

Bio sketch

Dr. Vaartjes is an Associate Professor at the University Medical Center Utrecht, The Netherlands. She is always searching for the potential of real world data for cardiovascular disease (CVD) research and studied incidence and prognosis of CVD in terms of morbidity and mortality using linkage of data from health insurance companies, GP registries, disease registers, cause of death registries, hospital discharge registries, electronic health records and cohorts in various countries. She advises researchers from the Netherlands and abroad on the use of registry data and is collaborating with researchers in various disciplines and completing studies with publications in Cardiovascular, Neurology, Environmental health and Public Health domain.

In the last years she became involved in Exposome research and as such she enriched cardiovascular data with environmental data aiming to further understand the role of environment in the development of CVD, in particular in migrants and SES groups. She is project leader of the Global Geo Health Data Center (www.gghdc.nl) and WP leader in the EU ITN project SURREAL (systems approach of urban environments and health). She is member of the air pollution expert group of the World Heart Federation, PI of U-health prediction and involved in the coordination of Survey of Risk Factors (www.surfriskfactor-audit.com), a global audit on secondary prevention in CHD patients that is supported by ESC.

Publications

1. Kuijpers JM et al Risk of coronary artery disease in adults with congenital heart disease: A comparison with the general population. *Int J Cardiol.* 2020 Apr 1;304:39-42.
2. Uijl A et al. A registry-based algorithm to predict ejection fraction in patients with heart failure. *ESC Heart Fail.* 2020 Jun 17
3. Ekker MS et al. Association of Stroke Among Adults Aged 18 to 49 Years With Long-term Mortality. *JAMA.* 2019 Jun 4;321(21):2113-2123
4. Buddeke J et al. Comorbidity in patients with cardiovascular disease in primary care: a cohort study with routine healthcare data. *Br J Gen Pract.* 2019 Jun;69(683):e398-e406
5. Hwong WY et al. Sex differences in stroke metrics among Southeast Asian countries: Results from the Global Burden of Disease Study 2015. *Int J Stroke.* 2019 Oct;14(8):826-834.
6. Poelman M et al. Relations between the residential fast-food environment and the individual risk of cardiovascular diseases in The Netherlands: A nationwide follow-up study. *Eur J Prev Cardiol.* 2018 Sep;25(13):1397-1405.
7. Uijl A et al. Risk for Heart Failure: The Opportunity for Prevention With the American Heart Association's Life's Simple 7. *JACC Heart Fail.* 2019 Aug;7(8):637-647.
8. Ekker MS et al. Stroke incidence in young adults according to age, subtype, sex, and time trends. *Neurology.* 2019 May 21;92(21):e2444-e2454.
9. Schmitz O et al. High resolution annual average air pollution concentration maps for the Netherlands. *Sci Data.* 2019 Mar 12;6:190035.
10. van Steen Y et al. Sex differences in mortality after heat waves: are elderly women at higher risk? *Int Arch Occup Environ Health.* 2019 Jan;92(1):37-48.