

TDS-Exposure results

For information about project results and publications visit TDS-Exposure website: www.tds-exposure.eu

Join our training

Our objective is to promote knowledge and skills development across TDS-Exposure through training and education activities. This will include three Summer Schools and individual exchange visits. To participate, your organisation must be a TDS-Exposure beneficiary or willing to fund attendance.

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TDS-Exposure participants

26 beneficiaries from 19 European countries linked to international organisations including WHO, FAO and EFSA. TDS-Exposure is coordinated by Anses.



www.anses.fr



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Total Diet Study Exposure

Harmonisation across Europe

Total Diet Studies (TDS) are a public health tool used to determine population-wide exposure to both beneficial and harmful chemical substances in the diet, analysing foods as consumed.

TDS-Exposure aims to standardise measurement of dietary contaminants throughout Europe and create an EU-wide network of TDS.



TDS-Exposure received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration:
Grant Agreement no. 289108

Project objectives

- › Identify the information TDS can provide for exposure and risk assessment
- › Estimate dietary intake of contaminants in foods as consumed
- › Increase numbers of TDS in Europe
- › Harmonise the TDS methods
- › Develop a European TDS database for risk assessors and risk managers

Approach and methods

Standardisation of methods for:

- › Selection of chemical contaminants
- › Priority foods
- › Food sampling
- › Food preparation and analyses
- › Exposure assessment and modelling

TDS-Exposure will assess a variety of methods for sampling and preparing food, and define best practice.

Food selection will be based on national consumption data, prepared as consumed, and data from related foods pooled prior to analysis.

TDS-Exposure will provide training for those countries without total diet studies.

Information will be published to promote better use of dietary exposure data and establish a legacy of harmonised methods and science-based recommendations for public health.

Expected outcomes

- › Methods defining populations of interest (e.g. young children, older adults), and choosing contaminants and core foods
- › Standardised methods for food preparation and analysis
- › Pooled food composition and contamination database for related food groups, prepared and cooked as consumed
- › Homogenous approach estimating nutrient intakes and exposure to contaminants for each population of interest
- › A network of TDS centres, and implementation of new TDS in several countries and relevant training