



2021-2023 Food and Nutrient Database for Dietary Studies

Content of Datasets

The USDA Food and Nutrient Database for Dietary Studies 2021-2023 (FNDDS) is an application database designed to convert food and beverage portions reported in What We Eat in America, National Health and Nutrition Examination Survey into gram amounts and to determine their nutrient values.

The complete FNDDS 2021-2023 consists of 10 datasets (Access® and SAS®). Select variables in quick view and search format also available in Excel®. All available for download at www.ars.usda.gov/nea/bhnrc/fsrg.

Food Descriptions Component

Main Food Descriptions (MainFoodDesc)

Field Name	Field Type	Description
Food code ‡	N 8	Unique 8-digit identification number
Main food description	A 200	Primary description for a food code
WWEIA Category number	N 4	Unique 4-digit identification number
WWEIA Category description	A 80	Description for a WWEIA category

Additional Food Descriptions (AddFoodDesc)

Field Name	Field Type	Description
Food code ‡	N 8	Unique 8-digit identification number
Seq num	N 2	Number for ordering additional food descriptions
Additional food description	A 80	Description(s) associated with a food code/main description

Food Portions and Weights Component

Food Weights (FoodWeights)

Field Name	Field Type	Description
Food code ‡	N 8	Unique 8-digit identification number
Seq num	N 2	Number for ordering portion descriptions
Portion code ‡	N 5	Unique 5-digit identification number
Portion weight	N 8.3	Edible portion in grams (g)

Food Portion Descriptions (FoodPortionDesc)

Field Name	Field Type	Description
Portion code ‡	N 5	Unique 5-digit identification number
Portion description	A 120	Unit of measure

Nutrients Component

FNDDS Nutrient Values (FNDDSNutVal)

Field Name	Field Type	Description
Food code‡	N 8	Unique 8-digit identification number
Nutrient code‡	N 5	3-digit identification number
Nutrient value	N 10.x	Amount per 100g edible portion for energy and 64 nutrients

Nutrient Descriptions (NutDesc)

Field Name	Field Type	Description
Nutrient code‡	N 5	3-digit identification number
Nutrient description	A 45	Description of nutrient or food component
Tagname	A 15	INFOODS international food component identifier
Unit	A 10	Measurement unit for nutrient value
Decimals	N 1	Number of decimal places

Moisture Adjustment (MoistAdjust)

Field Name	Field Type	Description
Food code‡	N 8	Unique 8-digit identification number
Moisture change	N 5.1	Percentage moisture change of total weight

FNDDS Ingredients (FNDDSIngred)

Field Name	Field Type	Description
Food code‡	N 8	Unique 8-digit identification number
Seq num	N 2	Number for ordering ingredient codes
Ingredient code‡	N 8	NDB number or FNDDS food code
Ingredient description	A 240	Description of NDB number or FNDDS food code
Amount	N 11.3	Number of measures of ingredient code
Measure	A 3	Unit of measure to quantify amount of ingredient code
Portion code‡	N 5	Unique 5-digit identification number
Retention code	N 4	Retention factor identification code
Ingredient weight	N 11.3	Edible portion in grams (g)

Ingredient Nutrient Values (IngredNutVal)

Field Name	Field Type	Description
Ingredient code‡	N 8	Identifies only NDB number
Ingredient description	A 200	Description of NDB number
Nutrient code‡	N 5	3-digit identification number
Nutrient value	N 10.x	Amount per 100g edible portion for energy and 64 nutrients
Nutrient value source	A 80	FDC or other source for nutrient value
FDC ID	N 7	Identifier of food in FDC
Derivation code‡	A 4	Derivation code as defined by FDC
SR AddMod year	N 4	Year value added or last modified as defined by SR
Foundation year acquired	N 4	Initial year acquired as defined by FDC

Derivation Descriptions (DerivDesc)

Field Name	Field Type	Description
Derivation code‡	A 4	Derivation code as defined by FDC
Derivation description	A 120	Description of derivation code

‡ linking field across files

Note: Start/end dates included on all datasets (except NutDesc and DerivDesc) indicate time period corresponding to WWEIA data.