

## Department of Epidemiology SSR Lazio/ASL Rome 1 (DEPLAZIO)



The department of Epidemiology of Regional Health Service of Lazio (DEPLAZIO) is an institution active for more than 40 years. The main objective of DEPLAZIO is to conduct epidemiological studies in the fields of environmental epidemiology and outcome research. The aim is to provide decision-makers with the best scientific knowledge available to plan interventions finalized at reducing the health effects of environmental exposures and to improve the quality and effectiveness of health care.

DEPLAZIO has always been involved in the study of the effects of atmospheric pollution and vehicular pollution on health, through the application of time series studies and the development of new methodologies of exposure assessment and of epidemiological survey. In particular, DEPLAZIO is involved in the implementation of a surveillance system for monitoring environmental impact on health (from air pollutants and meteorological parameters) and the production of guidelines for the interpretation of scientific research on air pollution.

Moreover, DEPLAZIO participated, as coordinator or partner, in many Italian projects (MISA, SIDRIA, EPIAR 1 and 2, PiccoliPiù, BEEP) and international projects (APHEA, HEAPSS, AIRGENE, MED-PARTICLES, ESCAPE, ELAPSE).

In the field of climate change, DEPLAZIO has been engaged for more than ten years in the study of the short-term effects of heat and other extreme weather events. On these topics DEPLAZIO has published several studies, has coordinated European projects (PHEWE, PHASE) and the national "Clima e Salute" group. DEPLAZIO is the referent of the Ministry of Health for the CCM project "National prevention plan for the health effects of heat" and collaborates with the Ministry of Health and the World Health Organization for the definition of guidelines.

In the field of noise pollution, DEPLAZIO conducted epidemiological studies on the effects of airport noise exposure on the health of the adult population residing in the municipalities of Ciampino and Marino. SERA (Study on the Effects of Airport Noise) and SAMBA (Health, Environment, Children) Studies.