

## CV for Bendix Carstensen

Senior Statistician, Steno Diabetes Center Copenhagen, Borgmester Ib Juuls Vej 83, DK-2730 Herlev  
tel: +45 30 91 29 61

email: [bcar0029@regionh.dk](mailto:bcar0029@regionh.dk), website: <http://BendixCarstensen.com>

Cand. scient. (MSc) in Mathematical Statistics, University of Copenhagen: January 1983

## Research areas

1. Application of registers in surveillance of public health. In my current job this has primarily focused on diabetes on the last 25 years, but I have previously been working in cancer epidemiology.
2. I am the maintainer (and a contributor to) the R-package `Epi` for statistical and demographic analysis in epidemiology, <http://BendixCarstensen.com/Epi/>

## Teaching

I have been teaching at international courses several times per year for the last 30 years, mostly in the areas of demography, epidemiology and biostatistics.

## Selected publications

A complete publication list is in my full CV: <http://BendixCarstensen.com/cv.pdf>

- [1] S F Sajjadi, J W Sacre, B Carstensen, et al. Evaluating the incidence of complications among people with diabetes according to age of onset: Findings from the UK biobank. *Diabet. Med.*, page e15349, May 2024.
- [2] S H Scheuer, G S Andersen, B Carstensen, et al. Trends in incidence of hospitalization for hypoglycemia and diabetic ketoacidosis in individuals with type 1 or type 2 diabetes with and without severe mental illness in denmark from 1996 to 2020: A nationwide study. *Diabetes Care*, 47(6):1065–1073, June 2024.
- [3] J. I. Morton, B. Carstensen, S. P. McDonald, et al. Trends in the Incidence of End-Stage Kidney Disease in Type 1 and Type 2 Diabetes in Australia, 2010-2019. *Am J Kidney Dis*, Jul 2023.
- [4] E. B. Stougaard, H. Amadid, E. Søndergaard, et al. Time Trends in the Incidence of Diabetic Ketoacidosis Leading to Hospital Admission Among Adults With Type 1 Diabetes-A Nationwide Danish Register Study. *Diabetes Care*, Jul 2023.
- [5] S. C. Bain, B. Carstensen, L. Hyveled, et al. Glucagon-like peptide-1 receptor agonist use is associated with lower blood ferritin levels in people with type 2 diabetes and hemochromatosis: a nationwide register-based study. *BMJ Open Diabetes Res Care*, 11(3), Jun 2023.
- [6] D. Tomic, J. I. Morton, L. Chen, et al. Lifetime risk, life expectancy, and years of life lost to type 2 diabetes in 23 high-income jurisdictions: a multinational, population-based study. *Lancet Diabetes Endocrinol*, 10(11):795–803, 11 2022.
- [7] J. Svensson, E. H. Ibfelt, B. Carstensen, et al. Age-period-cohort modelling of type 1 diabetes incidence rates among children included in the EURODIAB 25-year follow-up study. *Acta Diabetol*, Oct 2022.

- [8] S. H. Scheuer, V. Kosjerina, N. Lindekilde, et al. Severe Mental Illness and the Risk of Diabetes Complications: A Nationwide, Register-based Cohort Study. *J Clin Endocrinol Metab*, 107(8):e3504–e3514, 07 2022.
- [9] J. I. Morton, P. A. Lazzarini, K. R. Polkinghorne, et al. The association of attained age, age at diagnosis, and duration of type 2 diabetes with the long-term risk for major diabetes-related complications. *Diabetes Res Clin Pract*, 190:110022, Aug 2022.
- [10] D. J. Magliano, L. Chen, B. Carstensen, et al. Trends in all-cause mortality among people with diagnosed diabetes in high-income settings: a multicountry analysis of aggregate data. *Lancet Diabetes Endocrinol*, 10(2):112–119, 02 2022.
- [11] D. J. Magliano, L. Chen, R. M. Islam, et al. Trends in the incidence of diagnosed diabetes: a multicountry analysis of aggregate data from 22 million diagnoses in high-income and middle-income settings. *Lancet Diabetes Endocrinol*, 9(4):203–211, 04 2021.
- [12] B. Carstensen, P. F. Rønn, and M. E. Jørgensen. Prevalence, incidence and mortality of type 1 and type 2 diabetes in Denmark 1996-2016. *BMJ Open Diabetes Res Care*, 8, 2020.
- [13] B. Carstensen, P. F. Rønn, and M. E. Jørgensen. Components of diabetes prevalence in Denmark 1996-2016 and future trends until 2030. *BMJ Open Diabetes Res Care*, 8, 2020.
- [14] B. Carstensen, P. F. Rønn, and M. E. Jørgensen. Lifetime risk and years lost to type 1 and type 2 diabetes in Denmark, 1996–2016. *BMJ Open Diabetes Res Care*, 9, 2021.
- [15] L. Huo, D. J. Magliano, F. Ranciere, et al. Impact of age at diagnosis and duration of type 2 diabetes on mortality in Australia 1997-2011. *Diabetologia*, Feb 2018.
- [16] K. Ishtiak-Ahmed, B. Carstensen, U. Pedersen-Bjergaard, and M. E. Jørgensen. Incidence Trends and Predictors of Hospitalization for Hypoglycemia in 17,230 Adult Patients With Type 1 Diabetes: A Danish Register Linkage Cohort Study. *Diabetes Care*, 40(2):226–232, Feb 2017.
- [17] B. Carstensen, S. H. Read, S. Friis, et al. Cancer incidence in persons with type 1 diabetes: a five-country study of 9,000 cancers in type 1 diabetic individuals. *Diabetologia*, Feb 2016.
- [18] A. Peeters, E. Gearon, K. Backholer, and B. Carstensen. Trends in the skewness of the body mass index distribution among urban Australian adults, 1980 to 2007. *Ann Epidemiol*, 25(1):26–33, Jan 2015.
- [19] B. Carstensen, M. E. Jørgensen, and S. Friis. The epidemiology of diabetes and cancer. *Curr. Diab. Rep.*, 14(10):535, Oct 2014.
- [20] S. Iacobelli and B. Carstensen. Multiple time scales in multi-state models. *Stat Med*, 32(30):5315–5327, Dec 2013.
- [21] B. Carstensen, D. R. Witte, and S. Friis. Cancer occurrence in Danish diabetic patients: duration and insulin effects. *Diabetologia*, 55(4):948–958, Apr 2012.
- [22] Bendix Carstensen and Martyn Plummer. Using Lexis objects for multi-state models in R. *Journal of Statistical Software*, 38(6):1–18, 1 2011.
- [23] B. Carstensen. Age-Period-Cohort models for the Lexis diagram. *Statistics in Medicine*, 26(15):3018–3045, July 2007.