

# Knowledge of NCDs does not translate into healthy lifestyle behaviours: Implications for health communication

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PHASA Conference, September 2017

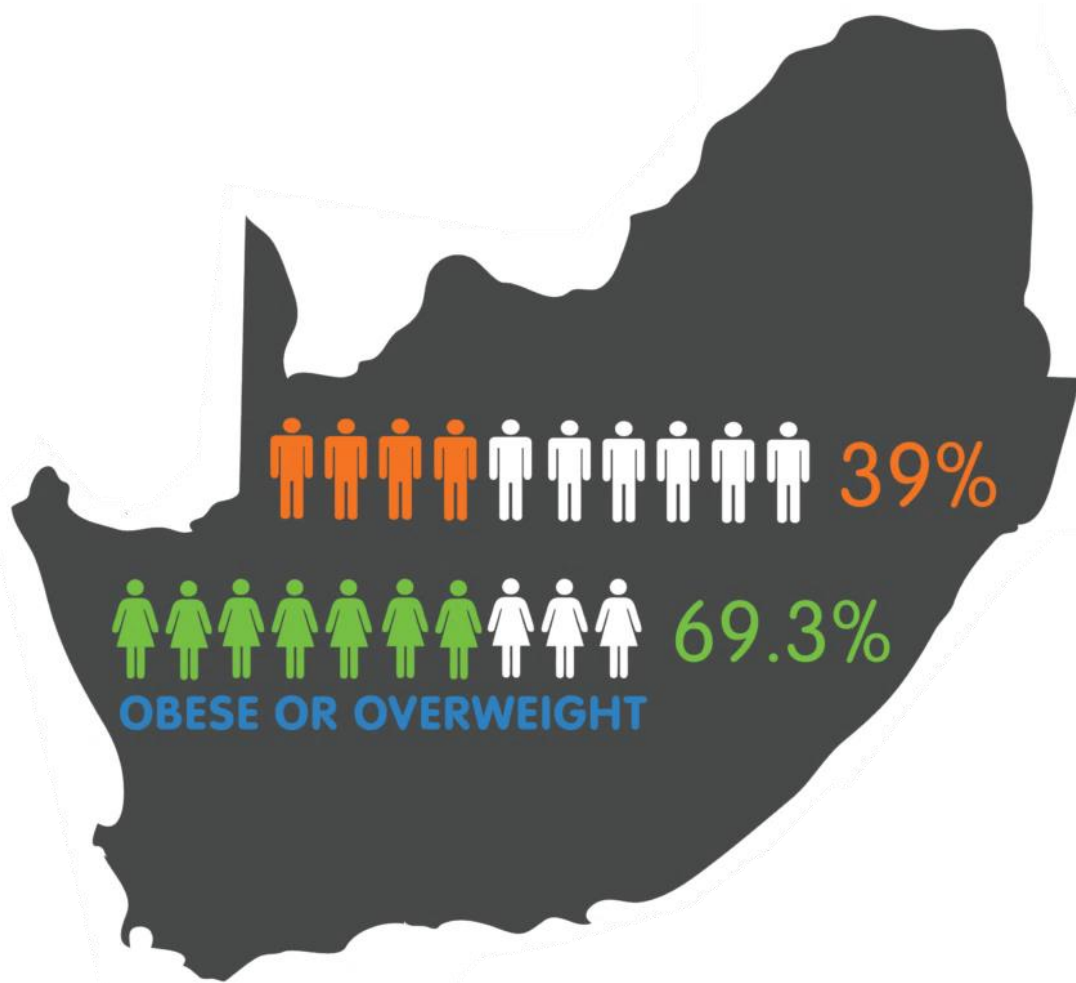


HEALA  
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**Background**

# South Africa has the highest obesity rate in Sub-Saharan Africa



Obesity related diseases account for almost 43% of deaths in SA

## Leading causes of death in SA:

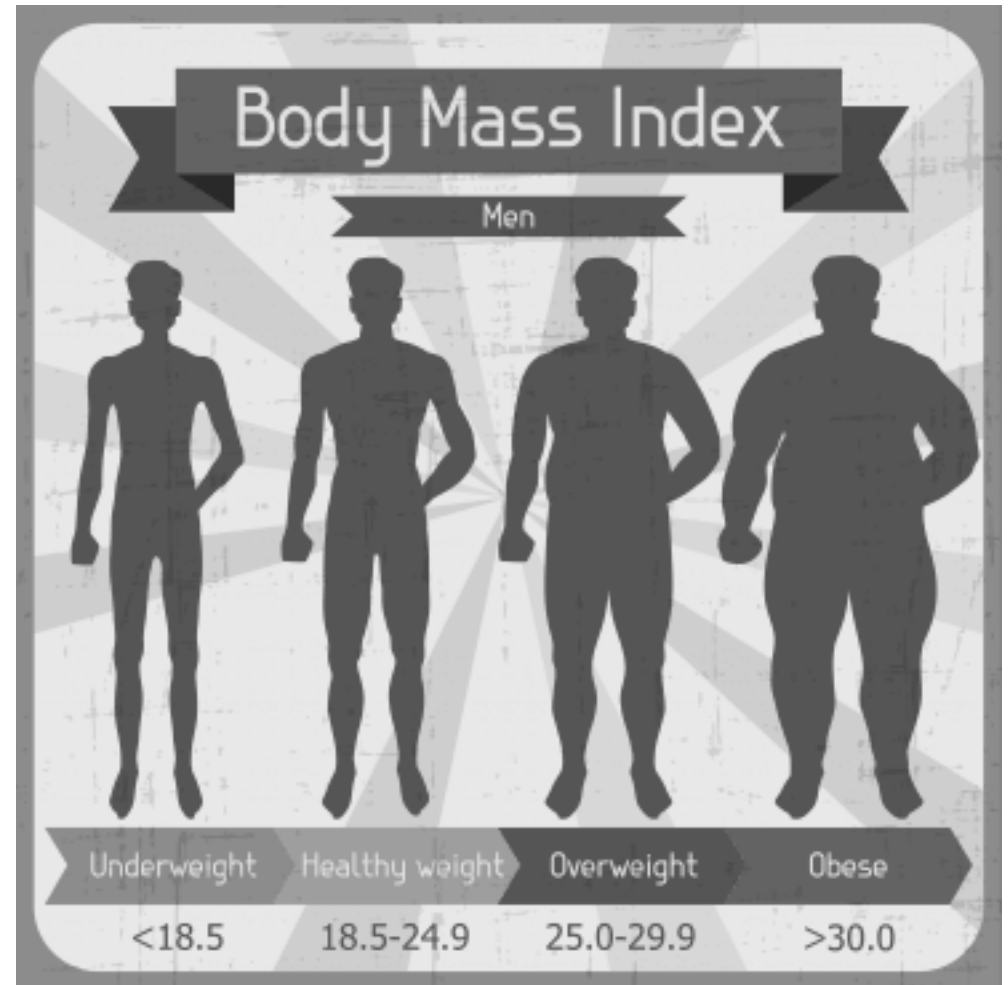
1. Tuberculosis
2. **Diabetes**
3. **Cerebrovascular diseases**
4. **Other forms of heart diseases<sup>1</sup>**
5. HIV
6. Influenza and pneumonia
7. **Hypertension**
8. Other viral diseases
9. Chronic lower respiratory disease
10. **Ischaemic heart disease**

## Defining overweight and obesity in adults

- BMI is a measure of body fat, based on height and weight.

$$\text{Body Mass Index (BMI)} = \frac{\text{weight (kg)}}{[\text{height (m)}]^2}$$

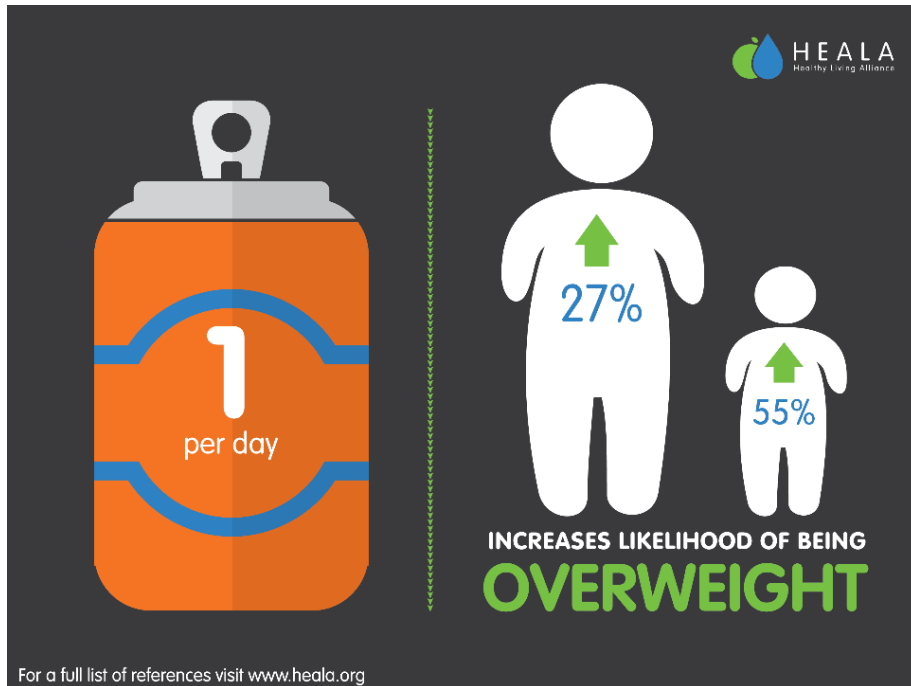
- Used to classify adult overweight and obesity.
- Best measure in the absence of anthropometric measurements.
- Internationally accepted standard.



# Vital Strategies and its partners aim to **reduce obesity** through the development and delivery of **high-impact interventions**

HEALA's "Are you drinking yourself sick?" campaign aims to:

- 1) reduce sugary drink consumption
- 2) gain support for sugar tax



HEALA  
Healthy Living Alliance

1  
per day

27%

55%

INCREASES LIKELIHOOD OF BEING  
**OVERWEIGHT**

For a full list of references visit [www.heala.org](http://www.heala.org)



**YOU WOULDN'T  
GIVE YOUR CHILD  
10 SPOONS OF SUGAR,  
WOULD YOU?**

Then why do you give them sugary drinks?  
Sugary drinks lead to fat build-up in and around vital organs, bringing on obesity, type 2 diabetes and heart disease. Are you drinking yourself sick?  
Visit [heala.org](http://heala.org) to find out more.

HEALA  
Healthy Living Alliance

The average 500ml bottle of sugary drink contains 10 teaspoons of sugar, where one teaspoon = 5g.

# Genesis Analytics conducted a baseline survey prior to campaign launch in October 2016

## Baseline survey assessed:



**1) Knowledge about the burden and risk factors for NCDs**

**2) Prevalence of healthy lifestyle behaviours**

**3) Attitudes / perceptions around the SSB tax**

# Methods



- Interviewed 1000 participants aged 18 – 55 years
- Gauteng, KwaZulu-Natal, Western Cape (metros and cities)



### Participant randomisation:

- Geographic framework sampling (Nielsen GeoFrame)
- Politz grids to randomly select one respondent per household



- Analysis conducted in STATA v14
- Data weighted to represent the population
- Reporting on frequencies and percentages



# Sample Description

## Sample description

	Unweighted, n (%)	Weighted, n (%)
<b>Total</b>	n = 1 000	n = 11 719 512
<b>Sex</b>		
Male	499 (49.9%)	5 863 751 (50.03%)
Female	501 (50.0%)	5 855 761 (49.97%)
<b>Age</b>		
18-29	389 (38.9%)	4 402 568 (37.6%)
30-49	470 (47.0%)	5 760 053 (49.2%)
50-55	141 (14.1%)	1 556 891 (13.3%)
<b>Education</b>		
Primary school completed	35 (3.5%)	376 809 (3.2%)
High school completed	268 (26.8%)	2 817 331 (24.0%)
Degree/Diploma completed	553 (55.3%)	6 513 810 (55.6%)
Postgraduate completed	120 (12.0%)	1 708 710 (14.6%)
Don't know	24 (2.4%)	302 852 (2.6%)

## Sample description

	Unweighted, n (%)	Weighted, n (%)
<b>Employment</b>		
Unemployed	368 (36.8%)	4 064 995 (34.7%)
Employed	502 (50.2%)	6 105 183 (52.1%)
Student	42 (4.2%)	494 476 (4.2%)
Other	88 (8.8%)	1 054 858 (9.0%)
<b>Marital Status</b>		
Single	512 (51.2%)	5 669 292 (48.4%)
Married	281 (28.1%)	3 815 549 (32.6%)
Separated	20 (2.0%)	232 692 (2.0%)
Divorced	16 (1.6%)	177 022 (1.5%)
Widowed	25 (2.5%)	237 761 (2.0%)
Living together	146 (14.6%)	1 587 196 (13.5%)

**Knowledge**

## Knowledge of risks of overweight and obesity

86%

Believe there is a link between being overweight/obese and **the risk of serious illness for *adults***<sup>1</sup>

76%

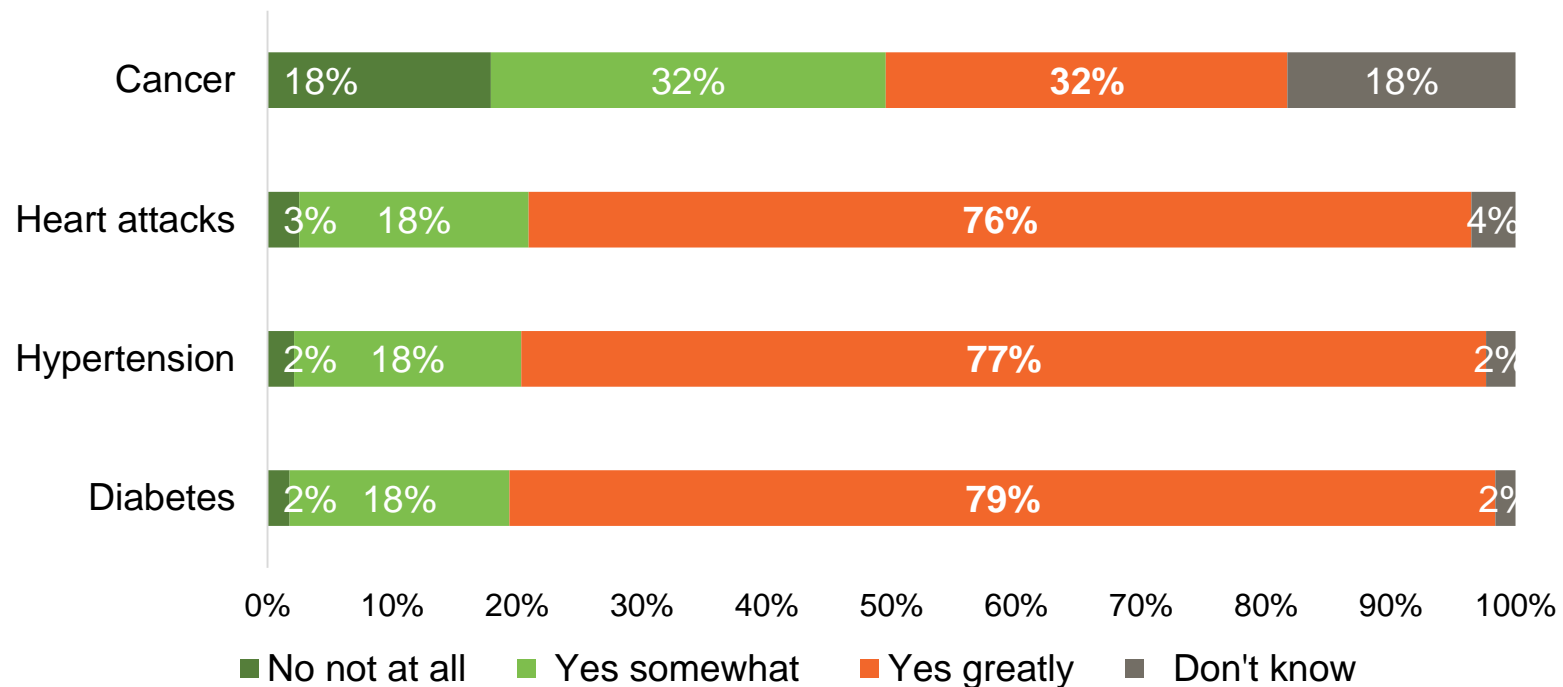
Believe there is a link between being overweight/obese and **the risk of serious illness for *children***<sup>2</sup>

<sup>1</sup>53% stated “extremely” and 34% stated “very much”; <sup>2</sup>42% stated “extremely” and 34% stated “very much”

n = 1 000

# Knowledge of risks of overweight and obesity

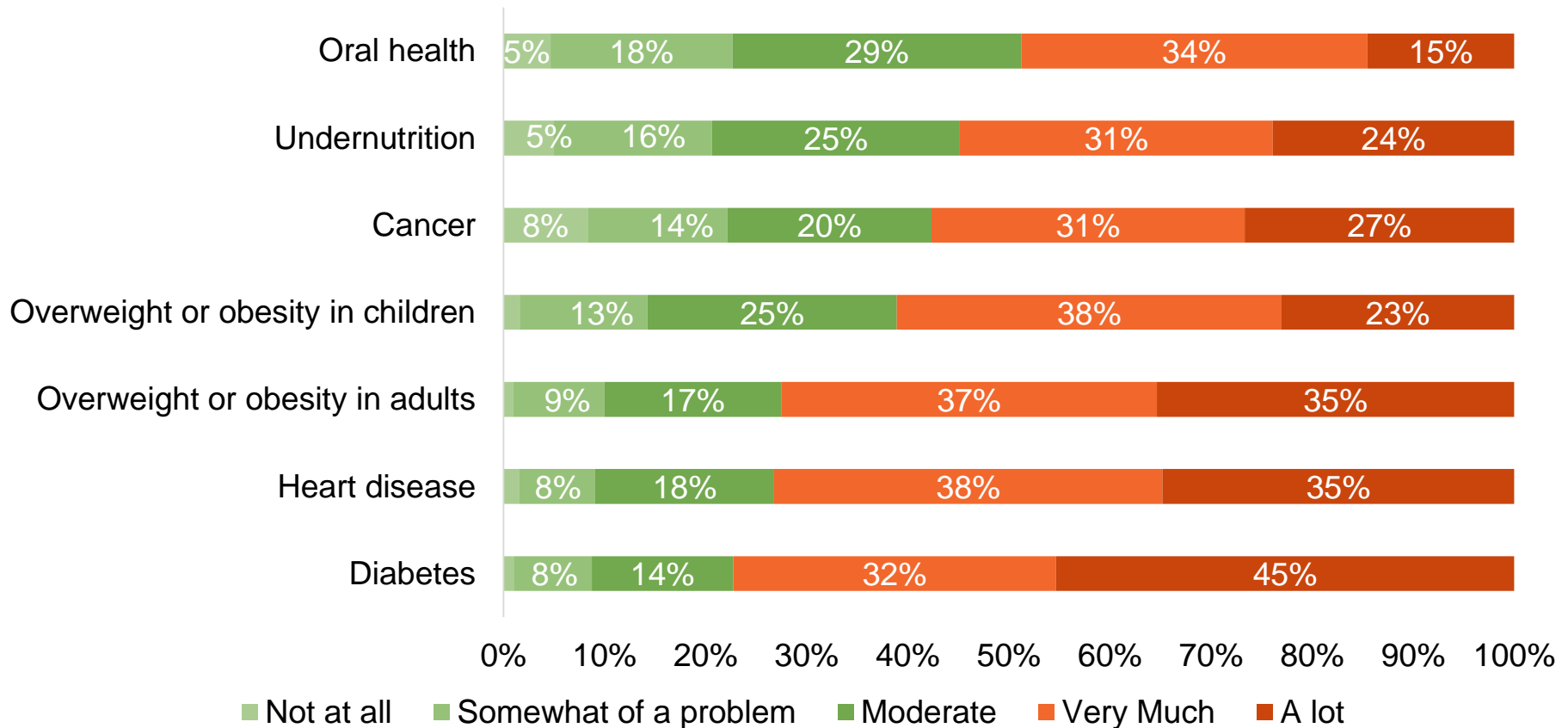
Does being overweight or obese increase the risk of...?



>75% understood the resulting risk of diabetes, hypertension, and heart attacks  
>30% knew that overweight / obesity greatly increases the risk of cancer

# Perception of NCDs as a problem in South Africa

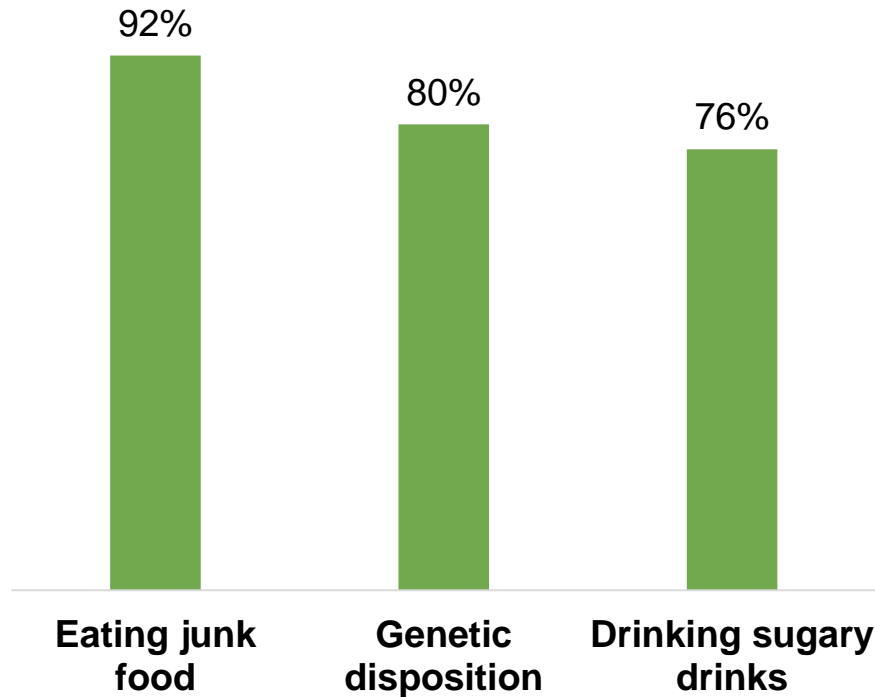
How much of a problem, if at all, are the following in your country?



Most considered NCDs to be a problem in South Africa

# Knowledge of causes of obesity

What are the three biggest causes of obesity? (spontaneous mention)



## Other factors identified:

- Lack of exercise (36.3%)
- Alcohol (1.2%)
- Eating too much (0.9%)
- Stress (0.9%)
- Sleeping too much (0.5%)
- Health conditions (0.3%)
- Lack of water (0.3%)
- Smoking (0.1%)

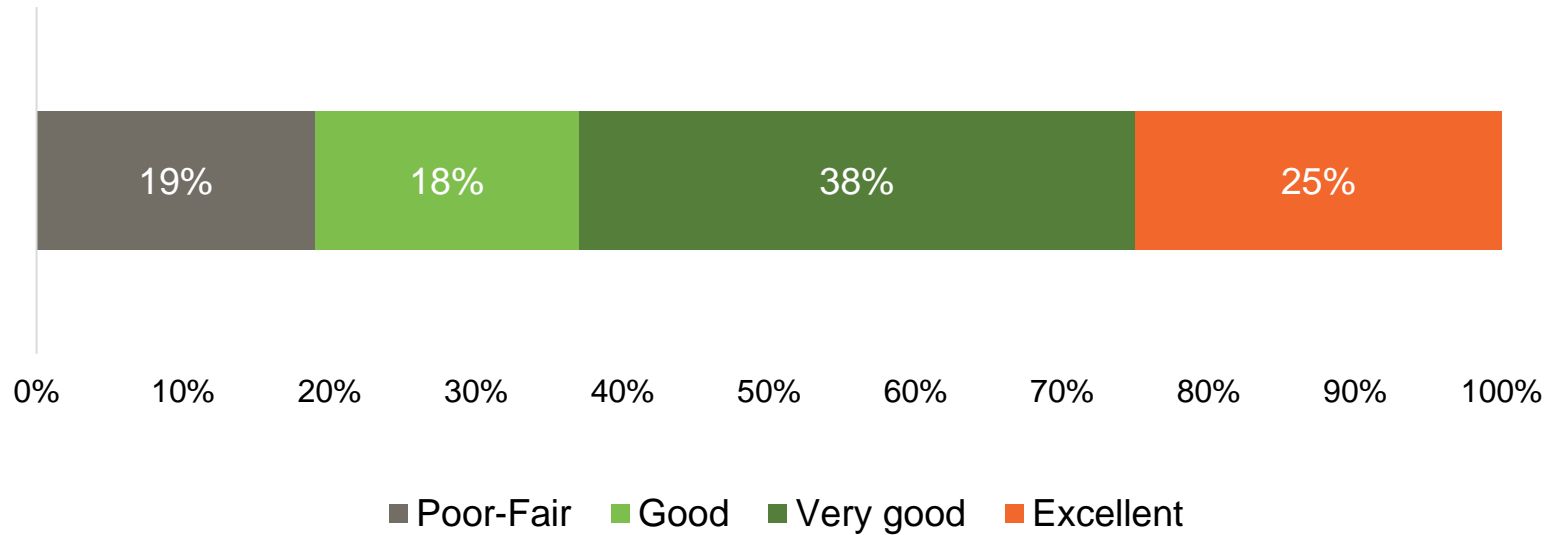
High knowledge on the link between poor nutrition and obesity



**Overall Health**

# Overall health

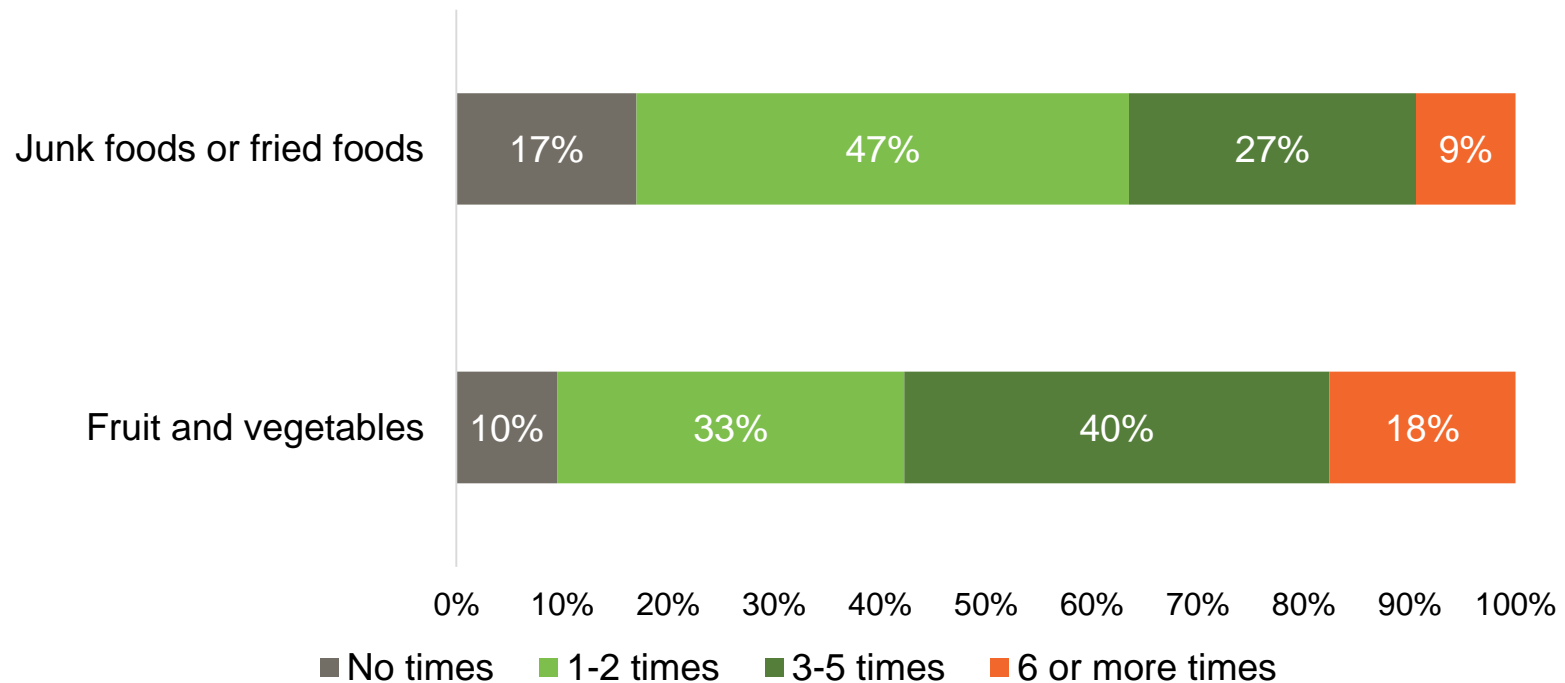
How would you describe your health overall?



Vast majority (>80%) consider themselves in good to excellent health

# Overall health – food consumption

In the last 7 days, how many times have you eaten...



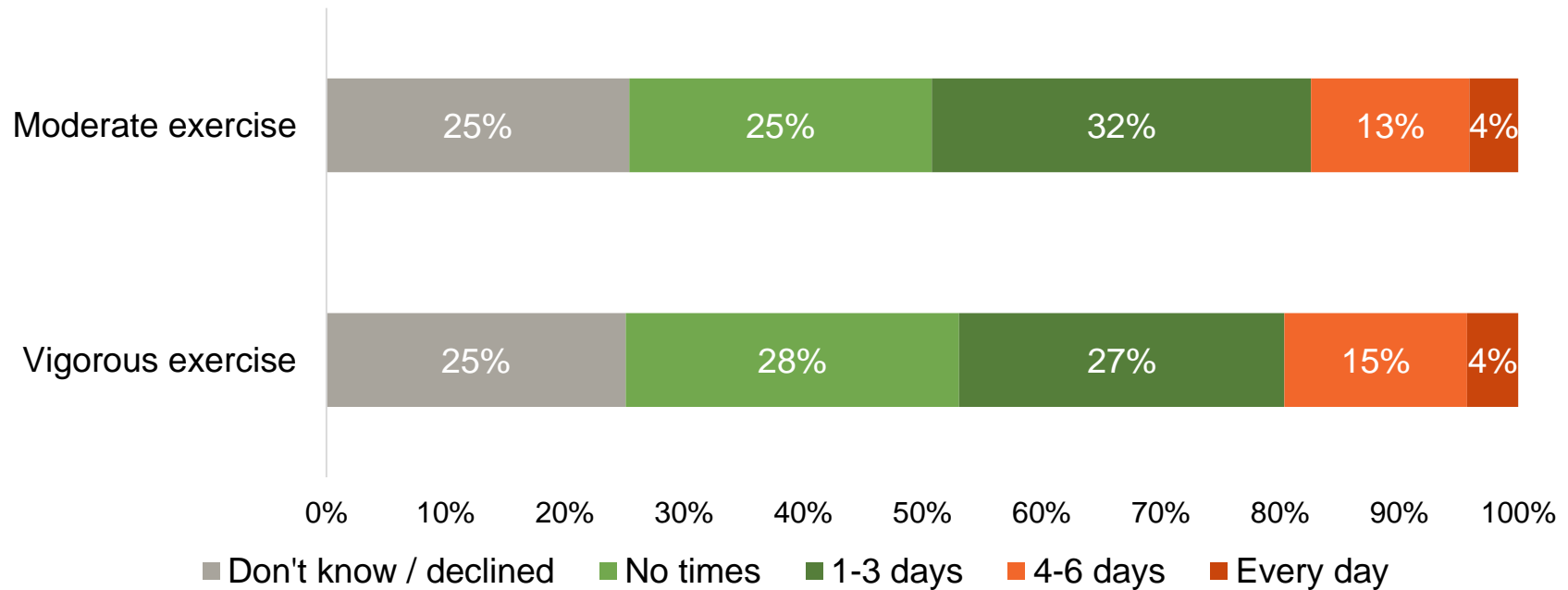
83% ate junk/fried food, in the previous 7 days

18% ate fruit or vegetables on an almost daily basis, in the previous 7 days

# Overall health – physical activity

In the last 7 days, how many times did you do...

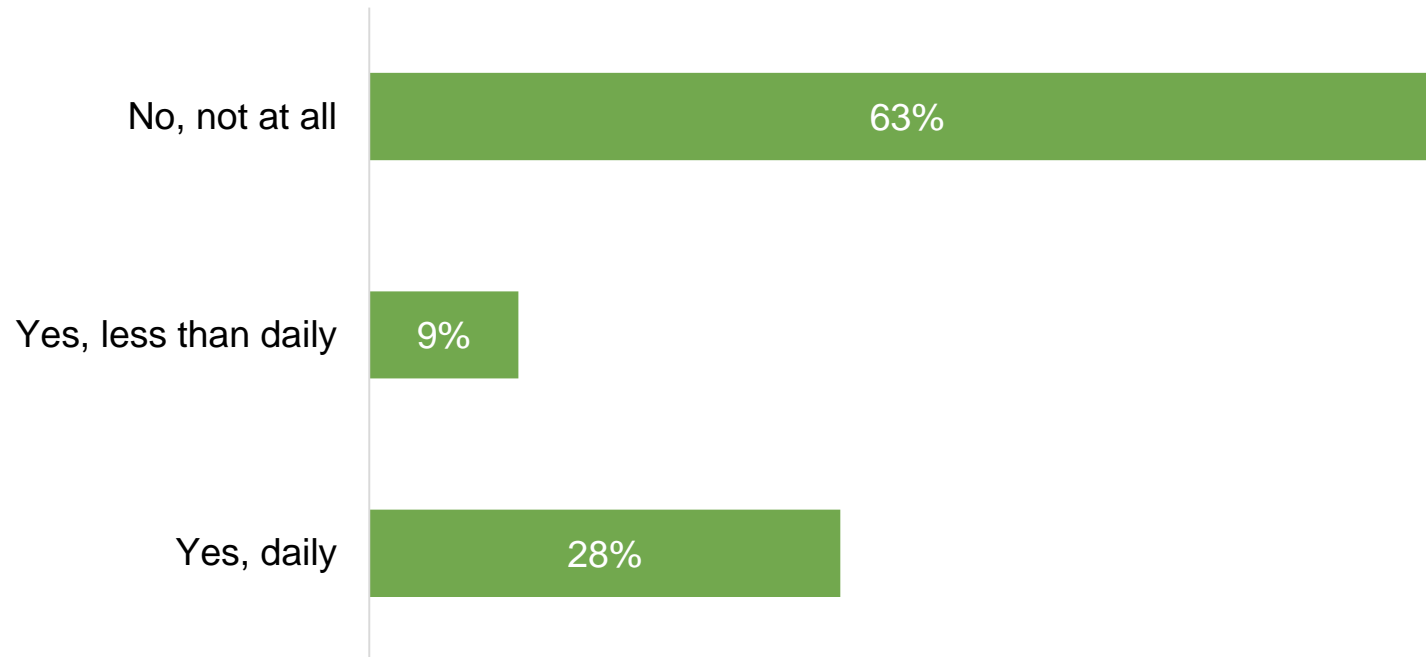
**WHO recommendations:**  
30 mins moderate-intensity OR  
15 mins vigorous-intensity;  
5 times per week



Less than 20% exercised at WHO recommended frequency

# Overall health – tobacco use

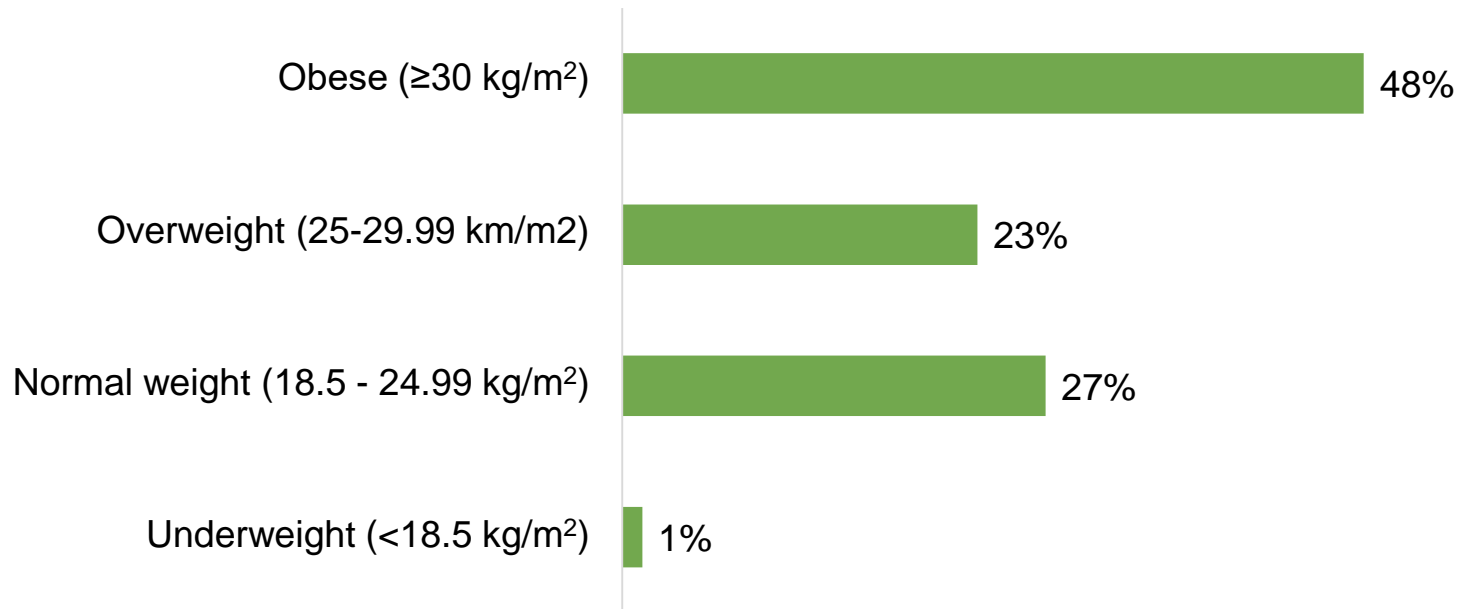
Do you currently use tobacco in any form?



Majority do not use tobacco, while 28% use tobacco daily

# Overall health – body mass index

What is your weight and height? [BMI calculated based on self-reported data]



Majority (>70%) were either overweight or obese

## Overview of findings

### High knowledge on the burden and risk factors for NCDs

- Most knew that overweight / obesity greatly increases risk of NCDs
- Large proportion considered NCDs a problem in SA
- Largest contributors to obesity identified as: junk food, genetic disposition, SSBs

### Poor behaviour, despite most (81%) describing their health as good

- Most had eaten junk/fried food in the past week
- Low levels of exercise
- About a third used tobacco daily
- High levels (>70%) of overweight and obesity

## Conclusions



Participant **behaviour poorly reflected their knowledge** on the burden and risk factors for NCDs



Need for health communication that moves beyond basic knowledge provision and promotes **practical, context-appropriate approaches for achieving a healthy lifestyle.**



# Acknowledgements

