

## Abstract

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Uppsala Longitudinal Study of Adult Men (<http://www.pubcare.uu.se/ULSAM/>) is an ongoing, longitudinal, epidemiological study which started with all 50 year-old men born 1920-24 in Uppsala County, Sweden (n=2322, participation rate 82 %). The original focus of the study was cardiovascular disease and diabetes mellitus. The men were investigated at the ages of 50, 60, 70, 77, 82 and 87 years. The metabolic characterization of the cohort has been extensive, particularly at age 70. Full screening and official registry data are available in the database and morbidity and mortality are continuously updated. At age 70, 1200 men underwent a euglycaemic insulin clamp, OGTT with insulin response, full lipoprotein and lipoprotein profile with fatty acid composition. Further examples of the extensive battery of analysis are adiponectin, insulin propeptides (age 50 and age 70), markers of inflammation and oxidative and albumin excretion. Eating habits have been monitored. For large subsamples biopsies of fat and skeletal muscle are available for analysis of fat and skeletal muscle fibre composition. DNA is available for the age 70 cohort and extensive genetic analysis has been undertaken. This cohort offers unique possibilities for further genetic and phenotypic analysis of the development of diabetes and its consequences.