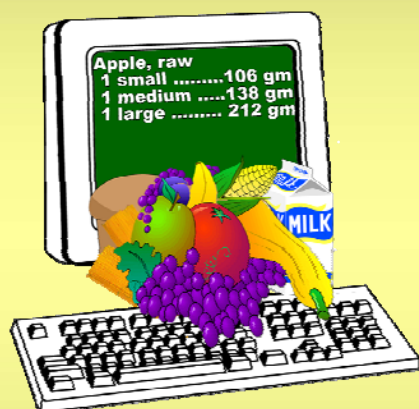


Introducing ...

The USDA Food and Nutrient Database for Dietary Studies



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Food Surveys Research Group
USDA-ARS-BHNRC



June 25, 2004
28th National Nutrient Databank Conference
Iowa City, Iowa

Food and Nutrient Database for Dietary Studies



1. What is FNDDS?
2. How can you get it?
3. How can it be used?
4. How is it different from
 - CSFII Technical Support Files
 - National Nutrient Database for Standard Reference (SR)



What is FNDDS?

Contains data for about 7,000 food codes

- Food descriptions
 - more than 13,000 total
 - some are brand specific



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- Food portions and weights
 - about 30,000 total



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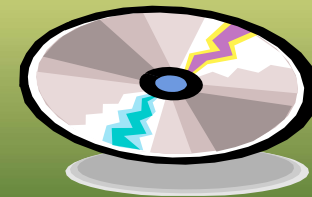
Contains data for about 7,000 food codes

- Food descriptions
 - more than 13,000 total
 - some are brand specific
- Food portions and weights
 - about 30,000 total
- Nutrient values
 - food energy + 60 others
 - based upon SR, Release 16-1



What is FNDDS? (continued)

- Formerly known as
 - Technical Support Files
 - USDA Survey Nutrient Database
 - CSFII Nutrient Database
- Previously released along with dietary intake data from surveys





What is FNDDS? (continued)

- Used to process and calculate nutrient intakes for What We Eat in America/*NHANES*
 - two 24-hour recalls
 - 5,000 individuals per year
- A subset of FSRG's multi-year database

Food and Nutrient Database for Dietary Studies

FOOD DESCRIPTIONS

Additional Food
Descriptions File

Food Code

:

.

Main Food
Descriptions File

Food Code

:

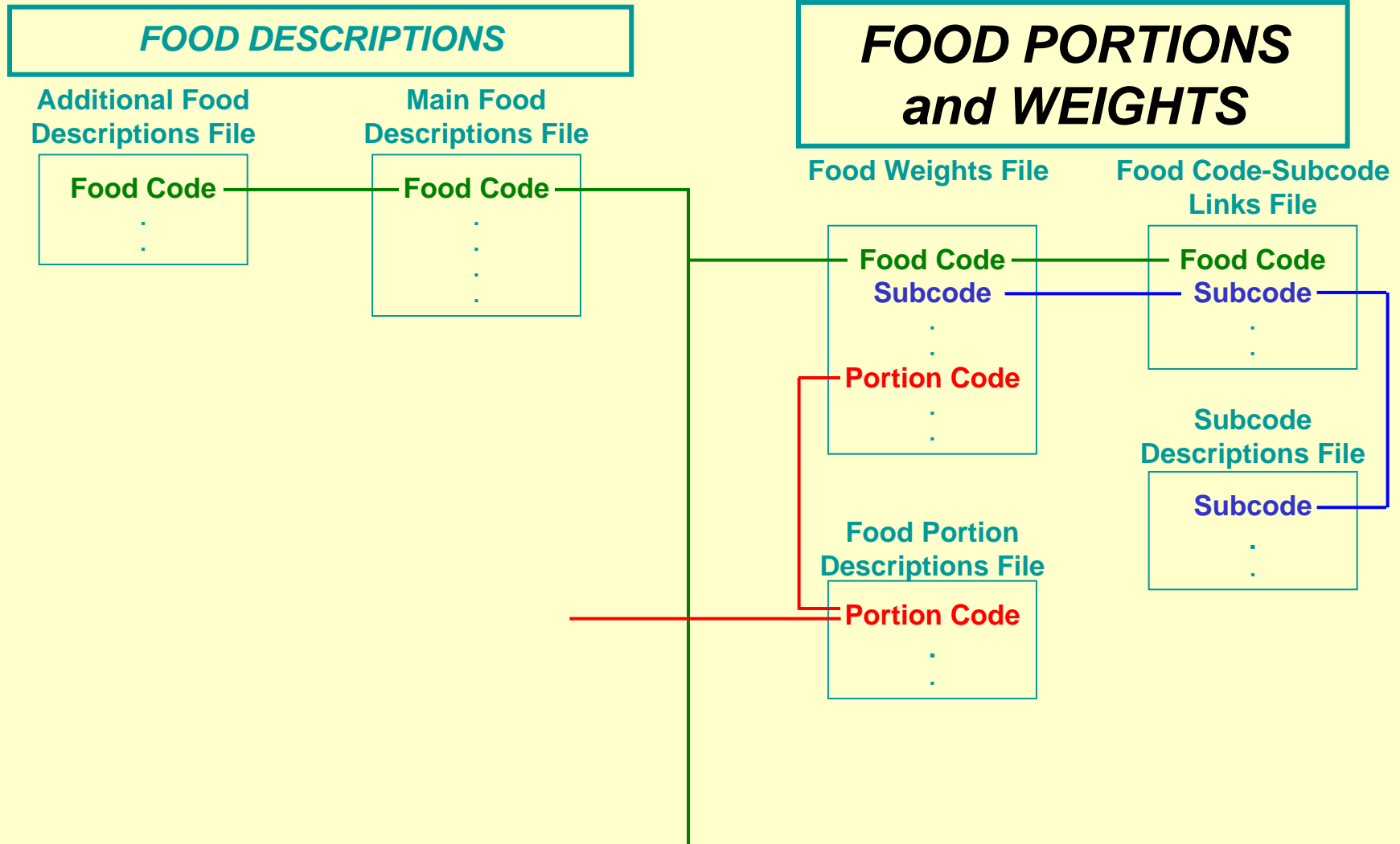
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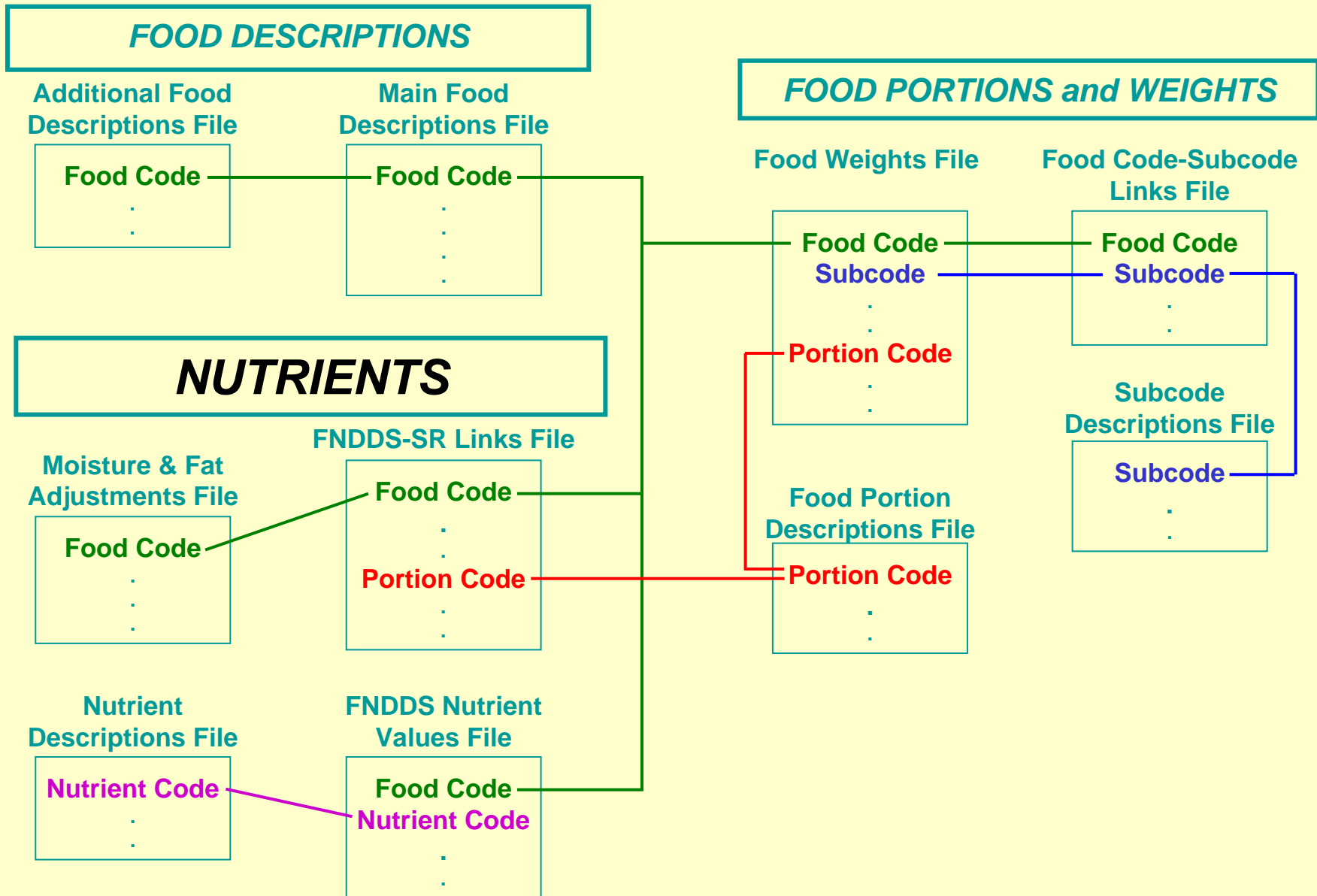
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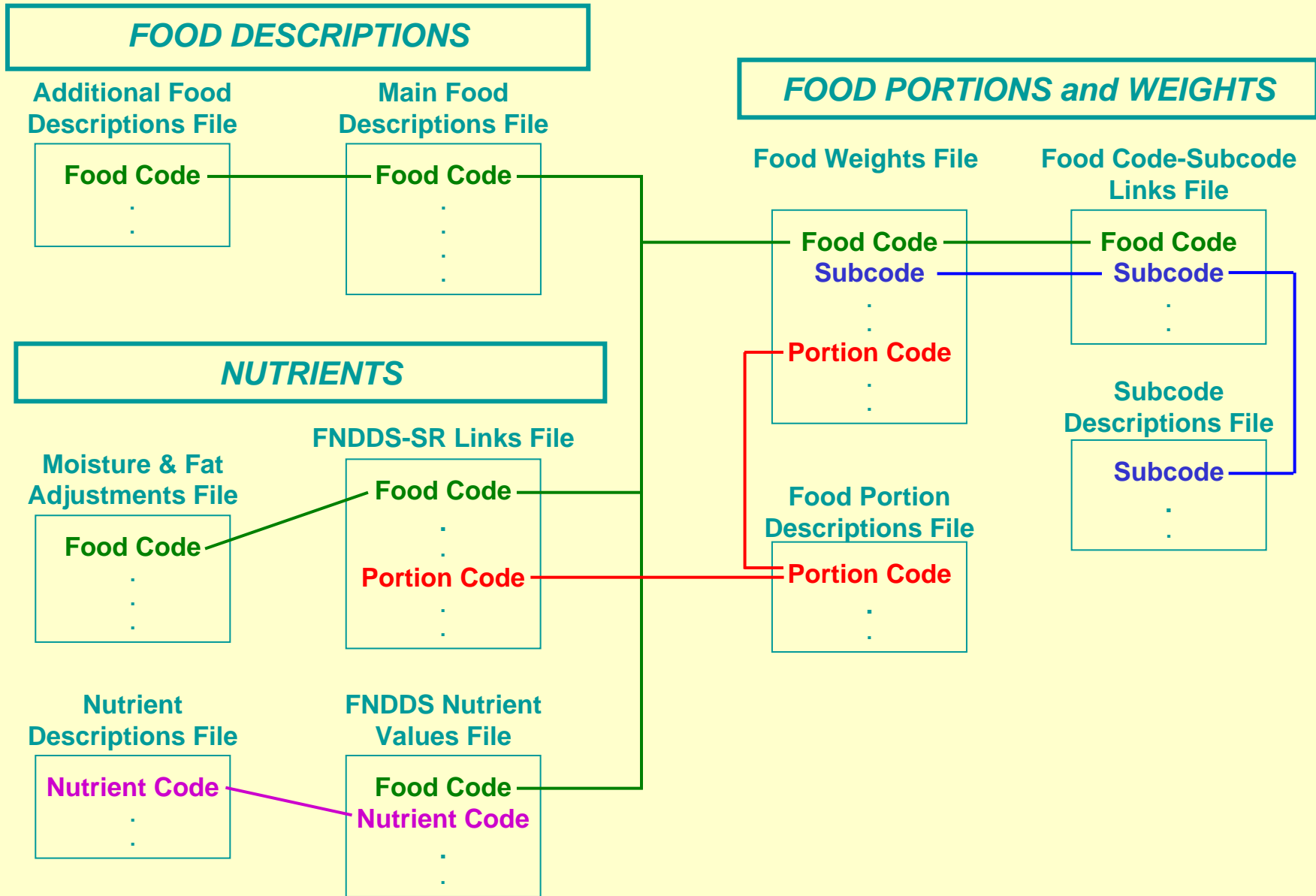
Food and Nutrient Database for Dietary Studies



Food and Nutrient Database for Dietary Studies



Food and Nutrient Database for Dietary Studies



How can you get FNDDS?



- Download from the Internet
 - www.barc.usda.gov/bhnrc/foodsurvey
- Two common formats - Microsoft Access® and ASCII
- Website has
 - Documentation and User Guide
 - FAQs
 - links to other sites with applications using FNDDS



How can you get FNDDS?

(continued)

- Online search program is in development
- Website also provides a suggested citation:

USDA Food and Nutrient Database for Dietary Studies, 1.0. (2004). Beltsville, MD: Agricultural Research Service, Food Surveys Research Group.

How can FNDDS be used?



- Analysis of dietary intake data from What We Eat in America/*NHANES*
- Development of special food grouping scheme to study trends in food consumption (Nielson et al., 2002)
- Addition of food components to database to expand nutritional analysis of survey data (Maras et al., 2004)



How can FNDDS be used?

(continued)

- Other dietary research studies
 - to code foods and determine weights for amounts eaten
 - to calculate nutrients in those foods
- Comparison of 24-hour recall estimates of energy intake with total energy expenditure by Doubly Labeled Water
(Johnson et al., 1996)



How can FNDDS be used?

(continued)

Dietary Assessment Applications involving FNDDS

- Interactive Healthy Eating Index
- Pyramid Servings Database
- Food Commodity Intake Database
- National Cancer Institute Diet History Questionnaire



How is FNDDS different from CSFII Technical Support Files?

- Release format is more accessible
- Terminology – names changed for database, files, and fields
- Updated information



How is FNDDS different from CSFII Technical Support Files?

(continued)

Examples of updates:

- New foods added, with weights and nutrients, for 2001-2002 survey & other research
- Data updated for existing foods – nutrient values, food portion weights, descriptions
- Nutrients added
- Units for some nutrients changed – to DRI units



How is FNDDS different from SR?

- Designed for different purposes
 - SR - for collection and dissemination of food composition data
 - FNDDS - for coding and analysis of food consumption data
- All FNDDS data are for foods *as consumed*
 - portion weights for foods as people report them
 - more mixed foods

The USDA Food and Nutrient Database for Dietary Studies (FNDDS)



To learn more:

- Visit our booth here at the conference
- Join the FSRG listserv for email announcements
- Review the FNDDS Documentation & User Guide
- Explore our website

www.barc.usda.gov/bhnrc/foodsurvey

Introduction to FNDDS:

- [What is it?](#)
- [How can you use it?](#)
- [Applications](#)
- [Suggested citation](#)

[Format and files](#)

[Changes since previous database](#)

[Download](#)

Introducing... USDA **Food and Nutrient Database for Dietary Studies** (FNDDS), **1.0**



WHAT IS FNDDS?

- Database of foods, their nutrient values, and weights for typical food portions; used to process and analyze food intake data
- Includes 10 data files, plus comprehensive