NATIONALT
VIDENSCENTER
FOR DEMENS

Public health and dementia

Read about DDRC's research projects on public health and dementia.

Dementia in Denmark

Using nationwide registry data, we conduct studies on the prevalence and incidence of dementia in Denmark. The studies have revealed that the incidence rate has declined steadily since 2003, while the total prevalence is still increasing.

Using registry data, we have also examined variations in diagnostic evaluation across e.g. age span, ethnicity and geography.

Studies based on the nationwide registries are conducted in collaboration with the National Centre for Register-based Research at Aarhus University.

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Publications

Taudorf L, Nørgaard A, Islamoska S et al. Declining incidence of dementia: A national registry-based study over 20 years. Alzheimer's Dement. 2019;15:1383–1391.

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Salem LC, Andersen BB, Nielsen TR et al. Inadequate diagnostic evaluation in young patients registered with a diagnosis of dementia: a nationwide register-based study. Dement Geriatr Cogn Dis Extra. 2014;4(1):31-44.

Jørgensen K, Waldemar G. Prævalens af demens i Danmark. Ugeskr Læger. 2014;177:1041–1044.

Salem LC, Andersen BB, Nielsen TR et al. Overdiagnosis of dementia in young patients - a nationwide register-based study. Dement Geriatr Cogn Disord. 2012;34(5-6):292-9.

Nielsen TR, Vogel A, Phung TK et al. Over- and under-diagnosis of dementia in ethnic minorities: a nationwide register-based study. Int J Geriatr Psychiatry. 2011;26(11):1128-35.

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Phung TK, Andersen BB, Kessing LV et al. Diagnostic evaluation of dementia in the secondary health care sector. Dement Geriatr Cogn Disord. 2009;27(6):534-42.

Phung TK, Andersen BB, Høgh P et al. Validity of dementia diagnoses in the Danish hospital registers. Dement Geriatr Cogn Disord. 2007;24(3):220-8.

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Mortality and dementia

The research project uses Danish national health registry data to conduct several epidemiological studies that explore different aspects of mortality in dementia. For example risk factors, excess mortality and variations over time.

The studies are part of a Ph.D. programme (2016-2021) and is carried out in collaboration with the National Centre for Register-based Research at Aarhus University.

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Infections and Dementia

The research project uses Danish national health registry data to conduct several epidemiological studies that explore the role of infections in dementia. The studies particularly focus on investigating whether infections are risk factors for developing dementia, and their impact on hospitalization in dementia as well as adverse hospital outcomes, namely hospital readmissions and mortality.

The research project was initiated in 2018 and is being carried out in collaboration with the National Centre for Register-based Research at Aarhus University and Department of Clinical Microbiology, Rigshospitalet.

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Publications

Janbek J, Taudorf L, Musaeus CS et al. Increased short- and long-term mortality following infections in dementia: a nationwide registry-based cohort study. Eur J Neurol. 2020.

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