

THE DEPARTMENT OF PUBLIC HEALTH SCIENCES

Social inequalities in mental health and mortality among refugees and other immigrants to Sweden

Epidemiological studies of register data

AKADEMISK AVHANDLING

som för avläggande av medicine doktorsexamen vid Karolinska Institutet offentligen försvaras i Samuelssonsalen, Tomtebodavägen 6 (Solna)

Onsdagen 27 februari, 2013, kl 13.00

av Anna-Clara Hollander, psykolog

Huvudhandledare:
Docent Solvig Ekblad
Karolinska Institutet
Institutionen för lärande, informatik,
management och etik
Enheten för Cultural medicine

Bihandledare:

Professor Bo Burström, MD Karolinska Institutet Institutionen för Folkhälsovetenskap Avdelningen för Socialmedicin

Professor Emeritus Jan Ekberg Linnéuniversitetet Centrum för arbetsmarknadspolitisk forskning Enheten för Labour Economics, Discrimination and Economic Psychology

Professor Marina Thorborg Södertörns högskola Institutionen för Livsvetenskaper Enheten för Utvecklingsstudier Fakultetsopponent:

Professor Kamaldeep Bhui, MD Queen Mary University of London Wolfson Institute of Preventive Medicine Cultural Psychiatry and Epidemiology

Betygsnämnd:

Professor Ragnar Westerling, MD Uppsala Universitet Institutionen för folkhälso- och vårdvetenskap Enheten för Socialmedicin

Professor Yvonne Forsell, MD Karolinska Institutet Institutionen för Folkhälsovetenskap Avdelningen för Folkhälsoepidemiologi

Professor Emeritus Lars Jacobsson, MD Umeå Universitet Institutionen för klinisk vetenskap Enheten för psykiatri

ABSTRACT

This thesis aimed to increase knowledge, using population-based registers, of how pre- and post-migration factors and social determinants of health are associated with inequalities in mental health and mortality among refugees and other immigrants to Sweden.

It addressed four research questions: (1) Are there differences in mental health status between refugees and non-refugee immigrants, and could the hypothesised differences explain mental health differences between immigrants from different countries or areas of origin? (2) Do refugee immigrants have higher mortality rates than non-refugee immigrants? (3) Does the combination of general social determinants of health and post-migration factors increase inequalities among men and women in the relative risk of hospitalisation because of depressive disorder? (4) Are there gender differences in how pre- and post-migration factors and social determinants of health are associated with mental health among immigrants?

Study I & II had cross-sectional designs and used logistic regression analysis to study differences in mental health status between refugee and non-refugee immigrants. In Study I, there was a significant difference in poor mental health (measured by prescribed and purchased psychotropic drugs) between female refugees and non-refugees (OR = 1.27; CI = 1.15-1.40) when adjusted for socioeconomic factors. This difference was not present among males. In Study II, refugee men had a higher likelihood of poor mental health than non-refugees and the Swedish born. Female immigrants had a higher likelihood of poor mental health than Swedishborn women. Adjusted for socioeconomic factors, refugees of most origins had a higher likelihood of poor mental health than non-refugees of the same origin. Study III had a cohort design and analysed mortality rates among non-labour immigrants, using Cox regression analysis. Male refugees had a higher relative risk of mortality from cardiovascular disease (HR = 1.53; CI = 1.04-2.24) and external causes (HR = 1.59; CI = 1.01-2.50) than male non-refugees did, adjusted for socioeconomic factors. Study IV had a cohort design, used Cox regression, and included the population with a strong connection to the labour market in 1999 to analyse the relative risk of hospitalisation due to depressive disorder following unemployment. The lowest relative risk of depressive disorder was found among employed Swedish-born men; the highest risk was among foreign-born females who experienced unemployment during follow-up (HR = 3.47; CI = 3.02-3.98).

In conclusion, immigrants, and particularly refugees, have poorer mental health than native Swedes. Refugee men have a higher relative mortality risk for cardiovascular disease and external causes of death than do non-refugees. The relative risk of hospitalisation due to depressive disorder following unemployment was highest among immigrant women. In order to promote mental health and reduce mortality among immigrants, it is important to consider preand post-migration factors as well as the general social determinants of health.

ISBN-nummer 978-91-7549-002-1