

Register Space

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Intro

 Your interest in register based studies – and main challange



Register space

- Open to all researchers at SDCA interested in register based research
- From start 2024: monthly 1 hour meetings discussing overall and specific challanges in projects using register based data
- Establishing working groups on specific tasks of common interest (e.g. how to determine SES in available registers)



DARTER Project:

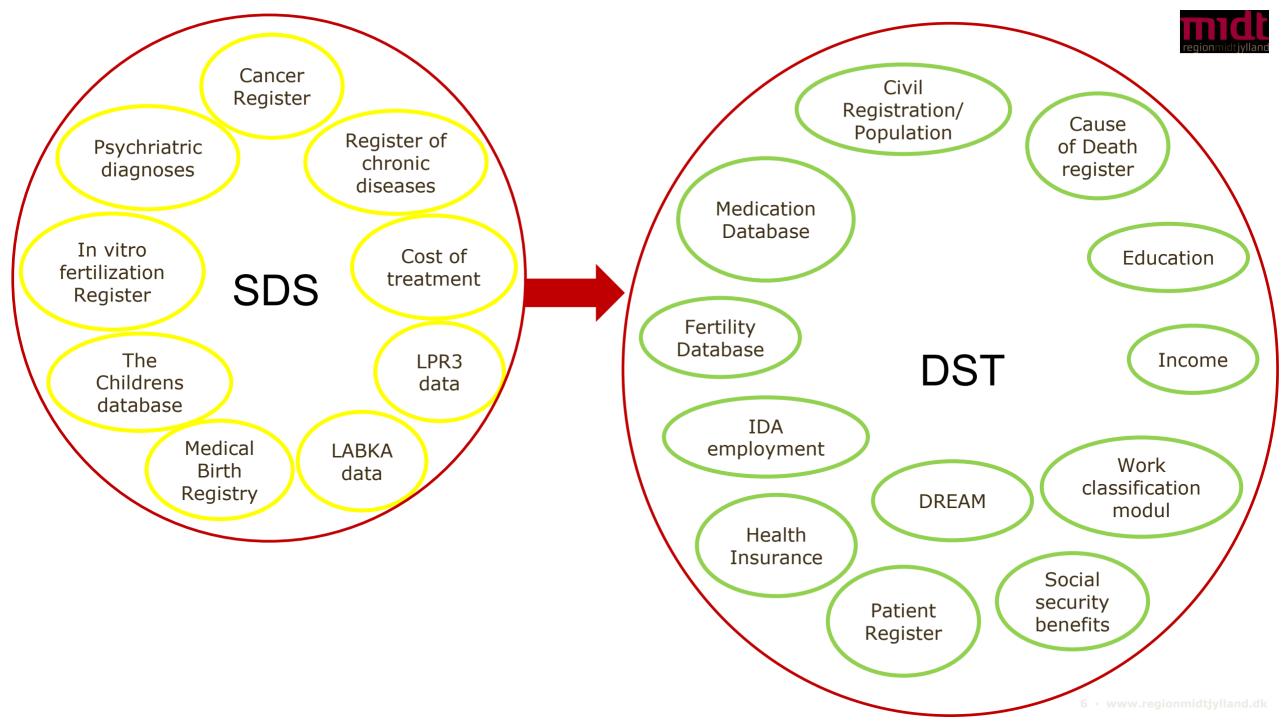
 Identify the contributions of family and early life determinants on the development, management, economics, and care of diabetes and the diseases that may arise following a diabetes diagnosis, under a life-course framework.



Study population

From 1970 onwards:

- All individuals born or who migrated into Denmark
- All family members of the index individuals





Ongoing/planned projects:

- Childhood obesity; early life determinant of diabetes (Helene Kirkegaard)
- Diabetes mortality and socioeconomic status (Henrik Støvring)
- Family history of autoimmune diseases and risk of type 1 diabetes (Ieva Strele)
- Time trends in medical treatment and prognosis in patients with diabetes and cardiovascular disease (Lasse Berg)
- The utility of repeated risk factor measurements and treatment trajectories in incident cardiovascular disease risk prediction for people with type 2 diabetes (Peter Harms)
- Feasibility and outcomes of flexible multidisciplinary teams for persons with diabetes and comorbidity (Charlotte Gjørup Pedersen)
- Childhood obesity before, during and after the COVIS 19 pandemic (Sigrid Bjerge)
- Diabetes and infertility (Gunnar Toft)
- Family based studies on diabetes development (Omar Silverman)
- Cost of diabetes (Eskild Fredslund)



Possible to add new subproject fitting with overall aim and available data?

Read more about it here:

https://steno-aarhus.github.io/darter-project/

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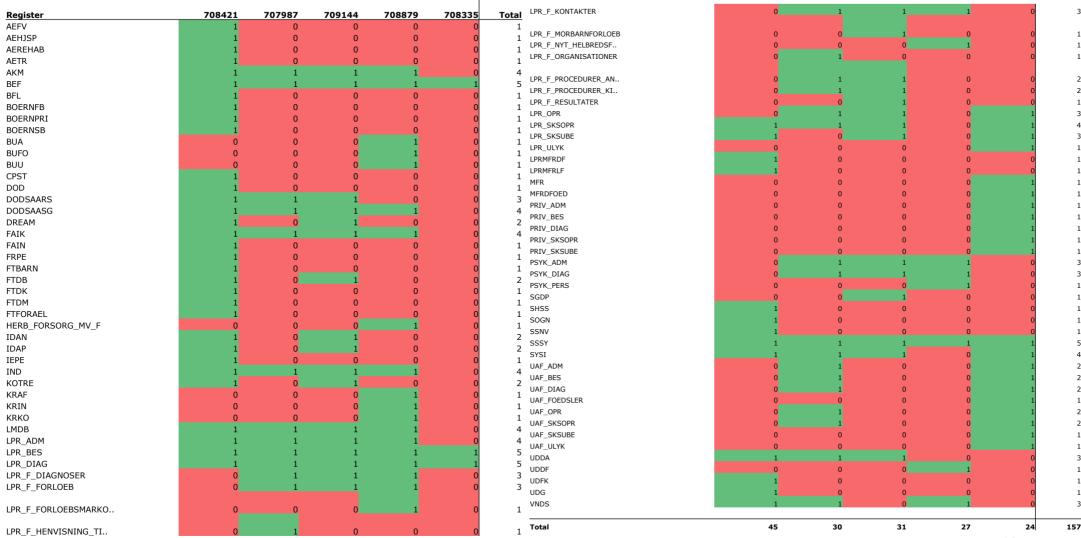


SDCA project database

- Due to need for projects not fitting overall aim and need for adding additional/own data
- Will containg a core set of data overlapping in min. 3 existing projects at SDCA



Overlap between SDCA registers





Existing SDCA projects at DST

Projektnr Titel	
707987	Diabetes i Region Midtjylland
708235	Short- and long-term effects of maternal type 2 diabetes in pregnancy on mother and child
708325	Pregnancy following bariatric surgery – consequences for offspring and mothers
708363	Short- and long-term effects of maternal type 2 diabetes in pregnancy on mother and child - kontrolpopulationsdannelse
708421	Interplay between diabetes and intergenerational transmission of health determinants over the life course
708879	Retspsykiatriske patienter i Danmark
709144	Effects of pregestational type 1 diabetes on pregnancy, delivery and neonatal outcomes

Any projects we have missed?



Plan for project database

- Up and running before summer
- Steering group
- Approval of projects internal then approval at DST is also needed before access
- Internal datamanager will prepare data
- Only access to specified (necessary) data



Next Register space meetings

- How to define diabetes in registers
- how to define obesity
- Family structure (linking generations BSS visit)
- Defining socioeconomic status (late spring wait for KEA)
- Prediction models using register based data /AI
- Time trend/ trajectory analyses
- immigration emmigration