

Press release

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Basic information

Name: Nanna Weye Email: nowe@econ.au.dk Phone: 40158634

Department of: Public Health

Main supervisor: John McGrath

Title of dissertation: The burden of disease of mental and substance use disorders in Denmark

Date for defence: 25.08.2021 at (time of day): 15.00 Place: 1262 (Samfundsmedicinsk auditorium) / virtual defence via Zoom

Press release (Danish)

Sygdomsbyrden af psykisk sygdom og misbrugssygdom

Global Burden of Disease projektet (GBD) har forbedret, hvordan vi mäter sygdommes indvirkning på tidlig død (years of life lost, YLL) og år levet med sygdom (years lived with disability, YLD). For psykiske sygdomme har inklusionen af YLDs i målingen af den samlede sygdomsbyrde tydeliggjort, hvor invaliderede disse sygdomme er. Stigende evidens påpeger en øget risiko for udviklingen af andre psykiske sygdomme samt tidlig død blandt personer med psykisk sygdom. Dette er ikke tidligere inddraget i beregningerne af YLL og YLDs. I et nyt ph.d.-projekt fra Aarhus Universitet, Health undersøges sygdomsbyrden af psykisk sygdom og misbrugssygdom i Danmark ved brug af nationale registre. Projektet er gennemført af Nanna Weye, der forsvarer det d. 25/08-2021.

Ph.d.-projektet undersøgte sygdomsbyrden af 18 forskellige psykiske sygdomme og misbrugssygdomme. Alkoholmisbrug var forbundet med den højeste samlede sygdomsbyrde af de undersøgte sygdomme. Efter at have taget højde for komorbide sygdomme var skizofreni forbundet meget flest YLDs og det højeste tab af sund levetid på individniveau. Derudover vidste resultaterne, at alle psykiske sygdomme og misbrugssygdomme var forbundet med kortere gennemsnitslevetid sammenlignet med hele den danske befolkning. Metoderne udviklet og anvendt i dette projekt kan supplere metoderne benyttet i GBD-projektet, da de giver information om tabt sund levetid på individniveau.

Forsvaret af ph.d.-projektet er offentligt og finder sted den 25/08-21 kl. 15 i Samfundsmedicinsk auditorium, Aarhus Universitet, Bartholins Allé 2, Aarhus C og via Zoom. Link med adgang til forsvaret kan fremsendes ved henvendelse til Nanna Weye på nowe@econ.au.dk senest d. 23/8-2021. Titlen på projektet er "The burden of disease of mental and substance use disorders in Denmark". Yderligere oplysninger: Ph.d.-studerende Nanna Weye, e-mail: nowe@econ.au.dk, tlf. 40158634

Bedømmelsesudvalg:

Lektor Deirdre Cronin-Fenton, PhD, Institut for Klinisk Medicin - Klinisk Epidemiologisk Afdeling, Aarhus Universitets Hospital, Danmark

Adjunkt Daniel Vigo, MD, PhD, Institut for Psykiatri, University of British Columbia, Canada

Professor Brecht Devleesschauwer, PhD, Institut for Epidemiologi og Folkesundhed, Sciensano, Belgium

Press release (English)

The burden of disease of mental and substance use disorders

The Global Burden of Disease study (GBD) has revolutionized the measurement of the burden of disease by combining a measure of premature mortality (years of life lost, YLL) and a measure of disability (years lived with disability, YLD). The concept of YLDs played an important role in bringing the burden of mental and substance use disorders (MSDs) to the public attention. Yet there is increasing evidence to suggest an increased risk for subsequent morbidity and mortality in people diagnosed with MSDs. The aim of this PhD project was to describe the burden of mental and substance use disorders in Denmark using nationwide health registers and incorporating information on comorbid conditions. The project was carried out by Nanna Weye, who is defending her dissertation on August 25th 2021.

The PhD project examined the burden of disease of 18 mental and substance use disorders, of which alcohol use disorder was associated with the highest overall burden of disease. Schizophrenia was associated with the highest YLDs and health loss at the individual level after adjustment for comorbid conditions. Furthermore, all mental and substance use disorders were associated with reductions in life expectancy compared to the general population. The methods used and developed in this PhD project are complementary to GBD methods as they present health loss at the individual level.

The defence is public and takes place on August 25th 2021 at 3pm in Samfundsmedicinsk auditorium, Aarhus University, Bartholins Allé 2, Aarhus and via Zoom. Access to the online defence can be achieved by contacting Nanna Weye on nowe@econ.au.dk no later than August 23, 2021. The title of the project is "The burden of disease of mental and substance use disorders in Denmark". For more information, please contact PhD student Nanna Weye, email: nowe@econ.au.dk, Phone +45 40158634.

Assessment committee:

Associate Professor Deirdre Cronin-Fenton, PhD, Department of Clinical Medicine - Department of Clinical Epidemiology, Aarhus University Hospital, Denmark

Assistant Professor Daniel Vigo, MD, PhD, Department of Psychiatry, University of British Columbia, Canada

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