Background To investigate myocardial infarction (MI) morbidity, mortality and death rates between 1977 and 2006, and their determinants in a high-risk population in Russia.

Materials and Methods The WHO programs “Register of Acute Myocardial Infarction”, “MONICA”.

Results During 30 years (1977–2006), 23,137 MI cases were registered, of which 7,630 were fatal. The 30-year MI morbidity rates were recorded by three screening studies in 1984, 1988, 1994 which roughly correspond with increases in MI morbidity and mortality rates.

Conclusions Our results have shown the MI morbidity in population correspond with increases in MI morbidity and mortality rates. They may be markers of the increasing social and economic instability in the country.

AN EPIDEMIOLOGICAL STUDY ON HEALTH PROVIDER PRACTICES AND THE FACTORS INFLUENCING THEM IN RURAL AREA OF UDUPI TALUK, KARNATAKA, INDIA

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Objectives To know the range of services provided by the various health providers, to study their criteria for determining fees for the services provided, to understand their barriers in providing the services and to study the factors responsible for their job satisfaction and dissatisfaction in rural areas of Udupi taluk, Karnataka state, India.

Materials and Methods A cross-sectional study was conducted in rural areas of Udupi taluk between September 2007 and October 2008 among 150 rural practitioners. Data were collected by interviewing the practitioners using pre-tested, semi-structured questionnaire. The quantitative data were analysed using SPSS 14.0. The qualitative data were collected using In-depth interview technique.

Results and Conclusion Provision of preventive health services and participation in national programmes by the private practitioners was found to be inadequate. Practitioners determine their fees based on the economic status of the patient and the cost of medicines dispensed. Inadequate and irregular income is the major barrier for both government and private sector doctors and most of them were moderately satisfied with their job.

Psychosocial factors and arterial hypertension in males aged 25–64 years in Russia (Epidemiological Research)

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Background To study connection of arterial hypertension (AH) with psychosocial factors (PF) at men in the age of 25–64 years in Russia.

Materials and Methods A random representative sample of males (a total of 2149 individuals) aged 25–64 years from the city Novosibirsk was examined (screening of the WHO “MONICA-psychosocial” program (“MOPSY”), 1984, 1988, 1994 yr.). Depression (D), vital exhaustion (VE), hostility (H), sleep disturbance; test Berkman-Syme (social support—index of close contacts (ICC), index of social connections (SNI)); Spilberger’s test for estimation personal anxiety (PA) were used. For AH accepted the arterial pressure >140/90 mm Hg.

Results Determined, that persons with AH have tendencies: (1) in higher parameters of “average”, “bad” sleep; (2) in lower values of indexes of social support—a (low ICC with AH—65.1%, p<0.01) and SNI (low SNI with AH—45.1%, p<0.05) (3) in increase of a parameter of PA (with AH—52.3%, p<0.05). Authentic connection AH is precisely determined with: (1) education, achieving a maximum of distinctions at an initial education (initial: with AH—25.1%, p<0.05) (2) an professional level (working trades—10.7% p<0.001) (3) with VE (a high level of VE: with AH—16.6%, p<0.05) (4) with D (with AH—55.3%, p<0.05). In too time at hostility of distinctions between groups it is not determined.

Conclusion Received results testify to interrelation AH in a population with psychosocial factors and once again emphasise importance of their correction.