



Danish Registry Reviews

- Recommendations from the Danish Society of Pharmacoepidemiology -

Background

Most Danish registries have previously been reviewed. However, reviews may over time become outdated for several reasons:

- The registries or the methods for which they can be used in research change over time
- The application procedures and legislation may change
- Validations of a registry may provide new insights into the quality of the data that may justify updates of existing reviews

As a consequence, there is a constant need to stay updated on the most useful and accurate reviews of commonly used Danish registries and their use for pharmacoepidemiological research.

Aims

With this position paper, the Danish Society for Pharmacoepidemiology aims to provide a common platform where researchers can access a recommended list of Danish registry reviews.

Recommendations

Below you will find list of recommended reviews of the main Danish administrative and medical registries along with a timeline for their initiation.

Notifications of new reviews are welcome at morten.schmidt@clin.au.dk.

On behalf of the board for the Danish Society for Pharmacoepidemiology

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Administrative registries

The Danish National Prescription Registry / Den National Receptdatabase

→ Kildemoes HW, Sørensen H, Hallas J. The Danish National Prescription Registry. *Scand J Public Health* 2011;**39**:38–41.

The Danish National Database of Reimbursed Prescriptions

→ Johannesdottir SA, Horvath-Puho E, Ehrenstein V, *et al.* Existing data sources for clinical epidemiology: The Danish National Database of Reimbursed Prescriptions. *Clin Epidemiol* 2012;**4**:303–13.

Aarhus University Prescription Database / Aarhus Universitets Receptdatabase

→ Ehrenstein V, Antonsen S, Pedersen L. Existing data sources for clinical epidemiology: Aarhus University Prescription Database. *Clin Epidemiol* 2010;**2**:273–9.

Medstat.dk, Kvartalstal medicin, Kvartalstal medicin / The Danish online Drug use statistics

→ Schmidt M, Hallas J, Laursen M, Friis S. Data Resource Profile: The Danish online drug use statistics (MEDSTAT). *Int J Epidemiol*. In press

The Civil Registration System / CPR-registret

→ Schmidt M, Pedersen L, Sørensen HT. The Danish Civil Registration System as a tool in epidemiology. *Eur J Epidemiol* 2014;**29**:541–9.

The Danish National Patient Registry / Landspatientregistret

→ Schmidt M, Schmidt SAJ, Sandegaard JL, *et al.* The Danish National Patient Registry: a review of content, data quality, and research potential. *Clin Epidemiol* 2015;**7**:449–90.

The Danish Psychiatric Central Research Register / Det Centrale psykiatregister

→ Mors O, Perto GP, Mortensen PB. The Danish Psychiatric Central Research Register. *Scand J Public Health* 2011;**39**:54–7.

The Danish Register of Causes of Death / Dødsårsagsregistret

→ Helweg-Larsen K. The Danish Register of Causes of Death. *Scand J Public Health* 2011;**39**:26–9.

Income Statistics Register / Indkomstregistret

→ Baadsgaard M, Quitzau J. Danish registers on personal income and transfer payments. *Scand J Public Health* 2011;**39**:103–5.

The clinical laboratory information system / Laboratoriedatabasen

→ Grann AF, Erichsen R, Nielsen AG, *et al.* Existing data sources for clinical epidemiology: The clinical laboratory information system (LABKA) research database at Aarhus University, Denmark. *Clin Epidemiol* 2011;**3**:133–8.

Danish education registers / Uddannelsesregistre

→ Jensen VM, Rasmussen AW. Danish education registers. *Scand J Public Health* 2011;**39**:91–4.

The Building and Housing Register

→ Christensen G. The Building and Housing Register. *Scand J Public Health* 2011;**39**:106–8.

Income Statistics Register / Indkomstregistret

→ Baadsgaard M, Quitzau J. Danish registers on personal income and transfer payments. *Scand J Public Health* 2011;**39**:103–5

Classic medical registries

The Danish Cancer Registry / Cancerregistret

→ Gjerstorff ML. The Danish Cancer Registry. *Scand J Public Health* 2011;**39**:42–5.

The Western Denmark Heart Registry / Vestdansk Hjertedatabase

→ Schmidt M, Maeng M, Jakobsen C-J, *et al.* Existing data sources for clinical epidemiology: The Western Denmark Heart Registry. *Clin Epidemiol* 2010;**2**:137–44.

Western Denmark Cardiac Computed Tomography Registry / Vestdansk hjerte-CT database

→ Nielsen LH, Nørgaard BL, Tilsted HH, *et al.* The Western Denmark Cardiac Computed Tomography Registry: a review and validation study. *Clin Epidemiol* 2015;**7**:53–64.

Medical Birth Registry / Det Medicinske Fødselsregister

→ Nguyen-Nielsen M, Svensson E, Vogel, *et al.* Existing data sources for clinical epidemiology: Danish registries for studies of medical genetic diseases. *Clin Epidemiol* 2013;**249**.

Timeline for initiation of Danish registries

1870: Danish Twin Registry	
1925: Danish Registry of Cerebral Paresis	<i>Clin Epidemiol</i> 2015; 7 :449–90
1937: Registry of Tuberculosis	
1943: Danish Cancer Registry; Registry of Causes of Death	
1949: Danish Multiple Sclerosis Registry; Military Conscription Registry	
1968: Danish Civil Registration System; Cytogenetic Register	
1969: Central Psychiatric Registry	
1970: Income Statistics Register; Suicide registry	
1973: Medical Birth Registry; Register of Legally Induced Abortions	
1974: Student Register	
1976: Danish Breast Cancer Cooperative Group Database; Employment Classification Module	
1977: Danish National Patient Registry	
1979: Central Register of Labour Market Statistics; Aarhus Sarcoma Registry	
1980: Integrated Database for Labour Market Research; Fertility Database	
1981: Population's Education Register; Building and Housing Register	
1982: Danish Pacemaker and ICD Registry	
1983: Danish Register of Congenital Malformations	
1985: Danish Registry of Childhood Cancer; Melanoma Database	
1989: Regional Prescription Databases; Register for Suicide Attempts; National Vascular Registry	
1990: Nephrology Registry; National Health Service Register; Laboratory Database	
1994: Danish Colorectal Cancer Database; In Vitro Fertilisation Register	
1995: Danish National Prescription Database; Hip Arthroplasty Registry	
1996: Danish Multiple Sclerosis Treatment Registry	
1997: Danish Transfusion Database; Pathology Database; Knee Arthroplasty Registry	
1999: Western Denmark Heart Registry	
2000: Danish Heart Registry; Acute Leukemia Registry; Rheumatology Database; Lung Cancer; Bladder Cancer Database	
2002: Danish Database for Hepatitis B and C	
2003: Danish Stroke Registry; Heart Failure Registry; Schizophrenia Database; Lymphoma Database	
2004: Danish Database of Reimbursed Prescriptions; Hysterectomy Database; Anesthesia Database; Geriatrics Database	
2005: Danish Cruciate Ligament Registry; Gynecological Cancer Database; Myelomatosis Database	
2006: Danish National Diabetes Registry; Shoulder Alloplasty Registry; Pancreatic Cancer Database	
2007: Danish Intensive Care Database; GP Database; Non-Melanoma Skin Cancer Database; COPD Database	
2008: Danish Cervical Cancer and Mammography Screening Databases; Fetal Medical Database	
2009: Danish Sarcoma Database; Children's Cancer Database; Neuro-Oncology Database	
2010: Danish Prostate Cancer Database; Renal Cancer Database; Sleep Apnea Database; Organ Donation Database	
2011: Danish Penile Cancer Database; Depression Database; ADHD Database; Ocular Oncology Database	
2013: Danish Testicular Cancer Database; Heart Rehabilitation Database; Liver and Bile Duct Cancer Database	
2014: Danish Colorectal Cancer Screening Database	