Abstracts

The aim of this prospective cohort study will be to assess changes in self-reported psychosocial factors, work ability, and job satisfaction, as well as to evaluate the incidence of somatic complaints and health disorders in anaesthesia HPs. Additional objective of the study will be to evaluate associations between analysed variables.

Cohort participants HPs working in a health institution for anaesthesia, reanimation and intensive care from Skopje will be included in the first phase of the study with a possibility to enrol other health institutions during the next phases of the research. The first phase will involve about 120 anaesthesia HPs (about 50 physicians and 70 nurses).

Data collection phases At enrolment point, the participants will be invited to complete questionnaires and to attend a preventive medical examination by a specialist in occupational medicine (OM). The follow-up will include an annually self-administered questionnaire as well as periodic visits to an OM specialist.

Main types of data collected Data collected for participants will include demographic and job characteristics; physical, organisational, emotional, and cognitive job demands; characteristics of shift/night work; burnout dimensions; teamwork; presence of chronic respiratory, skin, and musculoskeletal symptoms; work ability index; and job satisfaction factors (planning issues, general attitudes, performance issues, management issues, supervisory issues, training and salary issues, and benefits issues). Regarding medical examination by an OM specialist, a plenty of data on health status as well as work ability, will be collected at enrolment phase, and during follow-up.

Mental Health

RISK OF MENTAL HEALTH DISORDERS IN HUMAN SERVICE OCCUPATIONS: A REGISTER BASED STUDY OF 445,651 NORWEGIANS


Objectives Mental disorders contribute strongly to disability. Work in human service occupations has been considered a risk factor in several studies. We aimed at quantifying this relationship in a prospective follow-up of all employed persons born in Norway, 1967–1976.

Methods We conducted follow-up in several national registries. Based upon the ISCO98 four-digit code, we classified 2007 occupations into customer contact, client/patient contact, and reference (no contact). Client/patient contact was subdivided into health care, education and social work. We collected mental disorder diagnoses (ICD-10 F00-F99), in particular affective (F30-F39) and stress-related (F40-F48), in the Norwegian Patient Registry, 2008–2011. Four-year prevalence differences (PD) per 100 across occupational categories were estimated in binomial regression models adjusted for year of birth, marital history, current family pattern, and education level.

Results Among 4 45 651 employed persons, 18% held customer-related occupations while 25% held occupations with client/patient contact. The total four-year prevalence of mental disorder was 8.6/100 (38,207 patients). Affective and stress-related prevalences were 5.3 and 6.5 for women, and 3.0 and 3.2 for men, respectively. Adjusted PD estimates showed positive associations between client/patient contact occupations and mental disorders: for women, affective and stress-related disorder PD estimates were 1.1 (95% confidence interval (CI); 0.9–1.3) and 1.3 (CI; 1.0–1.5), respectively. The corresponding PD estimates for men were 1.7 (CI; 1.5–2.0) and 1.5 (CI; 1.2–1.7). We found strongest associations for women in social work (PD 2.3 for stress-related disorders) and men in health care (PD 2.6 for affective disorders). Associations with other mental disorder categories were weak, as were associations with customer contact occupations.

Conclusions Affective and stress-related morbidity was clearly associated with occupations involving client/patient contact for both sexes. We cannot dismiss health selection as an alternative to a causal effect of work-related factors. This register-based study is not well suited to provide mechanistic explanations.