

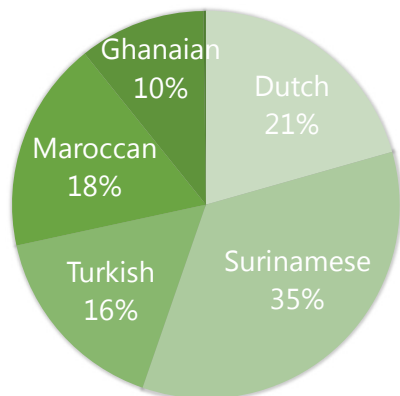
# Recommended cut-off values for low muscle mass are too low for overweight and obese individuals



## Methods



n 22,142  
 Age 46y (IQR 34-54y)  
 Sex 58% female  
 Mortality 19 % (n=1,626)



- Generated dose-effect curves with Generalized additive models (GAM)
- ASMI & FFMI as independent variable
- 5y all-cause mortality as dependent variable
- Cut-offs determined when Hazard Ratio > 1
- Adjusted for age

## Results

GLIM reference

BMI 18.5-24.9kg/m<sup>2</sup>  
n=8,611

BMI ≥25kg/m<sup>2</sup>  
n=13,551



Low ASMI (kg/m<sup>2</sup>)  
 Low FFMI (kg/m<sup>2</sup>)

<6

<15

<6.2

<15.6

<7.5

<18.6



Low ASMI (kg/m<sup>2</sup>)  
 Low FFMI (kg/m<sup>2</sup>)

<7

<17

<7.2

<17.3

<8.9

<21

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