



THE UNIVERSITY of TEXAS

HEALTH SCIENCE CENTER AT HOUSTON

Office of Technology Management

FOOD INTAKE ANALYSIS SYSTEM

Competitors and Current Problems: There are many nutritional analysis systems on the market. However, none of these programs uses the nutrient retention factor method for recipe calculations or access the Survey Nutrient Database unmodified. In addition, no current nutritional analysis programs allow for addition of moisture or fat gains or losses due to cooking. These features are beneficial in assessing the actual nutrient content of foods as eaten.

Technology: Dr. Sue McPherson, a faculty member at the University of Texas Health Science Center at Houston, has developed a system for nutritional analysis. More specifically, the Food Intake Analysis System (FIAS) is a user friendly microcomputer nutritional analysis software package designed to assist in the collection, entry, maintenance, storage, retrieval and analysis of food intake data from food records or recalls. The FIAS system includes nutritional analysis programs, nutrient data files, a sample food intake form and sample recipe form, and camera ready copies of two-dimensional food models.

Publications:

- Lacombe, R, Taylor, Martha, Noble, Janet, Comparative Evaluation of Four Microcomputer Nutrient Analysis Software Packages. Journal of the American Dietetic Association, Nov 1992, vol. 92, No 11, pp 1391-1392.
- McPherson, R. Sue, Applications of USDA's Nutrient Data Base for Nutritional Epidemiology. In: Nutrient Data Banks - Their Role in Nutrition Today: Special report on a symposium sponsored by the AACC Nutrition Division at AACC's 74th Annual Meeting in Washington, DC, October 1989. Cereal Foods World, July 1990, vol. 35, No 7, pp 653-656.
- Hicks, Linda S., Food Frequency, Food Record/Recall Analysis and Recipe Analysis Software. In: Proceedings of the Fourteenth National Nutrient Databank Conference, University of Iowa, June 1989. Ed. Phyllis Stumbo, The CBORD Group, Inc., 1990.

NON-CONFIDENTIAL TECHNOLOGY DESCRIPTION

The preceding is intended to be a non-confidential summary of a novel technology created at the University of Texas Health Science center at Houston (UTHSCH), for which the University has obtained patent protection.

UTHSC-H Ref. No.: 1991-0003

Inventors: McPherson

Patent Status: N/A

License Available: world-wide; non-exclusive or exclusive

To obtain further information about this technology, please contact:
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