

# Using a Self-Administered Web-Based System to Replace the Interviewer: The Automated Self-Administered 24-Hour Dietary Recall (ASA24)

Gordon Willis,\* Nancy Potischman,\* Sharon I.Kirkpatrick,\*  
Frances E. Thompson,\* Beth Mittl,\*\* Thea Palmer Zimmerman,\*\*  
Christopher Bingley,\*\* Amy F. Subar\*

[willisg@mail.nih.gov](mailto:willisg@mail.nih.gov)

\* National Cancer Institute, NIH

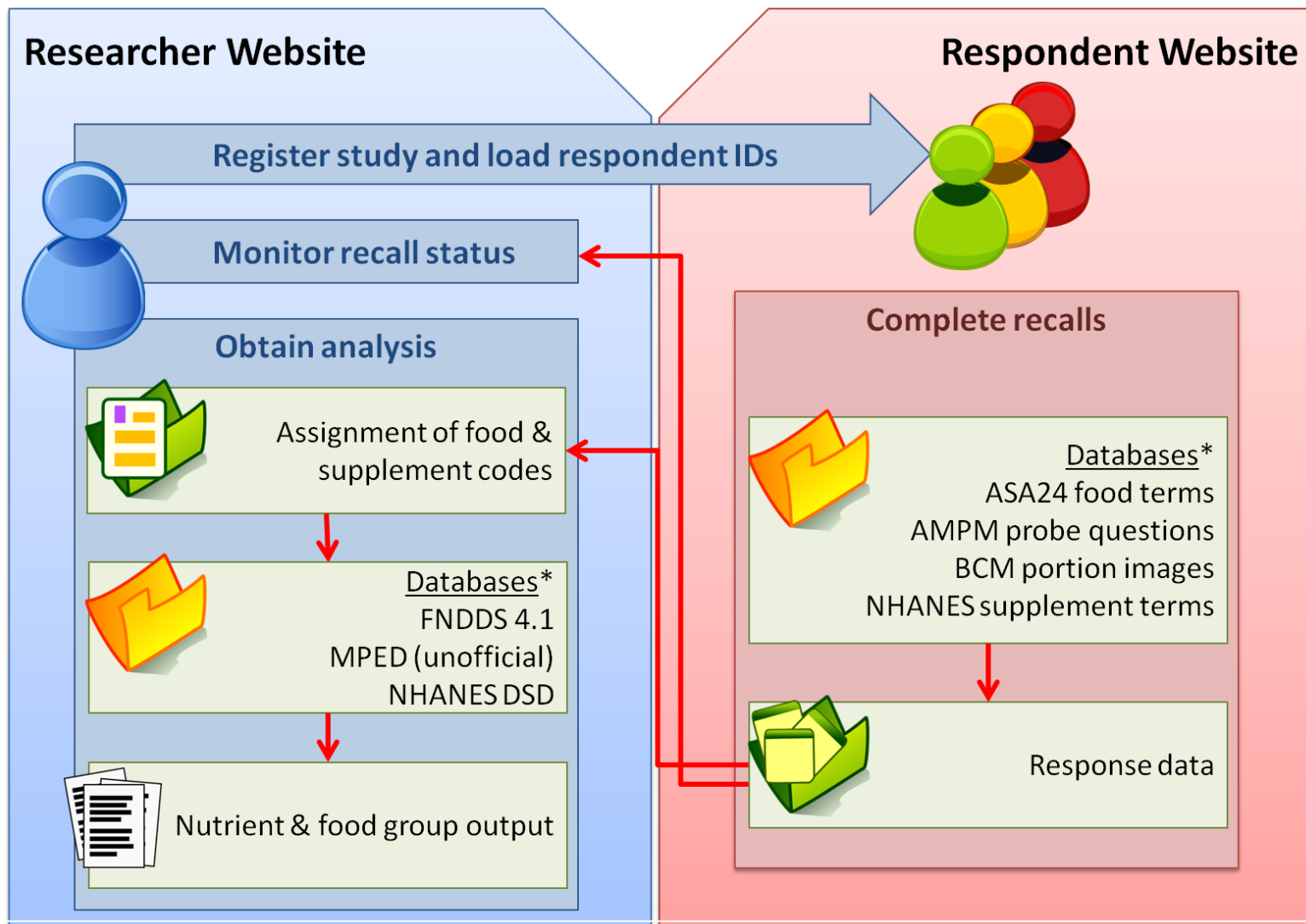
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# Measuring dietary intake

- Traditional 24-hour recalls
  - Highest quality, least biased method
- BUT previously not feasible in large-scale research
  - Expensive: trained interviewers, multiple days
- NCI's response: ASA24
  - Lower-cost means to obtain high-quality dietary data

# ASA24 System

- Respondent site (*data collection*)
  - Fully automated, web-based, self-administered 24-hour recall
  - Complete system for probing (detailed questions), coding, and calculation of respondent intakes
  - Based on recalls collected in NHANES using USDA's Automated Multiple Pass Method (AMPM)
- Researcher site (*project administration*)
  - Study registration: Adaptable to a variety of designs and applications
  - Monitor data collection
  - Obtain and analyze data



\*AMPM: Automated Multiple Pass Method  
 BCM: Baylor College of Medicine  
 DSD: Dietary Supplement Database

FNDDS: Food and Nutrient Database for Dietary Surveys  
 MPED: MyPyramid Equivalents Database  
 NHANES: National Health and Nutrition Examination Survey



# ASA24<sup>TM</sup>

- Web-based tool: provides a low-cost means of collecting high-quality dietary intake data; supported by validation research

Version	Release date	Researcher users	Recalls collected
ASA24-Beta	September 2009	> 250	50,000
ASA24-2011	September 2011	> 237	30,000
ASA24-Kids-2012	September 2012	> 10	450
ASA24-2013	Expected: Spring 2013	--	--
<b>Total</b>	--	<b>~ 500</b>	<b>~80,000</b>

- Adaptations: Canada (underway); Australia (under consideration)
- Seeking funding for *mobile-device-compatible version* from multiple ICs and Offices

# More information on ASA24

- [www.riskfactor.cancer.gov/tools/instruments/asa24](http://www.riskfactor.cancer.gov/tools/instruments/asa24)
  - Links to:
    - FAQs
    - Demo version of respondent site
    - Researcher instructions and researcher website for registering a new study
    - ASA24 Researcher Portal