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| Supplementary Digital Content 1: Data sources used in study. |
| Name | Description |
| Danish Colorectal Cancer Group Database | Data on patients above the 18 years diagnosed with colorectal cancer in Denmark are routinely registered in this database since 2001. Data completeness is high exceeding 95%. Data on preoperative demographics, intraoperative treatment, postoperative recovery and pathology are registered by surgeon, radiologists, pathologists and oncologists involved in the treatment of specific patients. The registry is linked to de Danish National Patient Registry to include a calculation of Charlson Comorbidity Index based on historic diagnoses codes.  |
| Danish Anesthesia Database | Established in 2004 and contains nationwide anesthesia data from Danish anesthesia providers. Patients undergoing sedation, general, local or combined anesthesia in private and public clinics and hospitals are included. Data on lifestyle factors, comorbidity, height, weight, type, duration and complications of anesthesia are entered, and national coverage of data is increasing and is estimated to be 60 to 70%.  |
| The Danish National Patient Registry | Since 1977, this population-based registry has collected data from all Danish hospitals, and it covers hospital and health services in Denmark. Admission and discharge dates, diagnoses, examinations and procedures performed are included, and International Classification of Diseases (ICD) is used for classification of diagnoses (ICD-8 until 1993 and ICD-10 thereafter).  |
| The Danish National Pathology Registry | Included in this registry are detailed nationwide records of all pathology specimen analyzed in Denmark since 1997. All pathology departments record standard data using a uniform registration guideline, Systemized Nomenclature of Medicine (SNOMED – Danish version). All new data are registered electronically. The database is updated immediately after pathology analysis. |
| The Danish Cancer Registry | Incidence data of malignant neoplasms in Denmark since 1943 are included. The database contains patient and tumor characteristics.  |
| Danish National Prescription Database | Data on prescriptions filled at Danish pharmacies since 1995 are included. Contains patient level data on drug name, pack size and timing of prescription filling.  |
| Danish Civil Registration System | All citizens and residents in Denmark receive a unique central personal registration identification number (CPR number) from the Danish Civil Registration System. It contains data on immigration, emigration, sex, date of birth, and exact date of death and is updated within few days of any change and is considered to be practically complete. Most Danish registers use the CPR number making it possible to link data between registries. |