

ALEVINT PLATFORM: A TOOL FOR THE ANALYSIS OF DIET

A research group from CIBER and ISCIII has developed a software to perform a standardized transformation of data from different Diet Questionnaires.

The Need

The existing platform tools for processing dietary data have some drawbacks: they are not applicable to data already collected in ongoing studies or that have already completed data collection; require participants to use the questionnaires from their platforms, which conditions the logistics of large epidemiological studies; and use English Food frequency questionnaires, hindering their use in Spanish studies, with different food cultures, as they can introduce measurement errors.

The Solution

The flexible design of the ALEVINT platform allows for the incorporation of data from pre-existing or future studies, carried out with different questionnaires, and performs a standardized transformation to obtain multiple calculated indicators with composition tables of choice (such as the Spanish ones), comparable between projects, allowing for joint analyses.

Innovative Aspects

- ALEVINT (a Spanish acronym for Food, Evaluation, Research and Translation) facilitates management of Ehealth data applied to epidemiological studies.
- ALEVINT obtains the energy (kcal) and nutrient (macronutrients, vitamins, minerals and alcohol) content of food consumption data collected through dietary questionnaires (Food Frequency Questionnaires, 24-Hour Memories, Records, etc.).
- The app also provides a standardized analysis of the diet (consumption and nutritional value by food groups), nutritional profiles (caloric and lipid) and indicators of compliance with the recommended intakes of energy and nutrients.

Stage of Development:

Ready to use.

The final version can be found here: <https://alevint.ciberisciii.es/alevint/>

Intellectual Property:

- Registered at Safe Creative.

Aims

Looking for a partner interested in a license and/or a collaboration agreement to develop and exploit this asset.

Contact details