

The dietary supplement industry has burgeoned into a multi-billion dollar industry as American consumers have increasingly chosen to take supplements containing ingredients, including vitamins, minerals, amino acids, fatty acids, botanicals, and other compounds for their perceived health effects. During the last decade over half of American adults reported taking at least one dietary supplement in the National Health and Nutrition Examination Survey (NHANES), and many supplements contribute nutrients and other components to dietary intake.

The federal government regularly surveys the U.S. population to evaluate nutrient intake from foods, beverages, and supplements. To provide analytical dietary supplement information for the survey efforts, scientists in the Nutrient Data Laboratory (NDL) at the Beltsville Human Nutrition Research Center (BHNRC), U.S. Department of Agriculture, Agricultural Research Service (USDA/ARS), worked with the Office of Dietary Supplements, National Institutes of Health (ODS/NIH) and other federal agencies to plan and develop a Dietary Supplement Ingredient Database (DSID). The DSID is an analytically validated database of ingredient levels in dietary supplement products. It is a research tool to support the evaluation of levels of bioactive ingredient in dietary supplement products. The DSID builds on the well-recognized strengths of the USDA/ARS in developing food composition databases that support the assessment of intake of nutrients from foods. The DSID, First Release (DSID-1) was made available to researchers and the public on April 20, 2009 (<http://dietarysupplementdatabase.usda.nih.gov>). This web site provides a user-friendly interface for the DSID and was developed through an iterative process between NDL scientists and web development specialists. The web site is hosted by the National Library of Medicine (NLM). The DSID-1 provides estimated ingredient levels for generic products derived from analyzed nutrient levels in a representative

group of adult multivitamin/minerals (MVMs) consumed in the U.S. The analytical estimates provided by DSID-1 will improve assessment of total nutrient intakes from foods and supplements. DSID-1 facilitates assessment of vitamin and mineral intakes from adult MVMs as a complement to the nutrient database for foods, the USDA National Nutrient Database for Standard Reference (SR). The DSID will also enhance researchers' ability to investigate relationships between dietary supplement intakes and health indicators in future applied research studies. The DSID is funded, in large part, by the Office of Dietary Supplements. ODS provides leadership, jointly with its federal partners, to make this a reality. The consortium of federal agencies includes ODS and partners at USDA/ARS, the National Center for Health Statistics of the Centers for Disease Control and Prevention (NCHS/CDC), The Food and Drug Administration (FDA), the National Cancer Institute (NCI), NIH, and the National Institute of Standards and Technology (NIST) of the Department of Commerce.

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