | 205 | 229 | 113 | 133 | 318 (362) |
| Gauteng | 431 | 569 | 106 | 125 | 537 (694) |
| KwaZulu-Natal | 509 | 606 | 98 | 109 | 607 (715) |
| Mpumalanga | 82 | 95 | 147 | 171 | 229 (266) |
| North-West | 199 | 234 | 183 | 221 | 382 (455) |
| Northern Cape | 170 | 215 | 153 | 222 | 323 (437) |
| Northern Province | 142 | 160 | 260 | 293 | 402 (453) |
| Western Cape | 346 | 395 | 1 | 1 | 347 (396) |
| Total | 2716 | 3268 | 1367 | 1629 | 4083 (4897) |

## SAGEInstrument

The WHS questionnaire was used as a starting Point
(http://www3.who.int/whs/) . It was revised following:

- A review of 16 cross-national/longitudinal ageing surveys
- Recommendations from experts in the field
- Cognitive testing in South Africa \& Viet Nam by StatsSweden
- A pretest in Ghana, Viet Nam and Tanzania
- The instrument has 2 main parts:
- 1) household questionnaire;
- 2) individual questionnaire;
- Proxy questionnaire used for cognitively impaired respondents after screening them




Prevalence of smoking (cigarettes, cigars, pipes, snuff or chewed tobacco) and average daily tobacco consumption (sniffing, inhaling, chewing)

| Characteristics | Distribution of smoking status of current smokers |  |  | Al1 | ```Mean daily tobacco consummpt iOn``` | No. of Responde nts |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \hline \text { Curre } \\ & \text { daily } \\ & \text { smok } \\ & \text { er } \end{aligned}$ | Smoke r, not daily | Not curre nt smoke r | Neversmoker |  |  |
| Age Group (years) |  |  |  |  |  |  |
| 18-49 | 73.3 | 17.0 | 7.4 | 65.7 | 0.00 | 413 |
| 50-59 | 62.3 | 13.6 | 22.0 | 63.8 | 1.95 | 1410 |
| 60-69 | 60.1 | 12.9 | 24.4 | 63.0 | 3.17 | 1016 |
| $\begin{aligned} & \text { 70+ } \\ & \text { Sex } \end{aligned}$ | 64.6 | 10.5 | 23.4 | 69.2 | 3.73 | 724 |
| Male | 45.84 | 39.10 | 51.27 | 54.0 | 2.86 | 1274 |
| Residence | 54.16 | 60.90 | 48.73 | 70.63 | 1.93 | 2289 |
| Urban | 64.35 | 60.42 | 70.13 | 64.6 | 3.43 | 3009 |
| Rural | 35.65 | 39.58 | 29.87 | 63.3 | 0.58 | 1531 |
| Total |  |  |  | 64.5 |  |  |

-The prevalence of smoking was generally low across age groups; most of those who reported to smoke were current daily smokers.
-The mean daily tobacco consumption increased with age and was higher for males than females.

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Prevalence of alcohol consumption (commercial and home-brewed beverage quantified by alcohol content and quantity)

|  | Alcohol consumption (\%) |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Characteristics | Life time abstainers | From past week drinkers |  |  |
|  |  | Social Drinkers | Infrequen t binge drinkers | Frequent binge drinkers |
| Age Group (years) |  |  |  |  |
| 18-49 | 73.1 | 63.2 | 35.3 | 1.5 |
| 50-59 | 72.4 | 76.1 | 18.9 | 5.0 |
| 60-69 | 74.0 | 77.2 | 17.9 | 4.8 |
| 70+ | 75.7 | 77.0 | 18.4 | 4.6 |
| Sex |  |  |  |  |
| Male | 61.4 | 72.9 | 25.5 | 5.6 |
| Female | 80.3 | 77.6 | 19.6 | 2.7 |
| Residence |  |  |  |  |
| Urban | 73.4 | 74.8 | 20.1 | 5.1 |
| Rural | 70.2 | 76.9 | 18.7 | 4.4 |
| Total | 73.6 |  |  |  |

->70\% were lifetime abstainers: women (80.3\%)/men (61.4\%)
-Most past week drinkers were social drinkers: increased with age.
-18.4\%-35.3\% were non heavy binge drinkers (1-2 days per week with $5^{+}$ standard drinks in last 7 days)

- Only a few were frequent binge drinkers (3+ days per week with 54 stamdard drinks in last 7 days).

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## Percentage with insufficient intake of fruit and vegetables and insufficient physical activity

|  | Insufficient <br> intake <br> of fruit | **Insufficient <br> intake <br> of vegetables | ***Insufficient <br> physical <br> activity |
| :--- | :--- | :--- | :--- |
| Sharacteristics | Sex | 94.6 |  |
| Male | 96.9 | 96.6 | 85.4 |
| Female | 97.3 | 97.7 | 87.3 |
| Age group | 97.7 | 94.9 | 55.1 |
| 18-49 | 96.9 | 95.8 | 54.8 |
| 50-59 | 97.5 | 96.9 | 66.3 |
| 60-69 | 97.1 | 95.8 | 72.2 |
| $70+$ | 97.2 | 96.4 | 93.2 |
| Residence | 96.6 | 95.9 | 92.1 |
| Urban | 97.2 |  |  |
| Rural |  |  |  |

- 5 fruit servings a day; 5 vegetable servings a day; 150 min per week
- >94\% across age groups, geotype, gender took insufficient fruit/veg
- Insufficient physical activity increased with age


## Percentage of underweight, overweight and obese respondents and BMI

| Characteristics | Prevalence of |  |  | Normal nutritional status (\%) | MeanBMI |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Underweight (\%) | Overweight <br> (\%) | Obesity (\%) |  |  |
| Sex |  |  |  |  |  |
| Male | 6.0 | 61.5 | 33.1 | 29.0 | 29.0 |
| Female | 4.3 | 73.9 | 47.4 | 32.6 | 32.6 |
| Age group |  |  |  |  |  |
| 18-49 | 5.9 | 62.2 | 35.1 | 30.5 | 30.5 |
| 50-59 | 4.0 | 71.6 | 44.5 | 31.9 | 31.9 |
| 60-69 | 4.7 | 70.6 | 46.1 | 31.2 | 31.2 |
| 70+ | 6.4 | 68.0 | 36.9 | 30.3 | 30.3 |
| Residence |  |  |  |  |  |
| Urban | 4.7 | 72.8 | 44.9 | 31.7 | 31.7 |
| Rural | 5.6 | 63.5 | 35.5 | 30.1 | 30.1 |
| Marital Status |  |  |  |  |  |
| Never married/cohabiting | 7.6 | 64.2 | 40.4 | 31.7 | 31.7 |
| Currently married | 4.0 | 71.5 | 42.4 | 30.7 | 30.7 |
| Cohabiting | 8.0 | 54.0 | 28.4 | 28.1 | 28.1 |
| Separated/Divorced | 4.1 | 56.4 | 41.5 | 29.7 | 29.7 |
| Widowed | 4.4 | 40.1 | 45.2 | 32.4 | 32.4 |
| Total | 5.0 | 69.6 | 41.7 | 25.4 |  |

- High prevalence rates of $47.4 \%$ and $33.1 \%$ of obesity for women/men
- Obesity was highest in the age group of 60 to 69 years ( $\mathbf{4 6 . 1 \% )}$ ) and among urban dwellers (44.9\%).
- The mean BMI was $29.0 \%$ (overweight) and $32.6 \%$ (obese) for men/ women respectively


HSRC
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## Mean waist \& hip circumferences and WHR

| Characteristics | Mean waist <br> circumference | Mean hip <br> circumference | Waist Hip Ratio <br> $>=\mathbf{0 . 8 f / \mathbf { 0 . 9 m }}$ |
| :--- | :--- | :--- | :--- |
| Sex | 120.5 | 135.7 | 53.1 |
| Male | 129.9 | 146.7 | 85.7 |
| Female | 141.1 | 147.8 | Male/ Female |
| Age group | 121.7 | 139.5 | $48.7 / 78.3$ |
| 18-49 | 132.0 | 147.3 | $51.5 / 85.1$ |
| 50-59 | 120.2 | 139.9 | $57.8 / 86.5$ |
| 60-69 |  |  | $53.3 / 88.7$ |
| 70+ | 130.1 | 147.3 | $54.2 / 85.9$ |
| Residence | 113.2 | 128.0 | $51.2 / 85.3$ |
| Urban |  | 148.8 |  |
| Rural | 139.5 | 139.1 |  |
| Marital Status | 122.4 |  |  |
| Never married/cohabiting | 125.9 |  |  |
| Currently married | 123.4 | 149.1 | 46.1 |
| Cohabiting | 105.5 | $\mathbf{1 4 2 . 8}$ |  |
| Separated/Divorced | 113.2 |  |  |
| Widowed | 129.0 |  |  |
| Total | $\mathbf{1 2 6 . 6}$ |  |  |

-85\% of women and $50 \%$ of men had a WHR of $>0.80$ and 0.90 respectively

## Mean systolic and diastolic blood pressure and pulse rate

| Characteristics | Mean systolic <br> Blood pressure | Mean diastolic <br> Blood pressure | Mean pulse <br> Rate | No. of <br> respondents |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| Sex |  |  |  |  |  |
| Male | 141.61 | 94.46 | 74.94 | 1231 |  |
| Female | 146.96 | 95.16 | 77.12 | 2224 |  |
| Age group |  |  |  |  |  |
| $18-49$ | 132.01 | 89.98 | 76.49 | 401 |  |
| $50-59$ | 142.71 | 96.37 | 77.12 | 1356 |  |
| $60-69$ | 147.21 | 95.90 | 75.99 | 989 |  |
| 7079 | 148.30 | 94.17 | 75.63 | 521 |  |
| $\mathbf{8 0 +}$ | 145.74 | 91.82 | 74.31 | 188 |  |
| Residence |  |  |  |  |  |
| Urban | 143.57 | 94.51 | 76.24 | 2910 |  |
| Rural | 145.02 | 95.89 | 76.32 | 1494 |  |
| Marital Status |  | 95.40 | 78.21 | 584 |  |
| Never married/cohabiting | 142.80 | 95.52 | 75.09 | 1340 |  |
| Currently married | 141.13 | 96.90 | 78.74 | 177 |  |
| Cohabiting | 143.06 | 96.59 | 75.99 | 248 |  |
| Separated/Divorced | 145.65 | 95.67 | 76.46 | 1041 |  |
| Widowed | 147.10 |  |  |  |  |
|  |  |  |  |  |  |

- Mean systolic BP was $141.61 / 146.96 \mathrm{mmHg}$ for men/women
- Mean diastolic BP was 94.46/ 95.16 for men/women
-High BP was observed in respondents aged 50+ years
-These results indicate that respondents were hypertensive
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Access to improved drinking-water and sanitation: \% of HH by type of access to drinking water and sanitation and by HH type and HH head type

| Characteristics | Drinking water sources |  |  | Sanitation |  |  | No. of HH |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Improved drinking water | Other sources of improved drinking water | No access <br> to improved water sources | Flush toilet to sewage sources | Other improved toilet facilities | No access to improved sanitation |  |
| Residence |  |  |  |  |  |  |  |
| Urban | 72.0 | 18.2 | 4.9 | 65.7 | 5.2 | 25.0 | 2641 |
| Rural | 23.0 | 49.3 | 12.6 | 7.7 | 11.5 | 76.8 | 1342 |
| Missing | 13.6 | 4.5 | 9.1 | 9.1 | 0.0 | 18.2 | 22 |
| Total | 55.2 | 28.5 | 7.5 | 46.0 | 7.3 | 42.3 | 4005 |

Improved water means piped into household or protected source; other improved sources: public standpipe/borehole/protected dug well/protected spring/rainwater collection; unprotected well/unprotected spring/water taken directly from a pond or stream/tanker truck water/vendor provided water. Improved sanitation means having flush toilet connected to sewage sources; other improved sanitation facilities: connection to septic system/pour-flush latrine/covered dry latrine (with privacy) provided facilities not sharedf; no improved sanitation: uncovered dry latrine (without privacy)/bucket latrine/no facilities (open defecation)




## Prevalence of Athritis/Stroke by SR and SX, \% CTx and RTx

| Characteris tics | Arthritis |  |  |  | Stroke |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SR | Sx | CTx | RTx | SR | Sx | CTx | RTx |
| Sex <br> Male <br> Female | $\begin{aligned} & 15.05 \\ & 25.66 \end{aligned}$ | $\begin{aligned} & 20.75 \\ & 30.48 \end{aligned}$ | $\begin{aligned} & 68.72 \\ & 67.86 \end{aligned}$ | $\begin{aligned} & 76.97 \\ & 75.40 \end{aligned}$ | $\begin{array}{r} 4.25 \\ 3.28 \\ \hline \end{array}$ | $\begin{aligned} & 3.32 \\ & 2.59 \end{aligned}$ | $\begin{aligned} & 54.72 \\ & 58.97 \end{aligned}$ | $\begin{aligned} & 58.82 \\ & 58.11 \end{aligned}$ |
| $\begin{aligned} & \text { Age group } \\ & 18-49 \\ & 50-59 \\ & 60-69 \\ & 70+ \\ & \hline \end{aligned}$ | $\begin{aligned} & 6.67 \\ & 20.70 \\ & 28.66 \\ & 23.60 \end{aligned}$ | $\begin{aligned} & 8.97 \\ & 25.80 \\ & 33.47 \\ & 30.87 \\ & \hline \end{aligned}$ | $\begin{aligned} & 70.37 \\ & 72.00 \\ & 65.82 \\ & 64.81 \end{aligned}$ | $\begin{aligned} & 76.92 \\ & 77.74 \\ & 76.28 \\ & 71.43 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1.28 \\ & 3.18 \\ & 4.08 \\ & 5.16 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1.55 \\ & 2.44 \\ & 3.66 \\ & 3.25 \end{aligned}$ | $\begin{aligned} & 100.0 \\ & 0 \\ & 63.04 \\ & 52.38 \\ & 50.00 \end{aligned}$ | $\begin{aligned} & 100.00 \\ & 60.00 \\ & 56.41 \\ & 52.78 \end{aligned}$ |
| Residence <br> Urban <br> Rural | $\begin{aligned} & 24.09 \\ & 15.76 \end{aligned}$ | $\begin{aligned} & 28.96 \\ & 21.76 \end{aligned}$ | $\begin{array}{r} 70.43 \\ 64.66 \end{array}$ | $\begin{aligned} & 77.44 \\ & 73.16 \end{aligned}$ | $\begin{aligned} & 4.02 \\ & 2.55 \end{aligned}$ | $\begin{aligned} & 2.58 \\ & 3.31 \end{aligned}$ | $\begin{aligned} & 57.72 \\ & 73.17 \end{aligned}$ | $\begin{aligned} & 60.50 \\ & 71.79 \end{aligned}$ |
| Marital <br> Status <br> Never married Currently married <br> Cohabiting <br> Separated/Di <br> vorced <br> Widowed | 18.29 <br> 19.44 <br> 9.88 <br> 23.14 <br> 28.78 | 26.64 23.55 16.86 29.46 32.87 | 69.23 70.75 41.18 63.16 68.60 | 76.70 74.90 76.47 80.70 75.68 | 3.02 3.49 1.74 4.55 4.35 | 1.07 2.88 1.16 4.98 3.66 | $\begin{aligned} & 55.56 \\ & 62.50 \\ & 100.0 \\ & 0 \\ & 61.54 \\ & 50.00 \\ & \hline \end{aligned}$ | $\begin{aligned} & 50.00 \\ & 60.87 \\ & 100.00 \\ & 58.33 \\ & 57.78 \\ & \hline \end{aligned}$ |

Arthritis was higher for 50+ age category and Stroke increased with age
-SR = self-reported diagnosed condition;

- $\mathrm{Sx}=$ symptom-based calculation of condition;
-CTx = current (in last 2 weeks) therapy;
- $\mathrm{RTx}=$ recent (last 12 months) therapy;



## Prevalence of Angina/Diabetes by SR and SX, \% CTX and RTX

## of HIVIAIDS and Health

| Characteris tics | Angina |  |  |  | Diabetes |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SR | Sx | CTx | RTx | SR | CTx | RTx |
| Sex Male Female | 5.02 6.00 | $\begin{aligned} & 6.46 \\ & 9.24 \end{aligned}$ | $\begin{aligned} & 78.69 \\ & 75.19 \\ & \hline \end{aligned}$ | $\begin{aligned} & 77.97 \\ & 78.95 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} 6.72 \\ 10.57 \\ \hline \end{array}$ | $\begin{array}{\|l} 87.80 \\ 84.26 \end{array}$ | $\begin{array}{\|l} 83.75 \\ 82.98 \end{array}$ |
| $\begin{array}{\|l\|} \hline \text { Age group } \\ 18-49 \\ 50-59 \\ 60-69 \\ 70+ \\ \hline \end{array}$ | $\begin{aligned} & 1.79 \\ & 5.76 \\ & 7.11 \\ & 5.60 \\ & \hline \end{aligned}$ | $\begin{aligned} & 4.63 \\ & 9.41 \\ & 8.68 \\ & 7.52 \\ & \hline \end{aligned}$ | $\begin{aligned} & 71.43 \\ & 76.62 \\ & 78.57 \\ & 72.50 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} 57.14 \\ 83.12 \\ 81.16 \\ 69.23 \\ \hline \end{array}$ | $\begin{array}{\|l} 3.08 \\ 7.73 \\ 11.72 \\ 12.09 \\ \hline \end{array}$ | $\begin{array}{\|l} 75.00 \\ 81.31 \\ 87.83 \\ 87.95 \\ \hline \end{array}$ | $\begin{aligned} & 75.00 \\ & 79.05 \\ & 86.09 \\ & 85.54 \\ & \hline \end{aligned}$ |
| Residence Urban Rural |  | $\begin{aligned} & 7.65 \\ & 8.47 \end{aligned}$ | $\begin{aligned} & 77.53 \\ & 68.18 \end{aligned}$ | $\begin{aligned} & 80.23 \\ & 70.77 \end{aligned}$ | $\begin{aligned} & 11.84 \\ & 4.75 \end{aligned}$ | $\begin{array}{\|l} 84.35 \\ 84.72 \end{array}$ | $\begin{array}{\|l\|} 82.80 \\ 81.94 \end{array}$ |
| Marital Status Never married Currently married Cohabiting Separated/Di vorced Widowed | $\begin{aligned} & 3.55 \\ & 5.81 \\ & 3.49 \\ & 4.55 \\ & 7.52 \\ & \hline \end{aligned}$ | $\begin{aligned} & 6.94 \\ & 7.13 \\ & 8.14 \\ & 9.54 \\ & 10.29 \\ & \hline \end{aligned}$ | $\begin{aligned} & 70.00 \\ & 81.82 \\ & 57.14 \\ & 66.67 \\ & 75.32 \\ & \hline \end{aligned}$ | $\begin{aligned} & 80.00 \\ & 81.58 \\ & 57.14 \\ & 66.67 \\ & 78.95 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} 7.28 \\ \\ 9.30 \\ 4.07 \\ 6.20 \\ 12.27 \end{array}$ | $\begin{array}{\|l} 90.48 \\ 84.55 \\ 75.00 \\ 88.24 \\ 84.13 \\ \hline \end{array}$ | $\begin{aligned} & 88.10 \\ & \\ & 80.99 \\ & 75.00 \\ & 82.35 \\ & 84.13 \\ & \hline \end{aligned}$ |

Angina was higher for 50+ age category; Diabetes increased with age
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Prevalence of CLD/Asthma by SR and SX, \% CTx and RTX

| Characteris tics | Chronic lung disease |  |  |  | Asthma |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SR | Sx | CTx | RTx | SR | Sx | CTx | RTx |
| Sex |  |  |  |  |  |  |  |  |
| Male | 1.87 | 1.96 | 53.57 | $\begin{aligned} & 62.9 \\ & 6 \\ & 61.9 \end{aligned}$ | 4.51 | 3.66 | 81.48 | 84.91 |
| Female | 2.54 | 2.63 | 54.55 | 0 | 4.71 | 3.89 | 74.07 | 79.44 |
| Age group |  |  |  |  |  |  |  |  |
| 18-49 | 0.77 | 1.28 | 25.00 | $\begin{aligned} & 33.3 \\ & 3 \\ & 67.5 \end{aligned}$ | 2.82 | 2.06 | 63.64 | 45.45 |
| 50-59 | 2.50 | 2.81 | 55.26 | $\begin{aligned} & 7 \\ & 67.7 \end{aligned}$ | 4.85 | 3.80 | 78.57 | 6.76 |
| 60-69 | 2.51 | 2.30 | 59.38 | $\begin{aligned} & 4 \\ & 47.3 \end{aligned}$ | 5.86 | 4.51 | 75.44 | 80.70 |
| 70+ | 2.51 | 2.36 | 50.00 | 7 | 3.54 | 3.84 | 79.17 | 83.33 |
| Residence |  |  |  |  |  |  |  |  |
| Urban | 2.22 | 2.40 | 58.75 | $\begin{aligned} & 60.5 \\ & 3 \\ & 59.4 \end{aligned}$ | 5.04 | 3.85 | 76.16 | 81.21 |
| Rural | 2.34 | 2.34 | 43.24 | 6 | 3.30 | 3.03 | 78.00 | 76.00 |
| Marital Status |  |  |  |  |  |  |  |  |
| Never |  |  |  | 54.5 |  |  |  |  |
| married | 1.78 | 2.13 | 58.33 |  | 3.91 | 3.39 | 73.91 | 73.91 |
| Currently |  |  |  | 75.0 |  |  |  |  |
| married | 2.09 | 1.86 | 58.82 | $\begin{aligned} & 0 \\ & 28.5 \end{aligned}$ | 4.18 | 3.41 | 83.64 | 87.27 |
| Cohabiting | 2.91 | 3.51 | 14.29 |  | 5.81 | 4.09 | 83.33 | 83.33 |
| Separated/D |  |  |  | 44.4 |  |  |  |  |
| ivorced | 2.89 | 1.66 | 44.44 | 4 <br> 64.2 | 4.96 | 3.32 | 33.33 | 61.54 |
| Widowed | 2.47 | 3.27 | 58.62 | 9 | 5.54 | 4.75 | 80.36 | 82.14 |

CLD increased with age and Asthma was higher for 50+ age category


## Prevalence of Edentulism/Cataracts by SRISX, \% CTX/RTX

| Characteristics | Edentulism |  |  | Cataracts |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | $\mathbf{( \% )}$ | Missing | $\mathbf{N}$ | $\mathbf{( \% )}$ | Missing | $\mathbf{N}$ |
| Sex |  |  |  |  |  |  |
| Male | 7.06 | 7.7 | 1274 | 4.16 | 2.87 | 1274 |
| Female | 10.00 | 5.33 | 2289 | 4.76 | 7.69 | 2289 |
| Age group |  |  |  |  |  |  |
| 18-49 | 2.66 | 5.57 | 413 | 1.21 | 5.57 | 413 |
| $50-59$ | 7.45 | 6.45 | 1410 | 2.48 | 6.45 | 1410 |
| 60-69 | 10.43 | 5.91 | 1016 | 5.81 | 5.91 | 1016 |
| $70+$ | 13.40 | 6.35 | 724 | 8.70 | 6.35 | 724 |
| Residence |  |  |  |  |  |  |
| Urban | 11.80 | 5.65 | 3009 | 5.28 | 5.65 | 3009 |
| Rural | 3.40 | 5.09 | 1531 | 3.20 | 5.09 | 1531 |
| Marital Status |  |  |  |  |  |  |
| Never married | 9.00 | 6.17 | 600 | 3.33 | 6.17 | 600 |
| Currently married | 8.70 | 7.98 | 1403 | 3.78 | 7.98 | 1403 |
| Cohabiting | 2.78 | 4.44 | 180 | 3.33 | 4.44 | 1274 |
| Separated/Divorced | 7.91 | 4.35 | 253 | 3.95 | 4.35 | 253 |
| Widowed | 10.76 | 4.53 | 1059 | 6.80 | 4.53 | 1059 |
|  |  |  |  |  |  |  |

Edentulism and cataracts increased with age

## Prevalence of Depression/Hypertension by SRISX, \% CTx/RTx

## Social Aspectis of HIVADS

| Characteristics | Depression |  |  |  | Hypertension |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SR | Sx | CTx | RTx | SR | CTx | RTx |
| Sex <br> Male <br> Female | $\begin{array}{r} 2.64 \\ 3.65 \\ \hline \end{array}$ | $\begin{aligned} & 3.91 \\ & 7.85 \\ & \hline \end{aligned}$ | $\begin{array}{\|c} 58.33 \\ 43.18 \\ \hline \end{array}$ | $\begin{array}{\|l} 70.59 \\ 52.33 \\ \hline \end{array}$ | $\begin{array}{\|l\|} 23.21 \\ 32.86 \\ \hline \end{array}$ | $\begin{array}{\|l} 84.48 \\ 87.60 \\ \hline \end{array}$ | $\begin{array}{\|l} 87.32 \\ 89.71 \\ \hline \end{array}$ |
| $\begin{array}{\|l\|} \hline \text { Age group } \\ 18-49 \\ 50-59 \\ 60-69 \\ 70+ \\ \hline \end{array}$ | $\begin{aligned} & 4.10 \\ & 3.87 \\ & 3.14 \\ & 1.92 \\ & \hline \end{aligned}$ | $\begin{aligned} & 5.64 \\ & 8.35 \\ & 5.02 \\ & 5.31 \\ & \hline \end{aligned}$ | $\begin{aligned} & 52.63 \\ & 47.37 \\ & 42.42 \\ & 53.33 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} 64.71 \\ 57.89 \\ 58.06 \end{array}$ | $\begin{array}{\|l\|} 7.44 \\ 29.04 \\ 35.46 \\ 34.51 \\ \hline \end{array}$ | $\begin{array}{\|l\|} 63.64 \\ 83.20 \\ 90.29 \\ 90.64 \end{array}$ | $\begin{array}{\|l\|} 72.73 \\ 86.86 \\ 90.59 \\ 92.74 \end{array}$ |
| Residence Urban <br> Rural | 3.87 1.58 |  | $\begin{array}{\|r} 48.00 \\ 34.62 \\ \hline \end{array}$ | $\begin{array}{\|l\|} 60.66 \\ 36.00 \\ \hline \end{array}$ | $\begin{array}{\|l} 32.41 \\ 22.85 \\ \hline \end{array}$ | $\begin{array}{\|l\|} 88.70 \\ 83.93 \\ \hline \end{array}$ | $\begin{array}{\|l} 89.57 \\ 89.55 \\ \hline \end{array}$ |
| Marital Status <br> Never married <br> Currently married <br> Cohabiting <br> Separated/Divorce <br> d <br> Widowed | $\begin{aligned} & 2.31 \\ & 3.18 \\ & 2.33 \\ & 4.55 \\ & 3.86 \\ & \hline \end{aligned}$ | $\begin{aligned} & 5.51 \\ & 5.03 \\ & 5.23 \\ & 9.54 \\ & 8.31 \end{aligned}$ | $\begin{gathered} 42.86 \\ 50.00 \\ 28.57 \\ 50.00 \\ 51.22 \\ \hline \end{gathered}$ | $\begin{aligned} & 69.23 \\ & 60.47 \\ & 42.86 \\ & 71.43 \\ & 51.22 \end{aligned}$ | $\begin{aligned} & 26.47 \\ & 27.58 \\ & 25.58 \\ & 27.27 \\ & 35.51 \end{aligned}$ | $\begin{aligned} & 84.21 \\ & 88.02 \\ & 73.33 \\ & 83.82 \\ & 88.89 \\ & \hline \end{aligned}$ | $\begin{aligned} & 85.62 \\ & 88.83 \\ & 86.67 \\ & 89.71 \\ & 91.11 \end{aligned}$ |

Results from this overall general self-reported health question have been well researched in epidemiological surveys. It has been a good predictor for numerous health and health-related outcomes. The person rates their health 'today' thus making the measure less susceptible to problems associated with measures of global health that do not specify a time period for recall or extend it to the 'last 30 days' or 'last 12 months'. The respondents were encouraged to respond taking into account both their physical and mental health into account.

## Prevalence of Injuries \& any resulting physical disability

## Social Aspects of HIV/AIDS

| Characteristics |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | \% | \% with disability | \% | \% with disability |
| Sex |  |  |  |  |
| Male | 1.62 | 36.84 | 1.45 | 41.18 |
| Female | 1.15 | 34.48 | 1.89 | 38.64 |
| Age group |  |  |  |  |
| 18-49 | 1.54 | 25.00 | 1.54 | 28.57 |
| 50-59 | 1.21 | 29.41 | 1.29 | 52.63 |
| 60-69 | 1.46 | 42.86 | 1.99 | 26.32 |
| 70+ | 1.18 | 44.44 | 2.36 | 43.75 |
| Residence |  |  |  |  |
| Urban | 1.44 | 36.17 | 1.48 | 34.78 |
| Rural | 1.17 | 38.89 | 1.86 | 53.57 |
| Marital Status |  |  |  |  |
| Never married | 1.60 | 30.00 | 1.60 | 50.00 |
| Currently married | 1.70 | 37.50 | 1.08 | 33.33 |
| Cohabiting | 1.16 | 100.00 | 1.74 | 66.67 |
| Separated/Divorced | 0.41 | 0.00 | 2.48 | 57.14 |
| Widowed | 0.99 | 30.00 | 2.37 | 29.17 |

## Percentage of women covered by breast/cervical cancer screening

| Characteristics | Breast cancer Screening past 10 years (ever) (\%) | Cervical cancer Screening at last pelvic exam (\%) |
| :---: | :---: | :---: |
| Age group |  |  |
| 18-49 | - | 56.6 |
| 50-59 | 9.0 (83.5) | 50.9 |
| 60-69 | 7.1 (85.3) | 53.3 |
| Residence |  |  |
| Urban | 10.3 (82.3) | 53.6 |
| Rural | 3.4 (92.4) | 34.5 |
| Marital Status |  |  |
| Never married | 5.7 (86.5) | 50.8 |
| Currently married | 9.3 (79.9) | 50.0 |
| Cohabiting | 4.3 (87.6) | 25.0 |
| Separated/Divorced | 8.5 (88.1) | 61.7 |
| Widowed | 7.2 (89.8) | 56.8 |

Breast cancer is the second most common cancer among South African females.
A total of 3324 breast cancers were recorded in females, comprising $15.6 \%$ of all cancers in this group (age standardised incidence rates=ASIR 26.60/100000).
The incidence of cervical cancer, especially in South African Black females, is among the highest in the world.


## Self reported overall general health

| Characteristics | Percent distribution |  |  |  |  | Missing | N |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Very good | Good | Moderate | Bad | Very bad |  |  |
| Sex |  |  |  |  |  | 1066 |  |
| Male | 9.03 | 37.50 | 38.71 | 13.55 | 1.05 |  | 1240 |
| Female | 4.61 | 32.90 | 46.11 | 14.64 | 1.48 |  | 2234 |
| Age group |  |  |  |  |  | 1066 |  |
| 18-49 | 19.90 | 51.99 | 21.14 | 4.73 | 1.99 |  | 402 |
| 50-59 | 6.38 | 38.96 | 39.77 | 13.79 | 0.95 |  | 1363 |
| 60-69 | 3.31 | 28.99 | 50.45 | 15.55 | 1.30 |  | 997 |
| 70+ | 2.11 | 24.02 | 53.37 | 18.68 | 1.69 |  | 712 |
| Residence |  |  |  |  |  | 117 |  |
| Urban | 5.73 | 35.79 | 43.30 | 13.37 | 1.30 |  | 2917 |
| Rural | 5.98 | 34.66 | 42.43 | 14.81 | 2.06 |  | 1506 |
| Marital Status |  |  |  |  |  | 1066 |  |
| Never married | 7.00 | 35.84 | 43.00 | 12.12 | 1.71 |  | 586 |
| Currently married | 7.86 | 39.51 | 39.14 | 12.53 | 0.82 |  | 1349 |
| Cohabiting | 4.52 | 42.37 | 38.42 | 12.99 | 1.69 |  | 177 |
| Separated/Divorced | 9.60 | 37.20 | 39.20 | 10.00 | 4.00 |  | 250 |
| Widowed | 2.97 | 25.45 | 51.48 | 18.66 | 1.05 |  | 1045 |

Men tended to rate their health as very good or good more frequently than women
Increasing age is associated with worsening health.

## Distribution of difficulties with "work or household activities"

| Characteristics | Percent distribution |  |  |  |  | Missing | N |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Very good | Good | Moderate | Bad | $\begin{aligned} & \hline \text { Very } \\ & \text { bad } \\ & \hline \end{aligned}$ |  |  |
| Sex <br> Male <br> Female | $\begin{aligned} & 48.87 \\ & 37.87 \\ & \hline \end{aligned}$ | $\begin{gathered} 14.92 \\ 15.94 \\ \hline \end{gathered}$ | $\begin{array}{\|l} 27.42 \\ 35.14 \\ \hline \end{array}$ | $\begin{array}{r} 7.42 \\ 8.91 \\ \hline \end{array}$ | $\begin{aligned} & 0.81 \\ & 1.25 \\ & \hline \end{aligned}$ | 1066 | $\begin{gathered} 1240 \\ 2234 \end{gathered}$ |
| $\begin{array}{\|l} \hline \text { Age group } \\ 18-49 \\ 50-59 \\ 60-69 \\ 70+ \end{array}$ | $\begin{aligned} & 72.89 \\ & 47.54 \\ & 34.80 \\ & 23.03 \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 8.96 \\ 15.48 \\ 18.15 \\ 15.87 \\ \hline \end{array}$ | $\begin{gathered} 13.18 \\ 29.35 \\ 36.01 \\ 43.96 \\ \hline \end{gathered}$ | $\begin{array}{\|l\|} \hline 3.48 \\ 6.60 \\ 8.93 \\ 13.76 \\ \hline \end{array}$ | $\begin{gathered} 0.75 \\ 0.59 \\ 1.00 \\ 2.39 \end{gathered}$ | 1066 | $\begin{aligned} & 402 \\ & 1363 \\ & 997 \\ & 712 \end{aligned}$ |
| Residence <br> Urban <br> Rural | 43.23 38.51 | $\begin{array}{\|l} 15.80 \\ 16.00 \\ \hline \end{array}$ | $\begin{aligned} & 31.78 \\ & 33.07 \end{aligned}$ | $\begin{aligned} & 7.20 \\ & 10.16 \\ & \hline \end{aligned}$ | $\begin{aligned} & 0.96 \\ & 1.53 \\ & \hline \end{aligned}$ | 117 | $\begin{aligned} & 2917 \\ & 1506 \end{aligned}$ |
| Marital Status <br> Never married Currently married Cohabiting Separated/Divorced Widowed | $\begin{gathered} 50.34 \\ 47.37 \\ 46.33 \\ 42.00 \\ 29.19 \end{gathered}$ | $\begin{array}{\|c} 11.95 \\ 15.42 \\ 20.90 \\ 15.60 \\ 16.94 \end{array}$ | $\begin{aligned} & 27.65 \\ & 29.28 \\ & 25.99 \\ & 32.40 \\ & 39.90 \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 7.51 \\ 6.75 \\ 3.95 \\ 8.80 \\ 11.77 \\ \hline \end{array}$ | $\begin{gathered} 1.54 \\ 0.67 \\ 1.13 \\ 0.80 \\ 1.34 \\ \hline \end{gathered}$ | 1066 | $\begin{aligned} & 586 \\ & 1349 \\ & 177 \\ & 250 \\ & 1045 \\ & \hline \end{aligned}$ |

The majority of males and females reported having no difficulty, although females to a lesser extent than males.
Females were more likely to report having moderate difficulty compared to males
Increasing age is associated with increased difficulty

## Mean Health Scores and WHODAS

| Characteristics | Mean health scores | Mean WHODAS score | N |
| :--- | :--- | :--- | :--- |
| Sex |  |  |  |
| Male | 65.70 | 14.7 | 1274 |
| Female | 61.41 | 19.3 | 2289 |
| Age group | 76.74 | 6.6 | 413 |
| $18-49$ | 64.16 | 14.1 | 1410 |
| $50-59$ | 60.71 | 20.0 | 1016 |
| $60-69$ | 56.45 | 27.9 | 531 |
| $70-79$ | 54.10 |  | 103 |
| $80+$ | 65.66 | 600 |  |
| Marital Status |  | 1403 |  |
| Never married |  | 180 |  |
| Currently married | 65.49 | 253 |  |
| Cohabiting | 64.76 | 1059 |  |
| Separated/Divorced | 61.83 |  |  |
| Widowed | 57.98 |  |  |
|  |  |  |  |

Health scores were calculated using Item Response Theory. In this approach, the responses (1 - 5) to Q2002-Q2024 were transformed into a health score by estimating the level of 'difficulty' of the question and the real 'distance' among the categories. The calculations were performed in Winsteps. The results are interpreted as 0 being worst health and 100 being best health.
The WHO DAS is a measure of disability where the single score is obtained using an analytical algorithm based on weighting for the different domains of functioning included. For the WHO DAS scores the higher the score the worse the person's functioning or the more difficulty a person reports having.


## Mean WHOQoL scores

|  | Mean WHOQoL score <br> Characteristics <br> (ranked from 1 to 5, 5 being the highest) |
| :--- | :--- |
|  |  |
| Sex |  |
| Male | 3.18 |
| Female | 3.09 |
| Age group |  |
| 18-49 | 3.48 |
| 50-59 | 3.07 |
| 60-69 | 3.08 |
| 70+ | 3.09 |
| Residence |  |
| Urban | 3.17 |
| Rural | 3.04 |
| Marital Status |  |
| Never married/cohabiting | 3.04 |
| Currently married | 3.30 |
| Cohabiting | 2.86 |
| Separated/Divorced | 3.03 |
| Widowed | 3.02 |
|  |  |

WHOQOL has been developed through an international collaborative effort and has demonstrated its well established psychometric properties in previous WHO studies There was very little difference between males and females but with a tendency for females to report slightly better QoL While differences are small, there is a trend showing that quality of life is rated as being better with increasing age in a linear fashion.

## Percent distribution of respondents needing/receiving health care

| Characteristics | Needed health care |  |  | No. of respo ndent s | Received health care in the last three years |  |  | No. of Resp onde nts |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | More <br> than 3 <br> years ago | $\begin{array}{\|c\|} \hline \text { In } \\ \text { the } \\ \text { last } 3 \\ \text { years } \\ \hline \end{array}$ | Neve <br> r <br> need <br> ed |  | Inpati ent care | Out patien t care | Did not receive health care |  |
| Sex |  |  |  |  |  |  |  |  |
| Male | 25.65 | 71.82 | 1.01 | 1274 | 4.66 | 52.96 | 37.77 | 1274 |
| Female | 21.74 | 77.85 | 1.26 | 2289 | 3.83 | 64.75 | 33.98 | 2289 |
| Age group |  |  |  |  |  |  |  |  |
| 18-49 | 22.75 | 76.52 | 1.55 | 413 | 6.87 | 48.73 | 45.29 | 413 |
| 50-59 | 25.52 | 73.15 | 0.83 | 1410 | 3.48 | 58.19 | 35.59 | 1410 |
| 60-69 | 22.17 | 77.14 | 1.05 | 1016 | 4.06 | 64.5 | 32.12 | 1016 |
| 70+ | 20.02 | 78.18 | 1.79 | 724 | 3.87 | 66.16 | 33.56 | 724 |
| Marital Status |  |  |  |  |  |  |  |  |
| Never |  |  |  |  |  |  |  |  |
| married/cohabiti |  |  |  | 600 |  |  |  |  |
| ng | 27.59 | 71.37 | 1.25 |  | 3.44 | 58.42 | 33.29 | 600 |
| Currently |  |  |  | 1403 |  |  |  | 1403 |
| married | 20.78 | 76.72 | 0.61 |  | 4.78 | 58.51 | 37.66 |  |
| Cohabiting | 33.22 | 67.04 | 1.19 | 180 | 3.58 | 45.11 | 39.38 | 180 |
| Separated/Divorc |  |  |  | 253 |  |  |  | 253 |
| ed | 24.48 | 75.13 | 2.11 |  | 2.55 | 60.11 | 35.66 |  |
| Widowed | 20.97 | 79.05 | 1.71 | 1059 | 3.89 | 67.42 | 32.61 | 1059 |
| Total | 23.13 | 75.7 | 1.17 | 3563 | 4.13 | 60.54 | 35.34 | 3563 |

- A total of three quarters needed health care in last three years (75.7\%).
-It is important to note that more than two-thirds (35.3\%) didno recejve-
health care service
Social science that makes a difference



## Discussion/Conclusions

- An important methodological contribution - use of direct health examinations, anthropometrics, biomarkers and vignettes to measure health status of the elderly population in order to get true prevalence of morbidity
- Results show that South Africans aged 50+ are at risk for NCDs as demonstrated by the high prevalence of risk factors which increased with age
- Four most prevalent self-reported chronic conditions in descending order among men and women respectively: hypertension, arthritis, edentulism and diabetes and they all increased with age
- Follow up studies will show trends and patterns of risk factors and NCDs to guide policy and programme development
- Cross country comparisons will provide an opportunity to learn from other countries
- Preliminary results show that ageing is a determinant for most chronic NCDs
- There are no NCD programmes in South Africa specifically for this age group
- Evidence-based prevention efforts targeting this age group are urgently needed.


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- Dr Monde Makiwane - Quality Control
- Dr Cily Tabane - Project Manager
- Mr Adlai Davids - GIS Specialist
- Ms Margaret Mbelle - PhD Intern
- Mr Shandir Ramlagan - PhD Intern
- Ms Gladys Matseke - Masters Intern
- Ms Khanyisa Phaweni - Masters Intern


