

DOC*X

Danish
Occupational
Cohort

DOC*X – A Nationwide Occupational Cohort

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BACKGROUND

DOC*X is a registerbased nationwide Danish Cohort, which includes all employed Danish residents since 1970 and onwards. It is based on register information from Statistics Denmark, The Labour Market Supplementary Pension Fund, and the National Health Data Agency.

The cohort includes historical and time specific data on occupational exposures to enable current and future studies of occupational exposures, health and labour market attachment.

In the DOC*X database, occupational exposure is based on Job Exposure Matrices (JEMs), which are constructed and implemented as part of the cohort. Figure 1 shows the DOC*X database construction and research plan, with both the database, specific JEMs and case-studies. The following exposures have high priority:

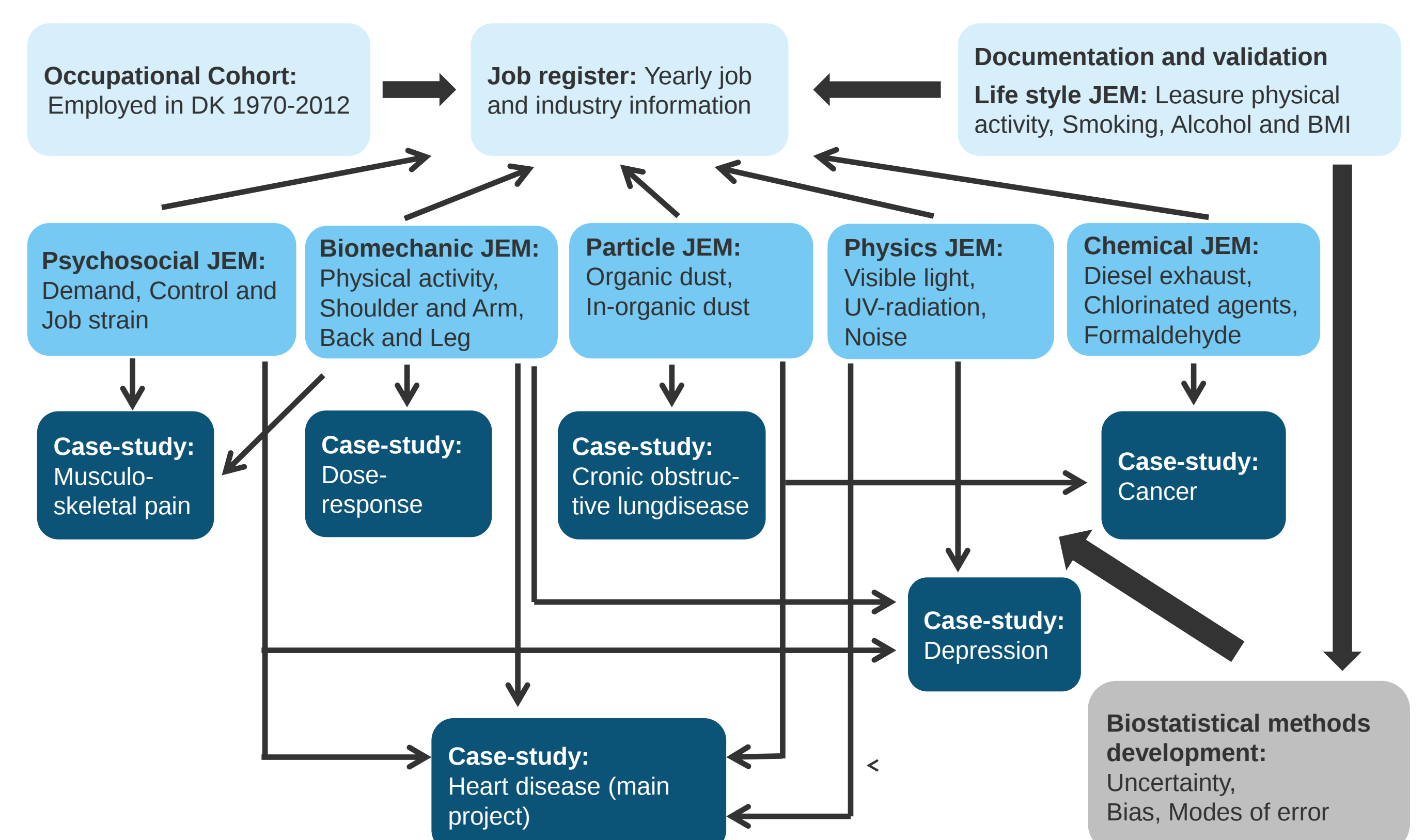
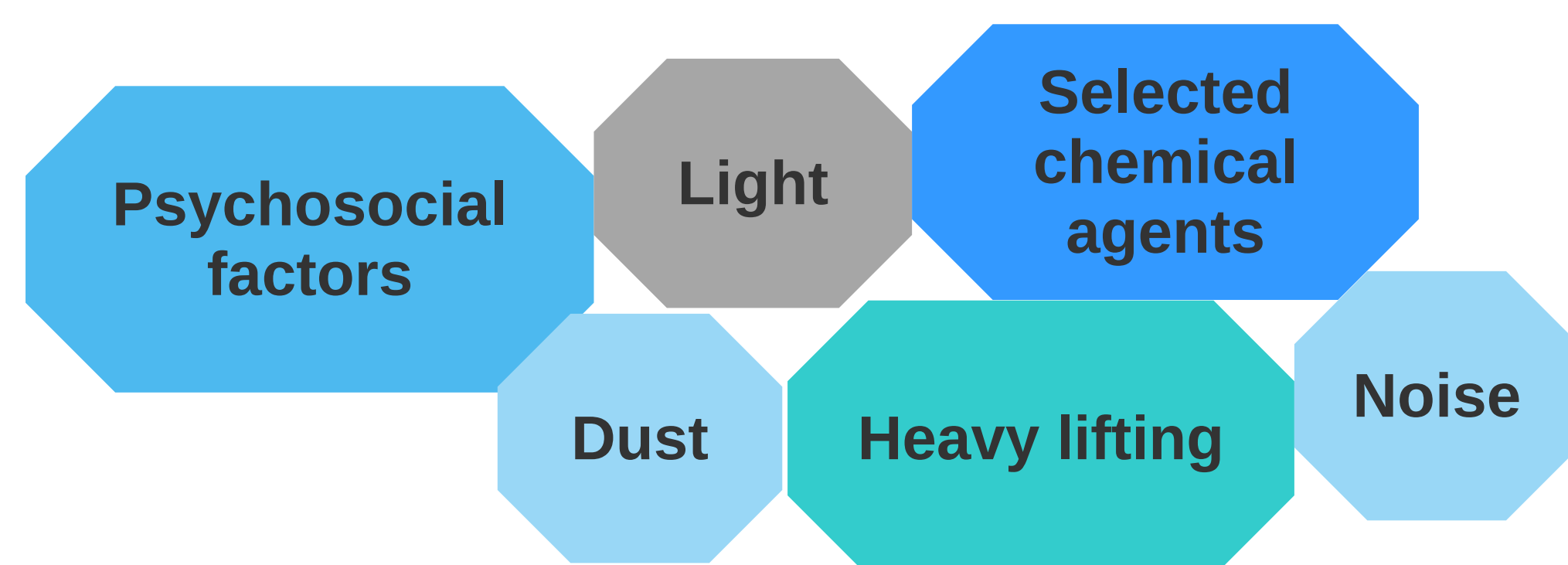


Figure 1: The DOC*X database construction and research plan. Cohort (gray), JEMs (light blue), and case-studies (dark blue) in DOC*X

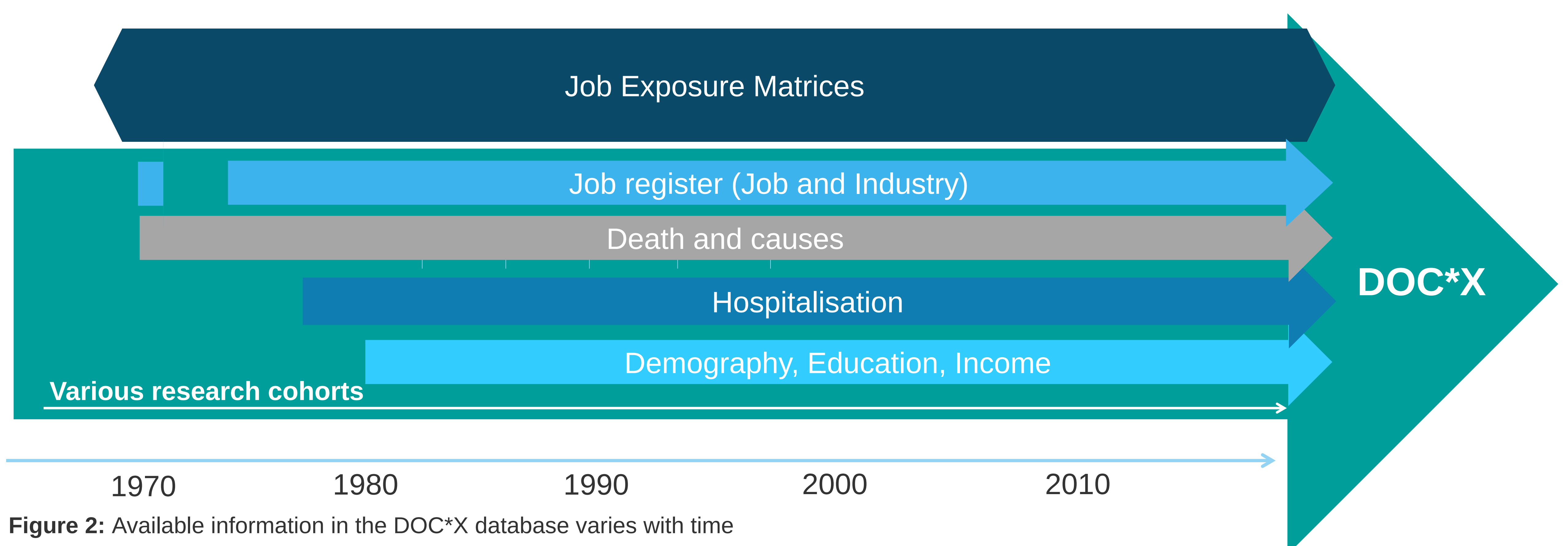


Figure 2: Available information in the DOC*X database varies with time

DATA

In addition to the occupational data and JEMs, the DOC*X database contains individual level linked data on:

- Migration and Death, including Causes of death
- Place of living, Family structure and Retirement
- Education and Income
- Comprehensive hospitalisation data from 1977 and onwards
- Various data on other health care services

Furthermore, a number of large Danish research cohorts with both survey and biological information are already linked to the DOC*X database.

The use of unique civil registration identifiers across databases and research cohorts ensures that further data can be included in the DOC*X database and linked on an individual level as needed.

OPEN RESEARCH RESSOURCE – ACCESS TO DATA

DOC*X is already cooperating with external researchers from both Denmark, the EU and the US, in order to exploit the unique possibilities offered by more than 40 years of coherent occupational history and individual level linked health data.

DOC*X aims to be an open research ressource, which invites other researchers to either cooperation or direct applications on access to data.

Application for access to data and much more information are available at the project website:

DOC-X.dk

Projects need to be approved by both the DOC*X coordination committee, and Statistics Denmark as data owner.