

NCC Publications

A number of papers have been published describing NDSR and methods related to the development and maintenance of the NCC Food and Nutrient Database. References for these papers are provided below in chronological order with links to abstracts and full texts provided where possible.

[The NHLBI nutrition data system.](#)

Dennis B, Ernst N, Hjortland M, Tillotson J, Grambsch V. J
Am Diet Assoc, 77:641-647, 1980.

[Maintaining a Food Composition Data Base for Multiple Research Studies: The NCC Food Table.](#)

Buzzard M, Feskanich D.
In: W. Rand, C. Windham, B. Wyse, and Y. V (eds.), Food Composition Data: A User's Perspective: The United Nations University, 1987.

[Comparison of a computerized and a manual method of food coding for nutrient intake studies.](#)

Feskanich D, Buzzard I, Welch B, Asp E, Dieleman L, Chong K, Bartsch G.
J Am Diet Assoc, 88: 1263-1267, 1988.

[Sources of data for developing and maintaining a nutrient database.](#)

Schakel S, Sievert Y, Buzzard M.
J Am Diet Assoc, 88: 1268-1271, 1988.

[Computerized collection and analysis of dietary intake information.](#)

Feskanich D, Sielaff B, Chong K, Bartsch G.
Comput Methods Programs Biomed, 30(1): 47-57, 1989.

[Maintenance of a nutrient database for clinical trials.](#)

Sievert YA, Schakel SF, Buzzard IM.
Controlled Clin Trials, 10:416-425, 1989.

[Accuracy and efficiency of estimating nutrient values in commercial food products using mathematical optimization.](#)

Westrich BJ, Buzzard IM, Gatewood LC, McGovern PG. J
Food Comp Anal, 7:223-239, 1994.

[Procedures for estimating nutrient values for food composition databases.](#)

Schakel S, Buzzard I, and Gebhardt, S.
J Food Comp Anal, 10: 102-114, 1997.

[Carotenoid content of US foods: An update of the database.](#)

Holden J, Eldridge A, Beecher GR, Buzzard IM, Bhagwat S, Davis C, Douglass L, Gebhardt S, Haytowitz D, Schake S.
J Food Comp Anal, 12: 169-196, 1999.

[Incorporation of trans-fatty acids into a comprehensive nutrient database.](#)

Schakel S, Harnack L, Wold C, Van Heel N, Himes J.
J Food Comp Anal, 12: 323-331, 1999.

[Maintaining a nutrient database in a changing marketplace: keeping pace with changing food products-a research perspective.](#)

Schakel SF.
J Food Comp Anal, 14:315-322, 2001.

[Meeting expanding needs for nutrient specificity: the NASA case study.](#)

Van Heel N, Pettit J, Rice BL, Smith SM.
J Food Comp Anal, 16:299-303, 2003.

[Expansion of a nutrient database with the "new" vitamin E.](#)

Schakel S, Pettit J.
J Food Comp Anal, 17: 371-378, 2004.

Development of a glycemic index database for dietary assessment.

Schakel S, Schauer R, Himes J.
J Food Comp Anal, 21:S50-S55, 2008.

A computer-based approach for assessing dietary supplement use in conjunction with dietary recalls.

Harnack L, Stevens M, Van Heel N, Schakel S, Dwyer J, Himes J.
J Food Comp Anal, 21:S78-S82, 2008.

Adjusting a nutrient database to improve calculation of percent calories from macronutrients.

Schakel SF, Jasthi B, Van Heel N, Harnack L.
J Food Comp Anal, 22 (Suppl 1): S32-S36, 2009.

Evaluation of the comprehensiveness and reliability of the chromium composition of foods in the literature.

Thor MY, Harnack L, King D, Jasthi B, Pettit J.
J Food Comp Anal, 24: 1147-1152, 2011.

Addition of Gluten Values to a Food and Nutrient Database.

Jasthi B, Pettit J, Harnack L.
J Food Comp Anal, 85:103330, 2020.

Adapting a US dietary analysis software and nutrient database for use in Brazil

Lorenzana Peasley J, Harnack L, Anater A, Lopes T, de Brito J, Schmitz K.
J Food Comp Anal, 121: 105364, 2023.