

Early determinants of cardiovascular, metabolic and reproductive health (EDCaR)



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DIPP (Diabetes Prediction and Prevention study), STRIP (Special Turku coronary Risk factor Intervention study) and Boy Cohort are large prospective studies, where abundant data on nutrition, growth and development have been acquired in detail during last 2.5 decades; however, in slightly varying frequencies. This study protocol develops an integrated database and a model to investigate nutritional and metabolic data in three Finnish child cohorts. The aims are to study effects of early nutrition and environment on cardiovascular and metabolic morbidity, overweight and development of asthma and allergy, beta cell autoimmunity, as well as effects of early testicular function on metabolic morbidity and those of overweight on sex hormone production. All ongoing studies enable follow-up of thousands of subjects from birth to adulthood. By combining data from 3 cohort studies, with methodological expertise, we will achieve an exceptionally strong design for the proposed research.