of NAFLD is almost entirely the result of transition between absence to light NAFLD for subjects in the range 18–50 years old. A small effect of BMI was also seen in post-menopause women.

**Conclusions** The implications of this alarming and silent prevalence of NAFLD derived from the fact that this liver condition may progress to more severe liver disease.

### OVERWEIGHT AND OBESITY: PREVALENCE AND THEIR ASSOCIATION WITH SOME SOCIAL AND LIFE-STYLe CHARACTERISTICS IN A RANDOM SAMPLE POPULATION-BASED STUDY IN SOUTHERN ITALY

**Methods** We conducted a cross-sectional survey on a stratified random sample of 2301 subjects from the list of records maintained by general practitioners were drawn. Subjects were asked to complete a questionnaire regarding socioeconomic characteristics and life styles, underwent anthropometric measures and liver echography. A fasting blood sample was drawn. A quantile regression model was fitted to the data (conditional quantiles: 0.47 overweight and 0.83 obesity) with 500 bootstrapped replications.

**Results** Overall prevalence of overweight was 50.1% (male 59.5%, females 41.4%) whereas obesity prevalence was 16.1% (male 18.3%, females 14.6%). Overweight and obesity steady raised with age. Overweight was associated positively with age at enrolment, being a male, number of household members, daily alcohol intake, married status and high socio-economic status. Obesity was associated positively with age at enrolment, being a male and daily alcohol intake.

**Conclusion** There is little doubt that socio-cultural and life-style factors operate to influence overweight and obesity but it is important to investigate the factors and their interaction on obesity as well as the pathway linking them. This approach may support the development and implementation of effective public health strategies.

### STOMACH CANCER MORTALITY AMONG AGRICULTURAL WORKERS: RESULTS FROM A BRAZILIAN DEATH CERTIFICATE-BASED CASE-CONTROL STUDY

**Methods** Cases were men and women aged ≥20 years old that died of stomach cancer. For each case two age and sex matched controls were randomly selected, from all possible controls where the cause of death was not cancer or haematological disease. Crude and adjusted ORs were estimated to evaluate the magnitude of the risk.

**Results** Agricultural workers living in the Serrana Region of Rio de Janeiro State were at higher risk of death from stomach cancer (OR: 1.41 (95% CI 1.10 to 1.82)) compared to non-agricultural workers. Stratified analysis revealed that the risk was higher among younger (OR: 3.54 (1.58 to 7.08)) agricultural workers.

**Conclusion** These results suggest that agricultural workers living in the Serrana Region of the state of Rio de Janeiro were at statistically significant higher risk of death from stomach cancer compared to non-agricultural workers.

### CARDIOVASCULAR DISEASE CONDITIONS: PREVALENCE, AWARENESS, TREATMENT AND CONTROL AMONG THE URBAN POOR IN NAIROBI

**Methods** We conducted a cross-sectional survey on a stratified random sample of 5190 adults aged 18 years and older in an area under the Nairobi Urban Health Demographic Surveillance System. Data collected included self-reported diagnosis and treatment history of hypertension and diabetes, blood pressure and glucose measurements.

**Results** The prevalence of hypertension and diabetes was 12.3% and 4.3% respectively. Only one in five of those diagnosed with diabetes or hypertension was aware of their condition. Among those aware of having hypertension, less than one third were on treatment, and only 10% were controlled (blood pressure <140/90 mm Hg). Among those who were aware of being diabetic, just over half were on treatment and one-fifth had Random Blood Sugar <7.7 mmol/dl.

**Conclusion** The burden of common CVD among these poor communities is quite high. Worse, the level of awareness, treatment and control are dismally low. Interventions to increase awareness for example, through routine adult screening are needed to avert an impending CVD epidemic.