

Curriculum Vitae

My major scientific contributions are in the areas of (1) designing, running and evaluating (often large-scale) multidisciplinary population-based randomized controlled screening trials to establish the efficacy of screening, (2) evaluating active (inter-)national screening programs and clinical tests to establish effectiveness and (3) guiding public health policies on screening and primary prevention using predictions of favourable and unfavourable effects and the cost of interventions, based on micro-simulation modelling of the natural history of disease, risk-prediction modelling and cost-effectiveness and cost-utility analyses. I had a shared responsibility for designing the ERSPC trial on prostate cancer screening, which included establishing the screening interval, core age groups, power and monitoring plan (secretary Data Monitoring Committee), and set up and chaired the international committee charged with reviewing the primary outcome of the trial. I am PI of the NELSON lung cancer screening trial and designed the entire trial in all its facets (sole trial with different screening intervals). I was PI of the sole RCT on screening for language disorders in 11,000 toddlers, and am PI of the ROBINSCA trial through an Advanced Researcher Grant (2011), to assess the (cost-) effectiveness of screening for cardiovascular disease, and presently run the 4-in-the-lung-run trial (Horizon2020). We are further responsible for the monitoring and evaluation of the Dutch Breast, Cervical and Colorectal Cancer Screening Program, and presently have HORIZON2020-projects to evaluate breast, cervical and colorectal cancer screening in Europe (coordinator), and evaluate (and implement) vision and hearing screening in Europe (substitute coordinator). We are co-PI in 7 CISNET (NIH/NCI-funded) projects, aimed at modelling and predicting the impact of interventions in breast, prostate, lung, colorectal, esophageal, colorectal and cervical cancer.

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