Type 2 diabetes, its pharmacological treatment and associations with cancer

(Pharmaco)epidemiological studies based on data from the PHARMO DIAMANT cohort

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This thesis by Jetty A. Overbeek provides an evaluation of the associations between type 2 diabetes (T2D) and cancer. The first part focuses on the prevalence and treatment of patients with T2D. The second part discusses the associations between T2D and/or blood glucose lowering drugs and characteristics of site-specific cancer. The PHARMO DIAbetes MANagement and Treatment (DIAMANT) cohort was created to perform these (pharmaco)epidemiological studies.

The suggested associations between T2D and/or blood glucose lowering drugs and characteristics of site-specific cancer are complex and prone to bias. Many methodological challenges are present and require pharmacoepidemiological reasoning to draw correct conclusions from studies in a real-world setting.