threshold probability of 20% to predict cardiovascular diseases in a population based cohort of 6224 Iranians aged 30–74 years with 10-year follow-up.

**Results**

Dividing NB by incidence resulted 17% and PAF shows 43% decrease in incidence, but NBF shows just 8% advantage for treatment according to the model.

**Conclusion**

NBF seems to be a challengeable issue in policy making using risk functions.

**P1-190** SOCIAL DETERMINANTS OF CARDIOVASCULAR DISEASE: INVESTIGATING A SWEDISH MALE COHORT AT AGES 50 AND 70

A Khanelkar,* D Vägerö, I Koupli. Centre for Health Equity Studies, Karolinska Institutet/Stockholm University, Stockholm, Sweden

**Background**

Social status is associated with cardiovascular disease (CVD) prevalence and incidence. We aimed to study relationships between socioeconomic position (SEP) and common CVD biomarkers; cholesterol, LDL/HDL, ApoB/ApoA1 and adiponectin

**Methods**

Of 2322 men that participated in an investigation at age 50, 1221 attended a reinvestigation at age 70. SEP was measured as occupational class and educational level. Linear regression (adjusted for age, body mass index and physical activity) was used to study associations between SEP and CVD biomarkers. CVD mortality over 36 year’s follow-up was analysed by Cox regression.

**Results**

At age 50: We found significant inverse associations of education and occupational group with mean cholesterol levels, whereas LDL/HDL ratio was associated with education only. These were statistically significant after adjustment for covariates.

No significant associations were found between either measure of SEP and ApoB/ApoA1 ratio. At age 70: No significant associations were found between either measurement of SEP and any biomarker studied. Men classified as highest educated and non-manual had decreased risk for CVD mortality during follow-up.

**Conclusions**

Associations of SEP with cholesterol levels and LDL/HDL ratio that exist at age 50, are no longer found in the same group of men at age 70. We found no significant association between SEP and adiponectin levels at age 70.

**P1-191** DO USA STATE-LEVEL SOCIAL SPENDING AND INCOME INEQUALITY PREDICT INDIVIDUAL MORTALITY? A FIXED EFFECTS, INSTRUMENTAL VARIABLE ANALYSIS

A Khanolkar,* D Vägerö, I Koupli. Centre for Health Equity Studies, Karolinska Institutet/Stockholm University, Stockholm, Sweden

**Background**

Social determinants in the social determinants of health. Among rich nations, and social assistance (eg, cash transfers) provides plausible investments for age, body mass index and physical activity) was used to study associations between SEP and CVD biomarkers. CVD mortality over 36 year’s follow-up was analysed by Cox regression.

**Methods**

Of 2322 men that participated in an investigation at age 50, 1221 attended a reinvestigation at age 70. SEP was measured as occupational class and educational level. Linear regression (adjusted for age, body mass index and physical activity) was used to study associations between SEP and CVD biomarkers. CVD mortality over 36 year’s follow-up was analysed by Cox regression.

**Results**

At age 50: We found significant inverse associations of education and occupational group with mean cholesterol levels, whereas LDL/HDL ratio was associated with education only. These were statistically significant after adjustment for covariates.

No significant associations were found between either measure of SEP and ApoB/ApoA1 ratio. At age 70: No significant associations were found between either measurement of SEP and any biomarker studied. Men classified as highest educated and non-manual had decreased risk for CVD mortality during follow-up.

**Conclusions**

Associations of SEP with cholesterol levels and LDL/HDL ratio that exist at age 50, are no longer found in the same group of men at age 70. We found no significant association between SEP and adiponectin levels at age 70.

**P1-192** A SMALL AREA ANALYSIS OF INJURIES AND RELATED FACTORS: 2009 COMMUNITY HEALTH SURVEY, KOREA

Y M Kim,* H Hong, J H Lim, K Cheong, H Yoon. 1Department of Preventive Medicine, Dong-A University College of Medicine, Busan, Republic of Korea; 2School of Public Health, Seoul National University, Seoul, Republic of Korea; 3Department of Preventive Medicine, Pusan National University, Busan, Republic of Korea

**Introduction**

As the incidence and death rate of injury are relatively high in Korea, the public health concerns are now increasing. The aim of this study are (1) to describe the regional distribution and pattern of the injury prevalence, (2) to evaluate the relationship between the Korea poverty index and the regional variation of the injury.

**Methods**

The 2009 Korea Community Health Survey> was the national survey interview survey in Korea. The type of injury was categorised by ICECI and the age adjusted injury prevalence was calculated. The regional variation was evaluated by the index; EQ (Extremal Quotient), CV (Coefficient of Variation), CVA (CV from ANOVA). For explaining the effect of Korea poverty index to regional variation, general linear model was applied.

**Results**

The 1-year experience of all kinds of injury was more prevalent to men than to women. Falls (30%) was most frequent type of injury. The significant regional variation was found according to the category of injury. In the urban area, the 1-year experience rate of all kinds of injury was 5.47 (4.39–6.54) in poorest region by Korea poverty index, and 4.61 (4.29–4.94) in richest region. The statistically significant linear trend was found across the quintile of poverty index (p for trend = 0.04).

**Discussion**

There were significant regional variations according to the rurality, administrative regions, and the Korea poverty index. For the tackling the high prevalence and regional discrepancy of the injury, community specialised and area based intervention were needed.

**P1-193** TWO-YEARS MORTALITY AFTER EVIDENCE BASED DRUG THERAPY OF ACUTE MYOCARDIAL INFARCTION: A POPULATION-BASED COHORT STUDY IN ROME, ITALY

U Kirchmayr,* V Belludi, N Agabiti, M D Martino, L Bauleo, L Pimarelli, D Fusco, M Arcà, M Davoli. Department of Epidemiology of the Regional Health Service, Lazio Region, Italy

**Introduction**

Clinical guidelines recommend treatment with evidence-based (EB) drug therapy (antiplatelets, β-blockers, agents acting on the renin-angiotensin system, statins) for patients with acute myocardial infarction (AMI). Results on long term outcomes from observational population studies are scarce.

**Objectives**

Analysing the association between EB drug therapy and 2 years mortality in AMI patients.

---

*Poster session 1*