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 However, reviews may over time become outdated for several reasons: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 registries, classic medical registries, and clinical quality databases 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

Morten Schmidt, MD, PhD

(Updated January, 2018)
### Timeline for Initiation of Danish Registries

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

The Danish National Prescription Registry / Den National Receptdatabase

The Danish National Database of Reimbursed Prescriptions

Aarhus University Prescription Database / Aarhus Universitets Receptdatabase

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

The Civil Registration System / CPR-registret

The Danish National Patient Registry / Landspatientregistret

The Danish Psychiatric Central Research Register / Det Centrale psykiatris register

The Danish Register of Causes of Death / Dødsårsagsregistret

Income Statistics Register / Indkomstregistret

The clinical laboratory information system / Laboratoriedatabasen

Danish education registers / Uddannelsesregistre

The Building and Housing Register

Income Statistics Register / Indkomstregistret
Classic medical registries

The Danish Cancer Registry / Cancerregistret

The Western Denmark Heart Registry / Vestdansk Hjertedatabase

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

Medical Birth Registry / Det Medicinske Fødselsregister

Danish clinical quality databases

The Danish Adult Diabetes Registry

The Danish Anaesthesia Database
→ Antonsen K, Rosenstock CV, Lundstrøm LH. *Clin Epidemiol* 2016; 8:435-438

The Danish Bladder Cancer Database

Danish Breast Cancer Cooperative Group

The Danish Cardiac Rehabilitation Database

The Danish Cerebral Palsy Follow-up Program

Danish Childhood Cancer Registry
Danish Colorectal Cancer Group Database

The Danish database for acute and emergency hospital contacts

The Danish Depression Database

The Danish Fetal Medicine Database
→ Ekelund CK, Kopp TI, Tabor A, Petersen OB. Clin Epidemiol 2016; 8:479-483

Danish Gynecological Cancer Database

The Danish Head and Neck Cancer database

The Danish Heart Failure Registry

The Danish Heart Registry

The Danish Hip Arthroplasty Register
→ Gundtoft PH, Varnum C, Pedersen AB, Overgaard S. Clin Epidemiol 2016; 8:509-514

The Danish Hysterectomy and Hysteroscopy Database
→ Topsoee MF, Ibfelt EH, Settnes A. Clin Epidemiol 2016; 8:515-520

The Danish Inguinal Hernia Database
→ Friis-Andersen H, Bisgaard T. Clin Epidemiol 2016; 8:521-524

The Danish Intensive Care Database. Christiansen CF, Møller MH, Nielsen H, Christensen S. Clin Epidemiol 2016; 8:525-530

The Danish Knee Ligament Reconstruction Registry
→ Rahr-Wagner L, Lind M. Clin Epidemiol 2016; 8:531-535

The Danish Lung Cancer Registry
→ Jakobsen E, Rasmussen TR. Clin Epidemiol 2016; 8:537-541

The Danish Melanoma Database

The Danish Multiple Sclerosis Treatment Register
→ Magyari M, Koch-Henriksen N, Sørensen PS. Clin Epidemiol 2016; 8:549-552
The Danish National Acute Leukemia Registry

→ Østgård LSG, Nørgaard JM, Raaschou-Jensen KK, Pedersen RS, Rønnov-Jessen D, Pedersen PT, Dufva IH, Marcher CW, Nielsen OJ, Severinsen MT, Friis LS. Clin Epidemiol 2016; 8:553-560

The Danish National Chronic Lymphocytic Leukemia Registry


The Danish National Chronic Myeloid Neoplasia Registry


The Danish National Database for Obstructive Sleep Apnea


Danish National Lymphoma Registry


The Danish National Multiple Myeloma Registry


The Danish National Penile Cancer Quality database


The Danish National Quality Database for Births

→ Andersson CB, Flems C, Kesmodel US. Clin Epidemiol 2016; 8:595-599

The Danish National Register for Asthma


The Danish National Registry for Biological Therapy in Inflammatory Bowel Disease


The Danish Registry of Diabetic Retinopathy


The Danish Nephrology Registry

→ Heaf J. Clin Epidemiol 2016; 8:621-627

The Danish Neuro-Oncology Registry

→ Hansen S. Clin Epidemiol 2016; 8:629-632

The Danish Nonmelanoma Skin Cancer Dermatology Database

Danish Palliative Care Database
→ Groenvold M, Adsersen M, Hansen MB. Clin Epidemiol 2016; 8:637-643

Danish Pancreatic Cancer Database
→ Fristrup C, Detlefsen S, Hansen CP, Ladekarl M. Clin Epidemiol 2016; 8:645-648

The Danish Prostate Cancer Database

The Danish Quality Database for Cervical Cancer Screening
→ Rygaard C. Clin Epidemiol 2016; 8:655-660

Danish Quality Database for Mammography Screening
→ Mikkelsen EM, Njor SH, Vejborg I. Clin Epidemiol 2016; 8:661-666

The Danish quality database for prehospital emergency medical services
→ Frischknecht Christensen E, Berlac PA, Nielsen H, Christiansen CF. Clin Epidemiol 2016; 8:667-671

Danish Register of chronic obstructive pulmonary disease

Danish Registry of Childhood and Adolescent Diabetes

The Danish Sarcoma Database
→ Jorgensen PH, Lausten GS, Pedersen AB. Clin Epidemiol 2016; 8:685-690

The Danish Schizophrenia Registry

The Danish Stroke Registry
→ Johnsen SP, Ingeman A, Hunborg HH, Schaarup SZ, Gyllenborg J. Clin Epidemiol 2016; 8:697-702

The Danish Testicular Cancer database

Danish Urogynaecological Database
→ Hansen UD, Gradel KO, Larsen MD. Clin Epidemiol 2016; 8:709-712

The Danish Vascular Registry, Karbase
→ Eldrup N, Cerqueira C, de la Motte L, Rathenborg LK, Hansen AK. Clin Epidemiol 2016; 8:713-718

The Danish Ventral Hernia Database – a valuable tool for quality assessment and research
→ Helgstrand F, Jorgensen LN. Clin Epidemiol 2016; 8:719-723
The database of the Danish Renal Cancer Group

National Database of Geriatrics
→ Kannegaard PN, Vinding KL, Hare-Bruun H. Clin Epidemiol 2016; 8:731-735

The Danish nationwide clinical register for patients with rheumatoid arthritis: DANBIO
→ Ibfeldt EH, Jensen DV, Hetland ML. Clin Epidemiol 2016; 8:737-742