

Dietary Intake and Exposure Task Force

ABOUT THE TASK FORCE

Assessing the exposure of individuals to the many different substances in food (whether they are intentionally or non-intentionally added), is a key component of any risk-benefit assessment for ensuring safe and beneficial food for the consumer. The Dietary Intake and Exposure Task Force reviews, evaluates and develops methods to estimate intake of energy, nutrients, food ingredients such as food additives, chemical contaminants, flavours, and other substances in the diet. By developing more realistic intake and exposure scenarios of what Europeans eat, the task force aims to improve the estimates of dietary intake and contribute to more relevant nutrition and health recommendations as well as safety assessments.



WHAT'S NEW?

NEW PUBLICATION on 'Assessing and Reporting Uncertainties in Dietary Exposure Analysis – Part II: Application of the uncertainty template to a practical example of exposure assessment' in Food and Chemical Toxicology is now available online.

THE NEW ACTIVITY PROPOSAL on 'Additive Occurrence and Consumer Loyalty' is currently working to organise a workshop.

ACTIVITIES

Evaluation of New Methods for Dietary Intake Assessment

Many new tools and applications are being developed to assess the diets of individuals and for research aims, such as mobile phone applications, wearable devices, digital cameras, sensors, etc. However these technologies for diet assessment vary widely in terms of sources and quality of data. This expert group is conducting a critical up-to-date

evaluation on the uses, limitations and applicability of these new tools, also taking into account their implementation in research and suitability for use with different populations and food categories. This project will provide guidelines and criteria for developers that will lead to an improved quality of dietary intake assessment tools.

Expert Group and Workshop on Additive Occurrence and Consumer Loyalty

In reality, many food products in a category where a substance is authorised will not contain the substance at all. Better exposure assessments need better data on frequency of consumption. This activity will conduct a workshop with a panel of experts specialised in data manipulation related to the presence of additives and other substances in food, in consumer

behaviour with regard to brand loyalty or in exposure modelling methodology. The expected outcome of this workshop is a follow up publication to review the available information on additive occurrence and brand loyalty and to consider potential methods for incorporating occurrence data into exposure models including a discussion on database maintenance, etc.

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MEMBER COMPANIES

- Ajinomoto
- Danone
- DSM
- Firmenich
- Givaudan International
- Nestlé
- PepsiCo International
- The Coca-Cola Company
- Ülker Bisküvi

ACTIVITIES

Identifying Practical Ways of Determining Uncertainties in Food Intake Assessments – **COMPLETED**

This activity described and classified the uncertainties present in various food intake and dietary exposure assessments to support more accurate methodologies. Based on the feedback received from a stakeholder workshop in February 2014, it was decided to prepare two publications. In the first manuscript, the uncertainties relating to dietary exposure analysis were

mapped in a tiered approach. This article was downloaded or viewed about 900 times in the first three months after its publication (94% downloads from the public sector), with a total of 3,808 views since it became available online. The second manuscript focused on the practical application, graphical representation and communication of uncertainties and is now available online.

RECENT PUBLICATIONS

D. Tennant, D. Bánáti, M. Kennedy, J. König, C. O'Mahony, S. Kettler. **Assessing and Reporting Uncertainties in Dietary Exposure Analysis – Part II: Application of the uncertainty template to a practical example of exposure assessment.** *Food and Chemical Toxicology* 2017;109:68-80.

J. Gandy, L. Le Bellego, J. König, A. Piekarz, G. Tavoularis and D. Tennant. **Recording of Fluid, Beverage and Water Intake at Population Level in Europe.** *British Journal of Nutrition* 2016;116:677-682.

S. Kettler, M. Kennedy, C. McNamara, R. Oberdörfer, C. O'Mahony, J. Schnabel, B. Smith, C. Sprong, R. Faludi and D. Tennant. **Assessing and Reporting Uncertainties in Dietary Exposure Analysis – Mapping of Uncertainties in a Tiered Approach.** *Food and Chemical Toxicology* 2015;82:79-95.

All publications available on our website: www.ilsieurope.eu.

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