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.

Maintaining a Food Composition Data Base for Multiple Research Studies: The NCC Food Table.
Buzzard M, Feskanich D.

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.

Sources of data for developing and maintaining a nutrient database.
Schakel S, Sievert Y, Buzzard M.

Computerized collection and analysis of dietary intake information.
Feskanich D, Sielaff B, Chong K, Bartsch G.

Maintenance of a nutrient database for clinical trials.
Sievert YA, Schakel SF, Buzzard IM.

Accuracy and efficiency of estimating nutrient values in commercial food products using mathematical optimization.
Westrich BJ, Buzzard IM, Gatewood LC, McGovern PG.

Procedures for estimating nutrient values for food composition databases.
Schakel S, Buzzard I, and Gebhardt, S.

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.

Incorporation of trans-fatty acids into a comprehensive nutrient database.
Schakel S, Harnack L, Wold C, Van Heel N, Himes J.

Maintaining a nutrient database in a changing marketplace: keeping pace with changing food products-a research perspective.
Schakel SF.

Meeting expanding needs for nutrient specificity: the NASA case study.
Van Heel N, Pettit J, Rice BL, Smith SM.

Expansion of a nutrient database with the "new" vitamin E.
Schakel S, Pettit J.
Development of a glycemic index database for dietary assessment.
Schakel S, Schauer R, Himes J.

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.

Adjusting a nutrient database to improve calculation of percent calories from macronutrients.
Schakel SF, Jasthi B, Van Heel N, Harnack L.

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.