

Comparison of NDSR and the ASA24™ for 24-hour Dietary Recall Collection

	NDSR ¹	ASA24 ²
Recall Methodology and Options		
Mode of administration	Interviewer administered	Self-administered via web
Multiple pass approach to recall collection included	Yes	Yes
Prompts displayed in English or Spanish	Yes	Yes
Dietary supplement use assessment option	Yes	Yes
Meal name, time, and location queries	Yes	Yes
Participant Burden		
Internet access required	No	Yes
Typical interview duration	20 min ³ - recall 10 min - dietary supplement	30 min ⁴ - recall 15 min - dietary supplement
Food & Nutrient Database		
Approximate number of foods in the database	18,200	7,600
Number of nutrients, nutrient ratios, and other food components	169	67
Brand name products	8,000	2,000
Number of restaurants	23 (all menu items)	21 (some menu items)
Completeness of nutrient values	99-100% (except 91% for pectins)	100%
Quality Assurance		
Ability to edit a record (e.g., change a food or food amount)	Yes	No
Ability to add foods or supplements that are not in the database	Yes	No

¹Nutrition Data System for Research (University of Minnesota Nutrition Coordinating Center)

²Automated Self-Administered 24-hour Dietary Recall System (National Cancer Institute)

³Harnack L., Stevens M, Van Heel N, Schakel S, Dwyer J, Himes J. A computer-based approach for assessing dietary supplement use in conjunction with dietary recalls. J Food Comp Anal. 2008; 21:578-582.

⁴National Cancer Institute ASA24 Automated Self-administered 24-hour Recall Frequently Asked Questions