

New Web-Based Technology: The ASA24 Interview

S Hull, T Zimmerman, S McNutt,

B Mittl (Westat)

R Buday, R Tapia (Archimage)

P Guenther (CNPP)

T Baranowski, N Islam (Baylor College of Medicine)

F Thompson, N Potischman

M Morrissette, A Subar (NCI)



The ASA24 System

- Respondent Site
 - Report foods consumed
- Researcher Site
 - Add new studies
 - Manage existing studies
- Administrator Site
 - Add new researchers



System Architecture

- Software comprised of 3 major components
 - User Interface
 - Database
 - Web services



Adapting the Multiple-Pass Approach

- AMPM
 - Quick List
 - Forgotten Foods
 - Time and Occasion
 - Detail Cycle
 - Final Probe

- ASA24
 - Quick List
 - Includes Time and Occasion
 - Detail Cycle
 - Final Probe
 - Includes Forgotten Foods



The Agent

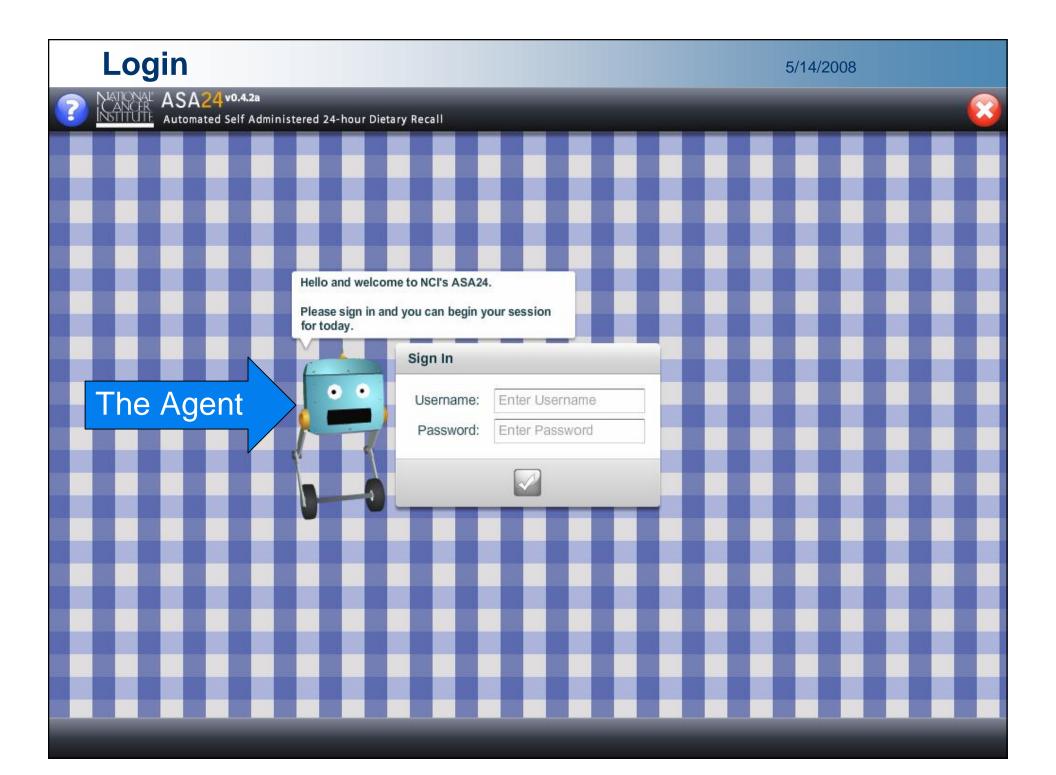
- Engaging interview
- Context-sensitive help
- Entertainment
- User Selected
 - Avoid Bias
 - 4 Different Agents

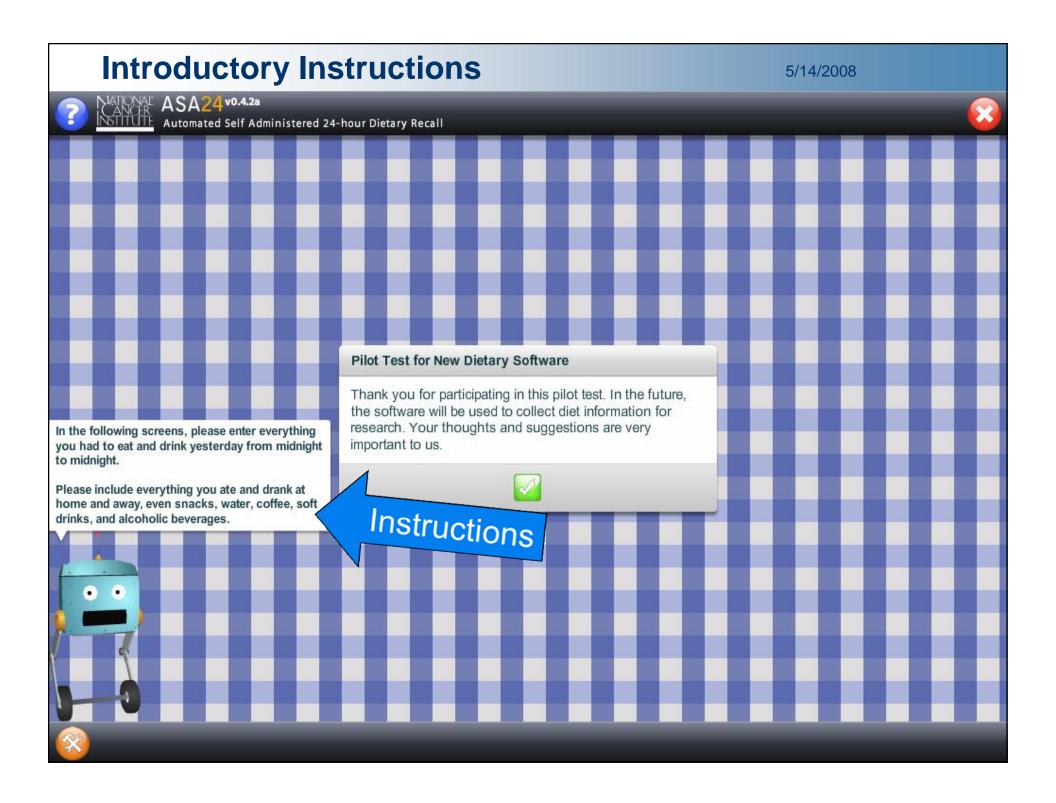


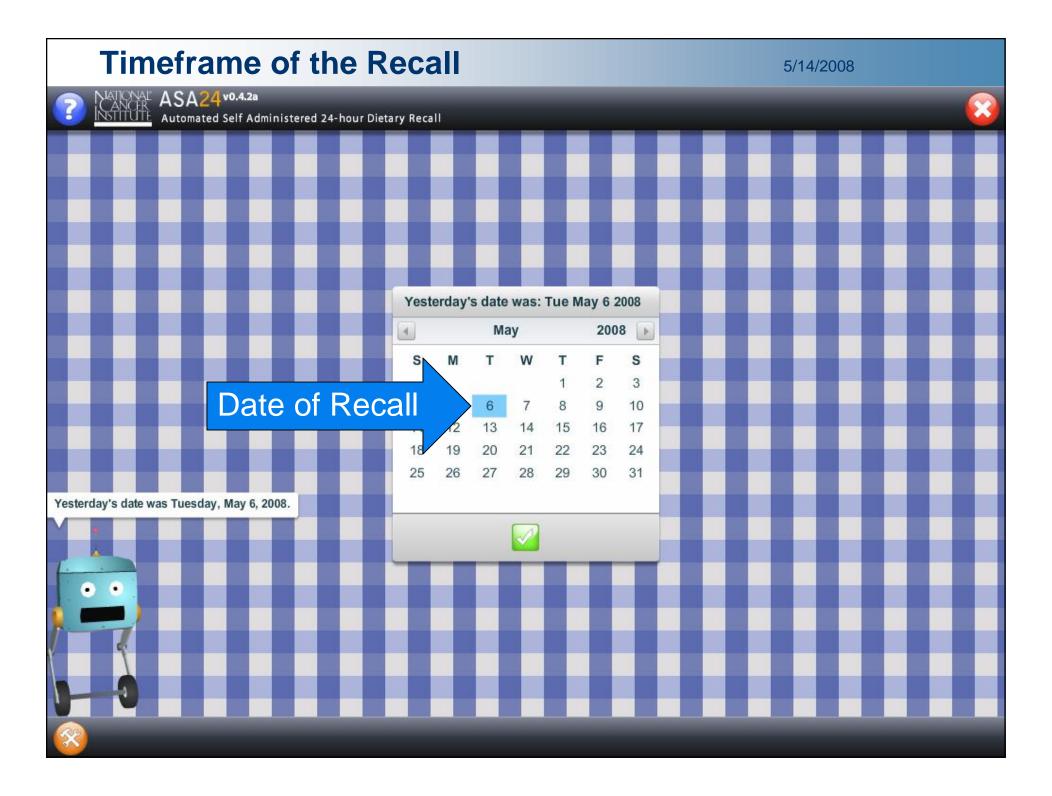


Introduction

- Login
- Online Tutorial
- Introductory instructions
- Timeframe of the recall



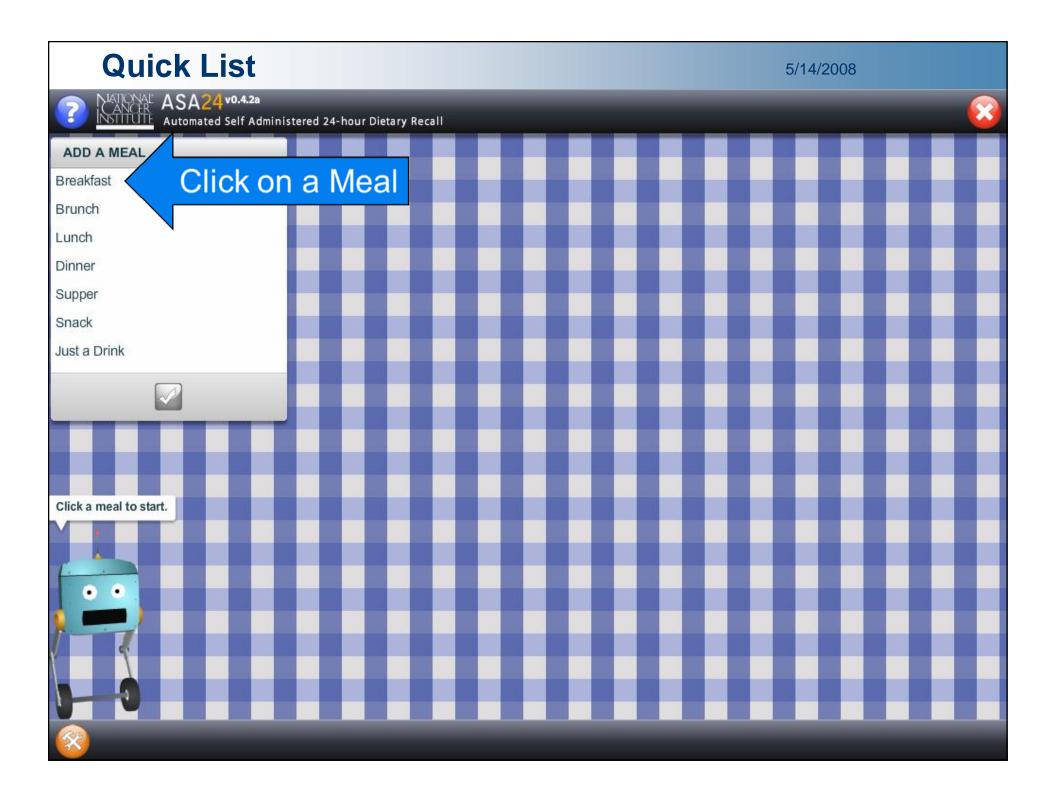


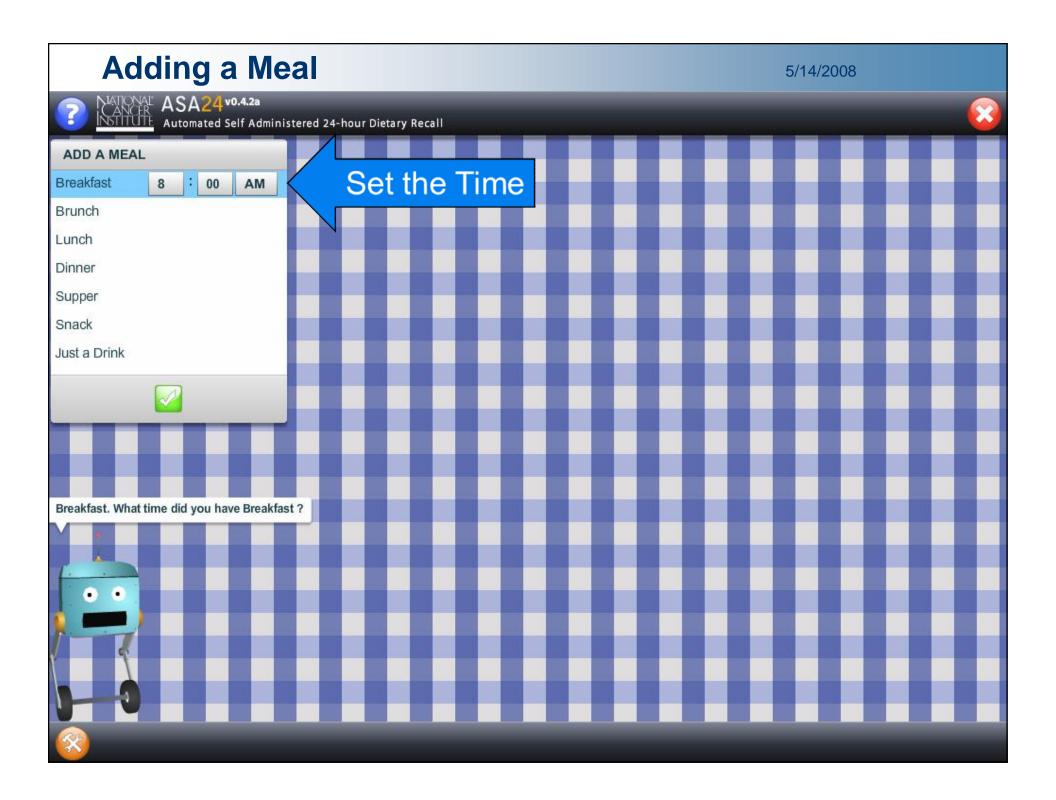


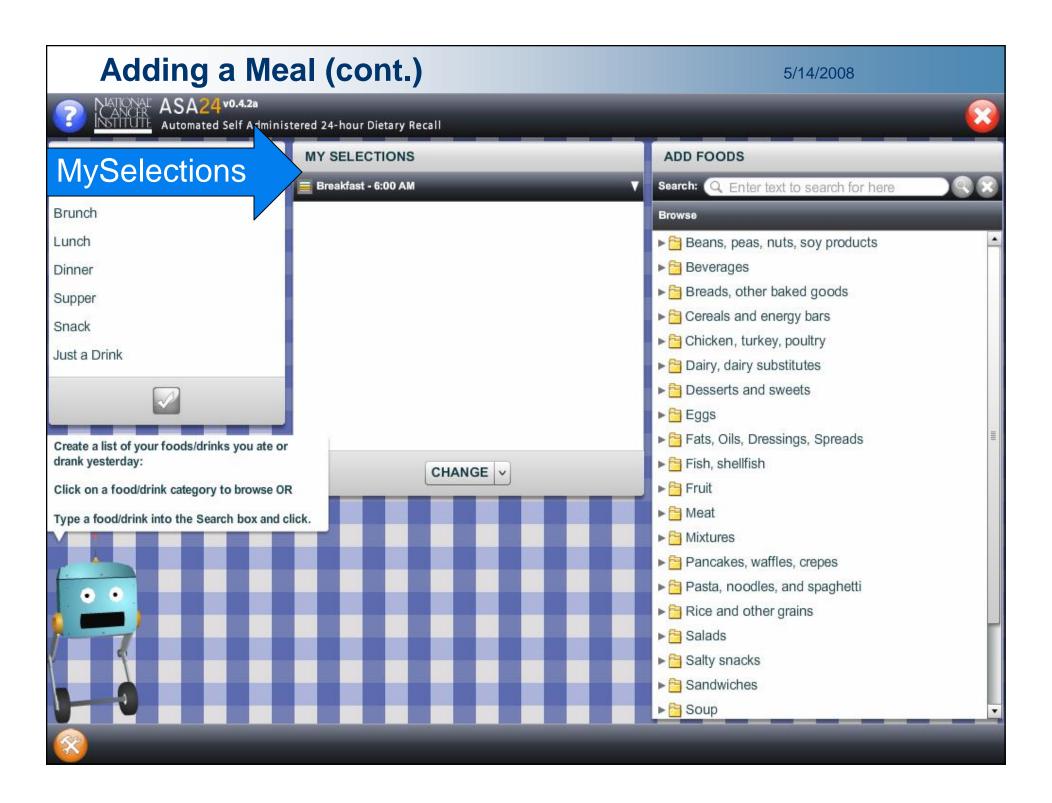


Quick List

- Build list of foods in the MySelections box
 - Meal-based
 - Occasion, Time, and Location (optional)
- Actions at end of Quick List
 - Reviews
 - Midnight to first occasion
 - Between occasions
 - Last occasion to midnight
 - Multi-ingredient trap



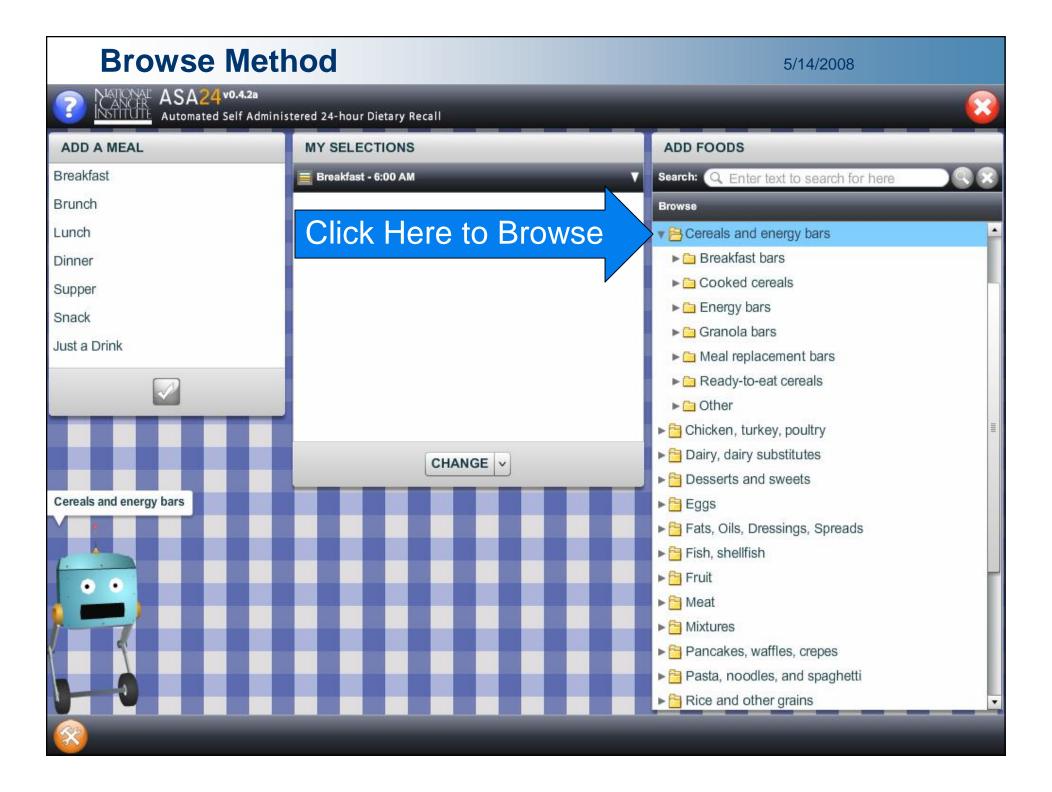


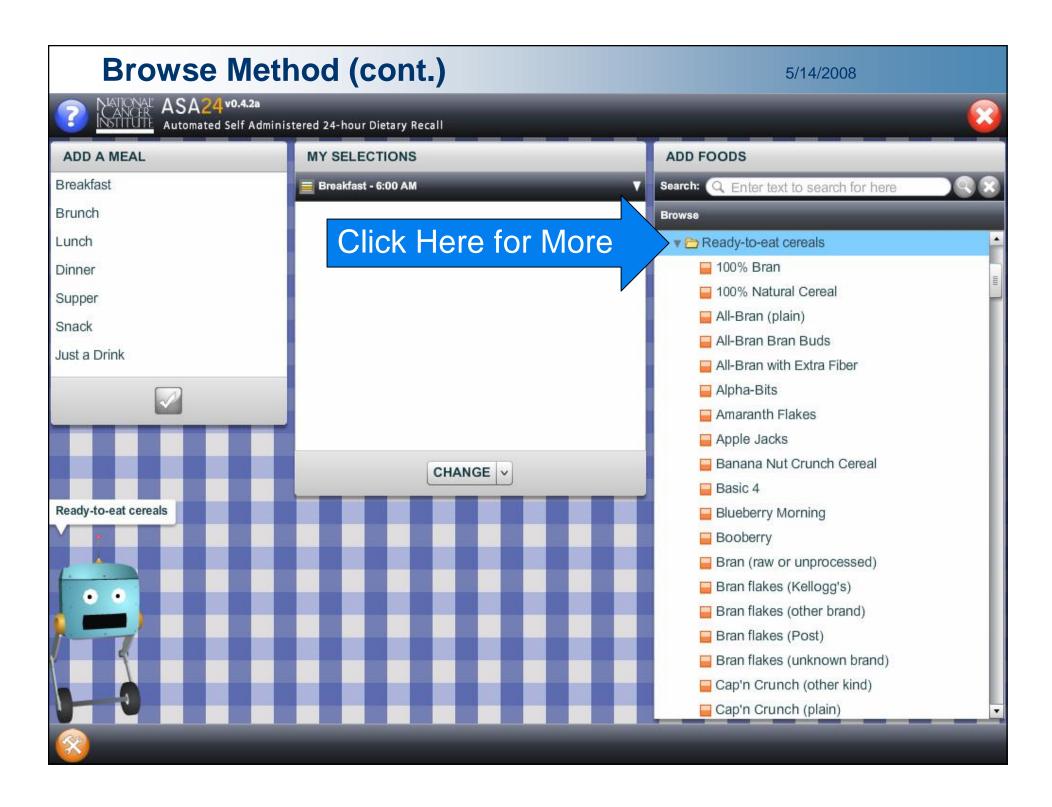


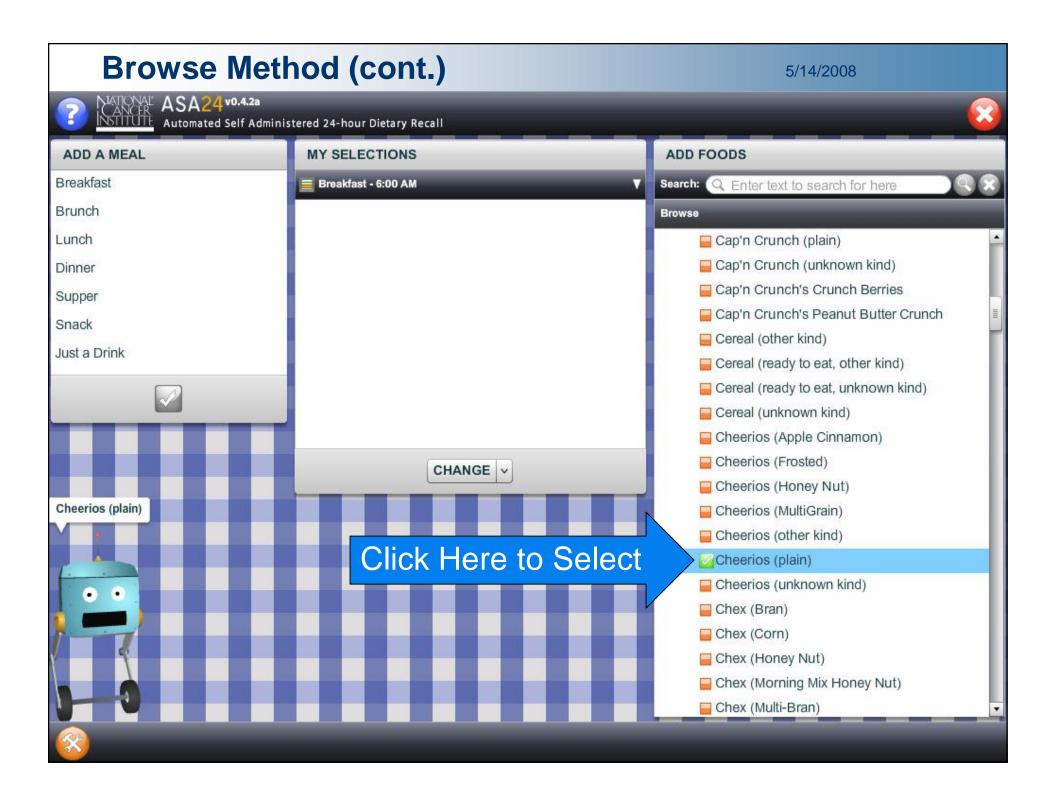


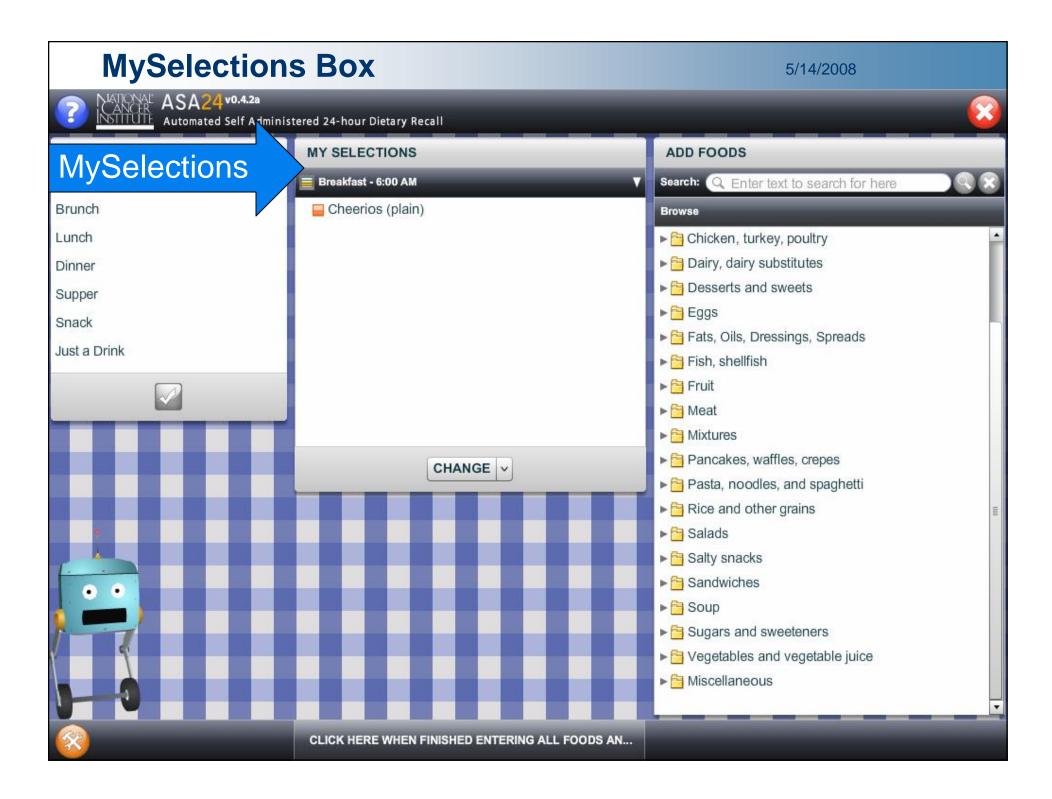
Adding Foods

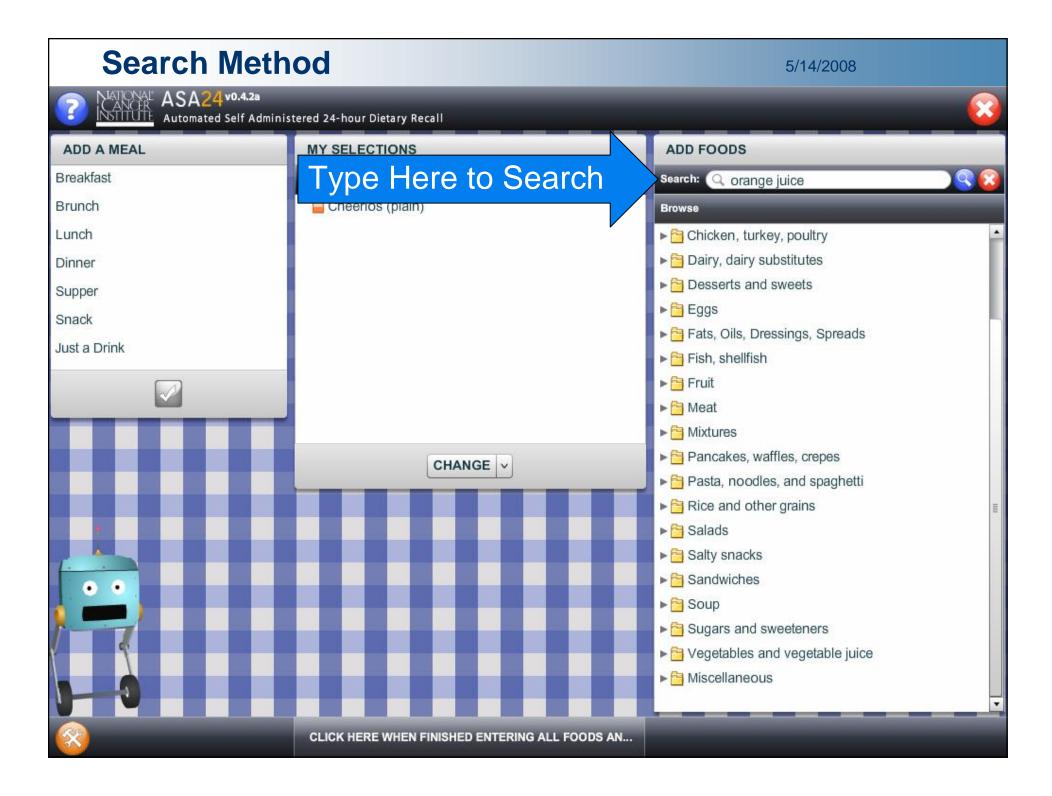
- Finding a food
 - Browse method
 - 23 Food Groups
 - 237 Sub-groups
 - ~7,000 Food List Terms
 - Search method
 - Food not found
- Adding a food
 - The MySelections Box

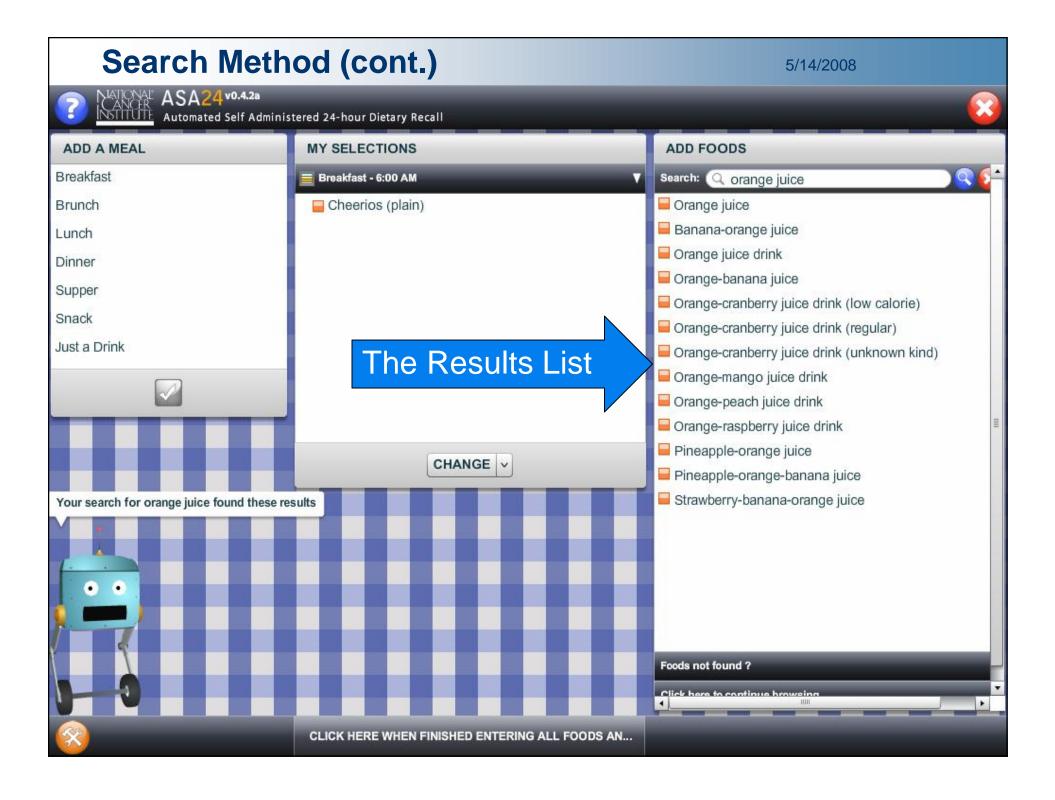


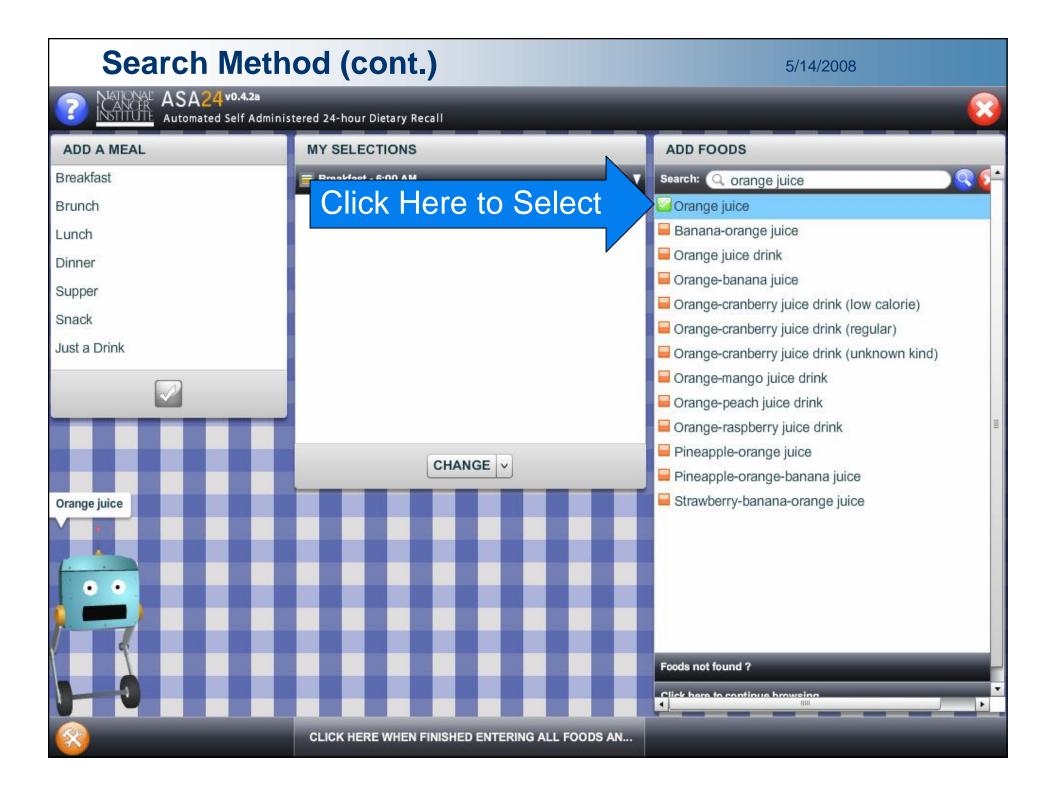


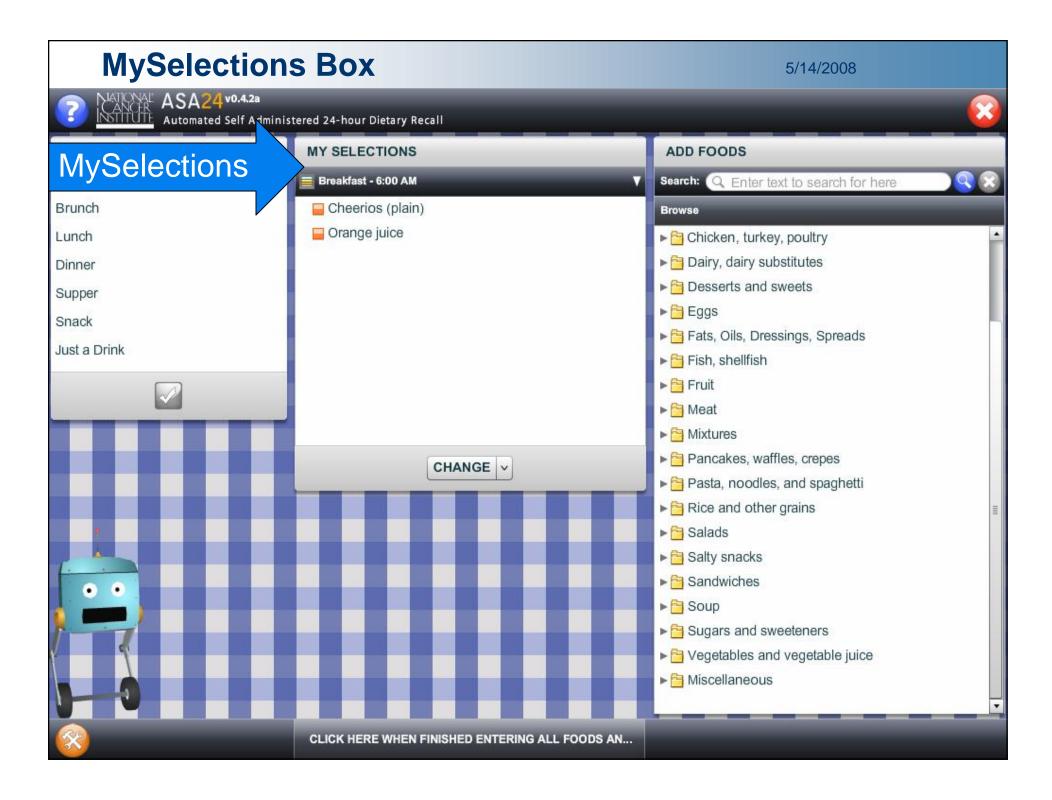














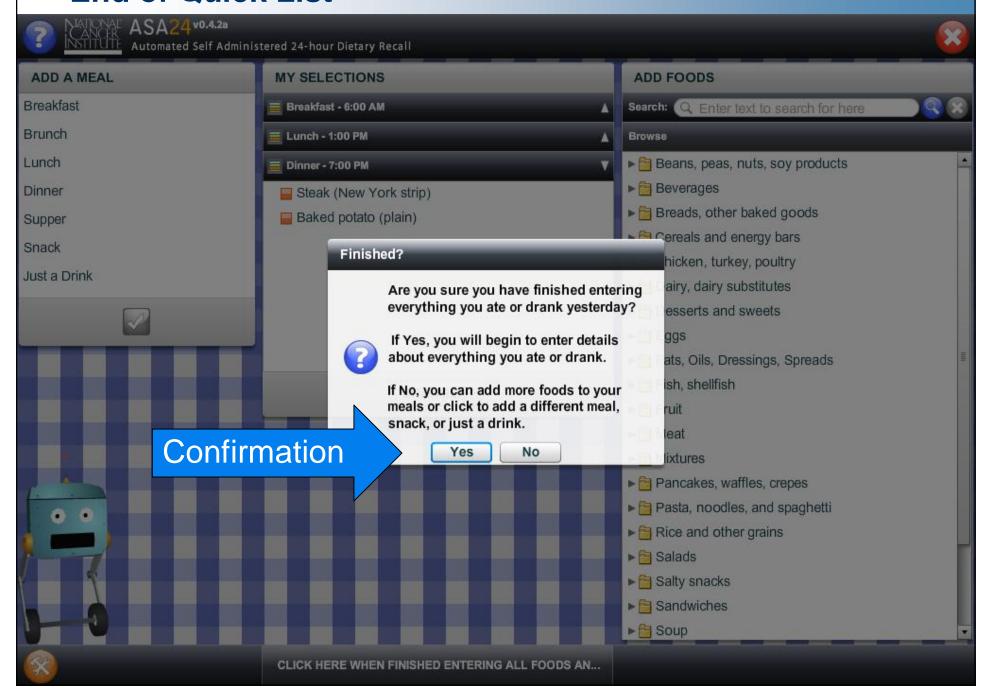
Detail Pass

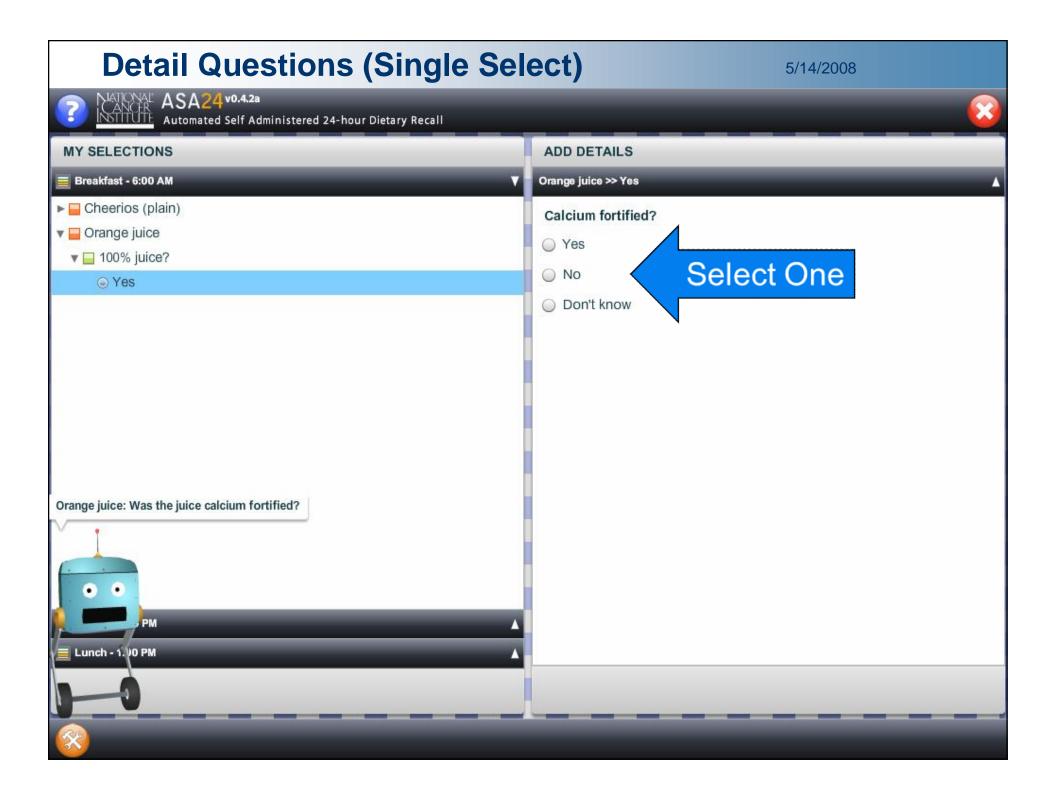
- Detail Questions
 - 65% of foods have no detail questions (...excluding portion questions)
- Portion Questions
 - Food portions
 - · Volume, weight, or package
 - Beverage portions
 - Container
 - Slider
 - Spin dial for larger portions
- Additions to Foods
 - Ex. Cream added to Coffee, Milk added to Cereal

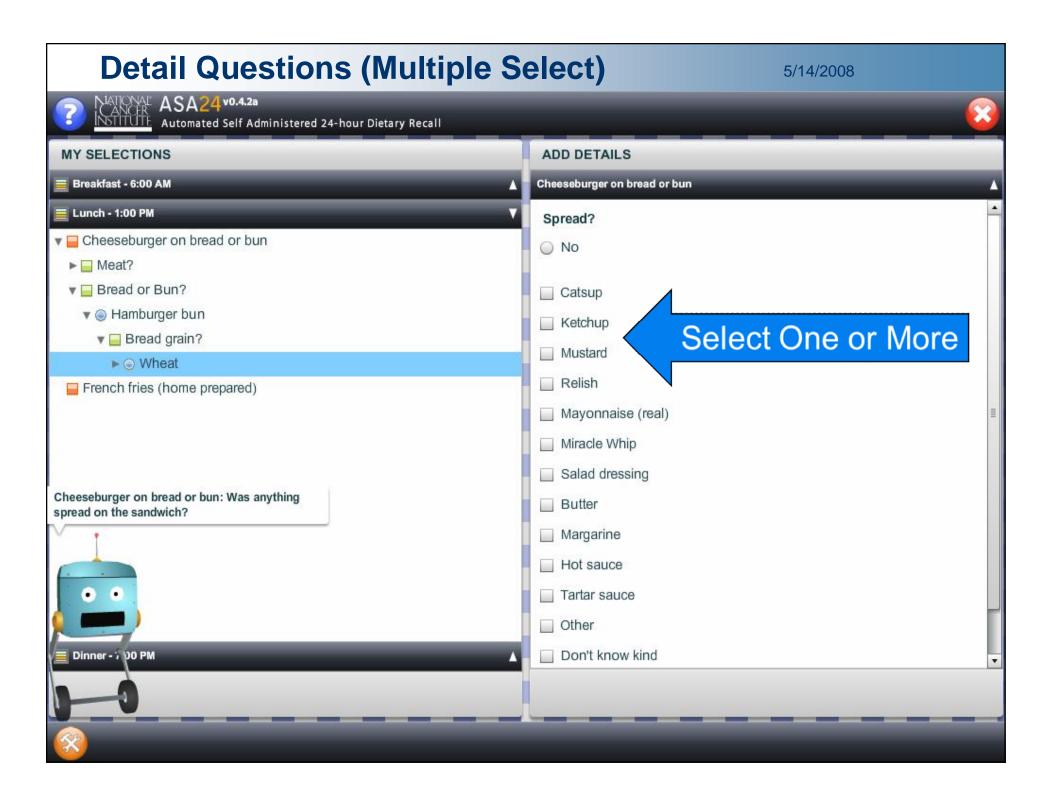


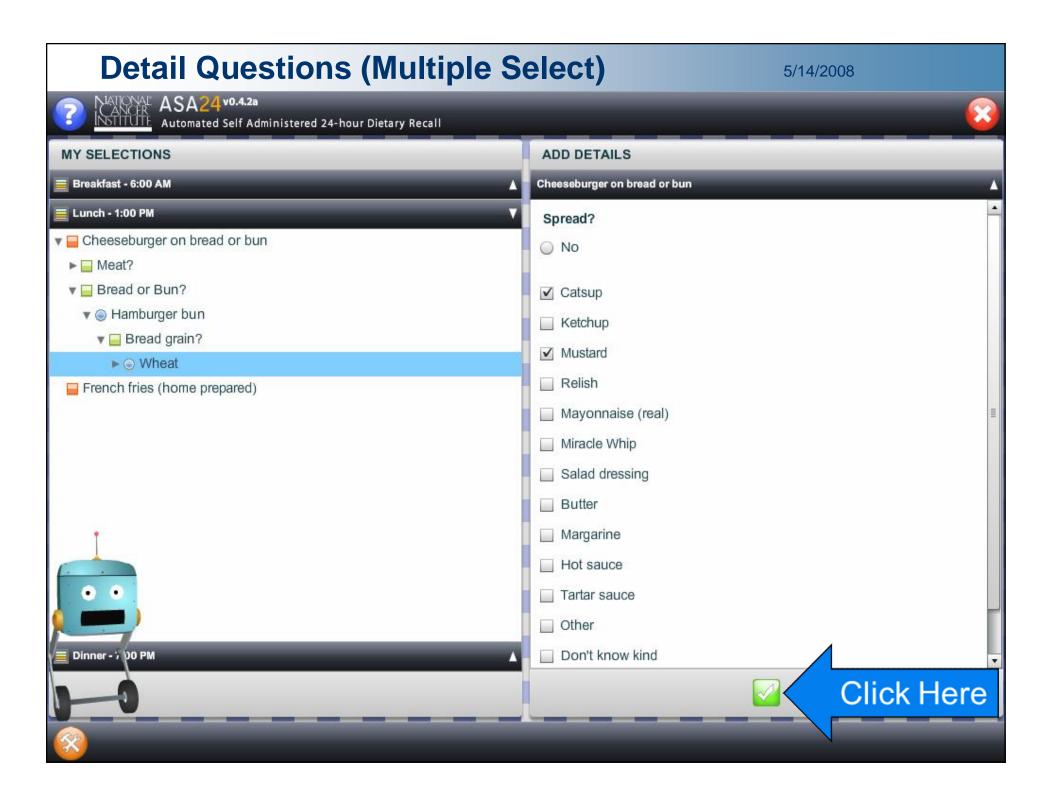
End of Quick List

5/14/2008



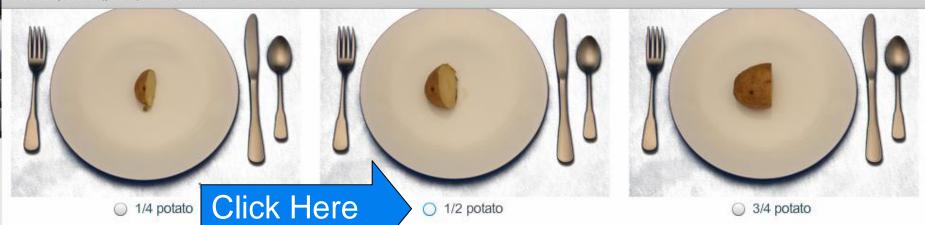


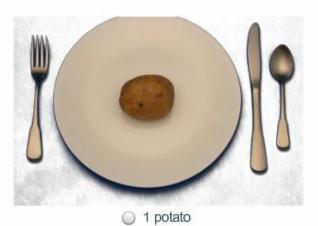










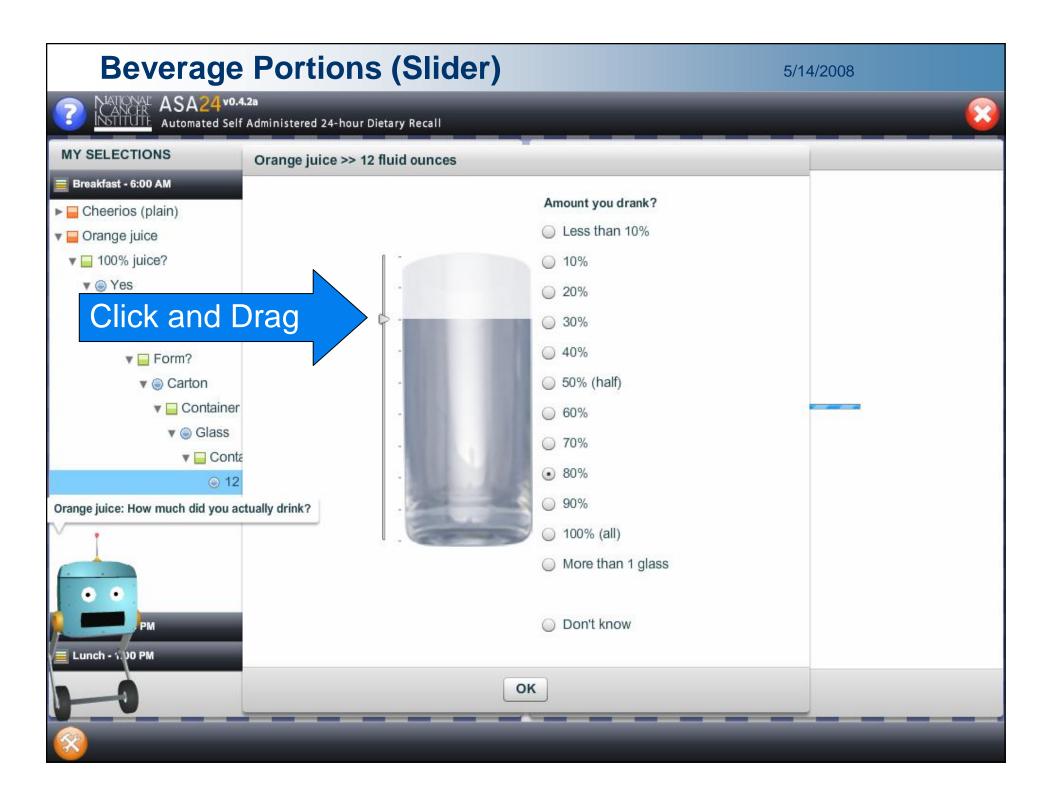


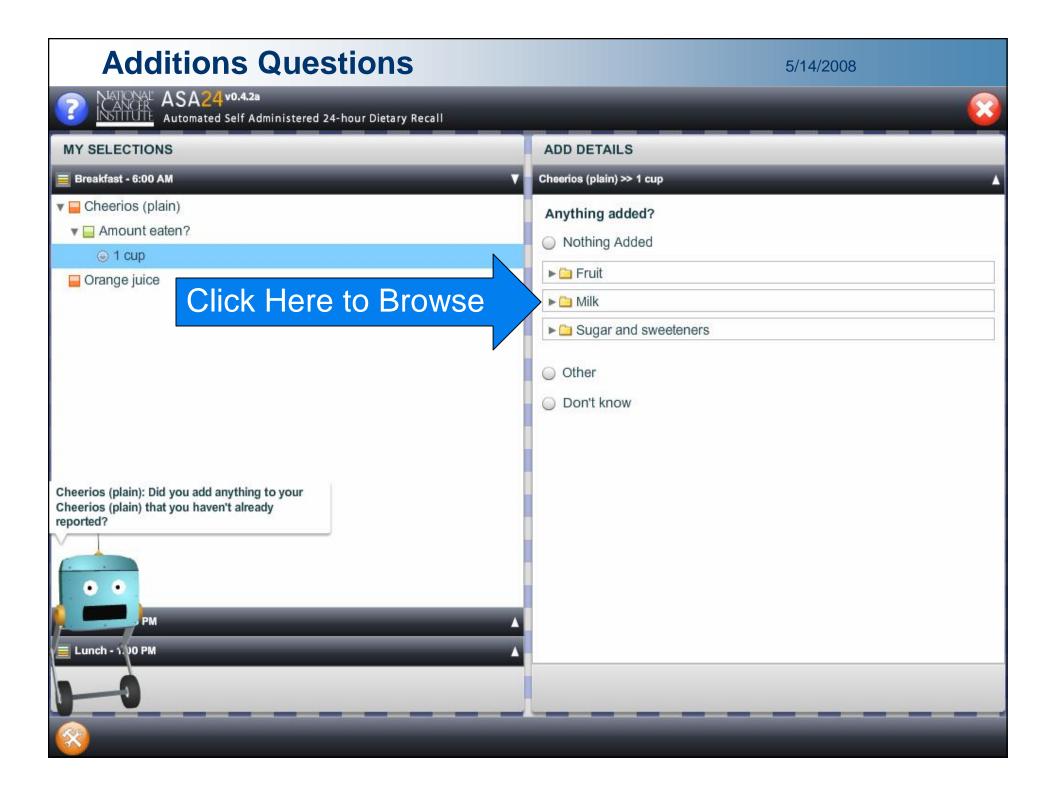
- Less than 1/4 potato
- More than 1 potato
- Don't know

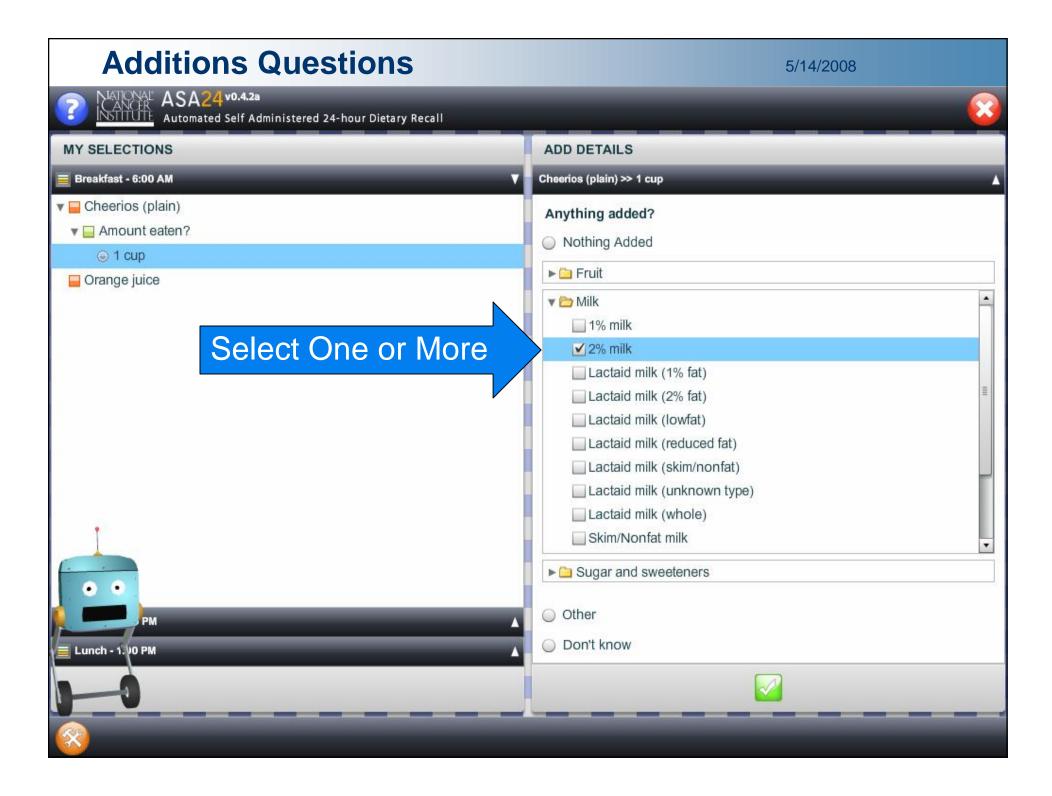
Pouch

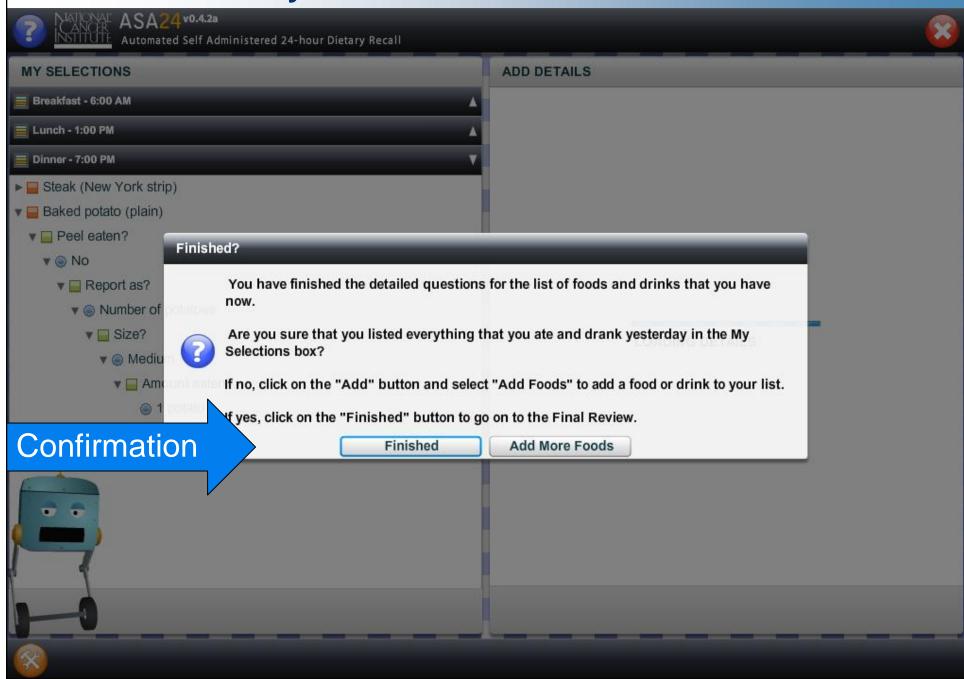








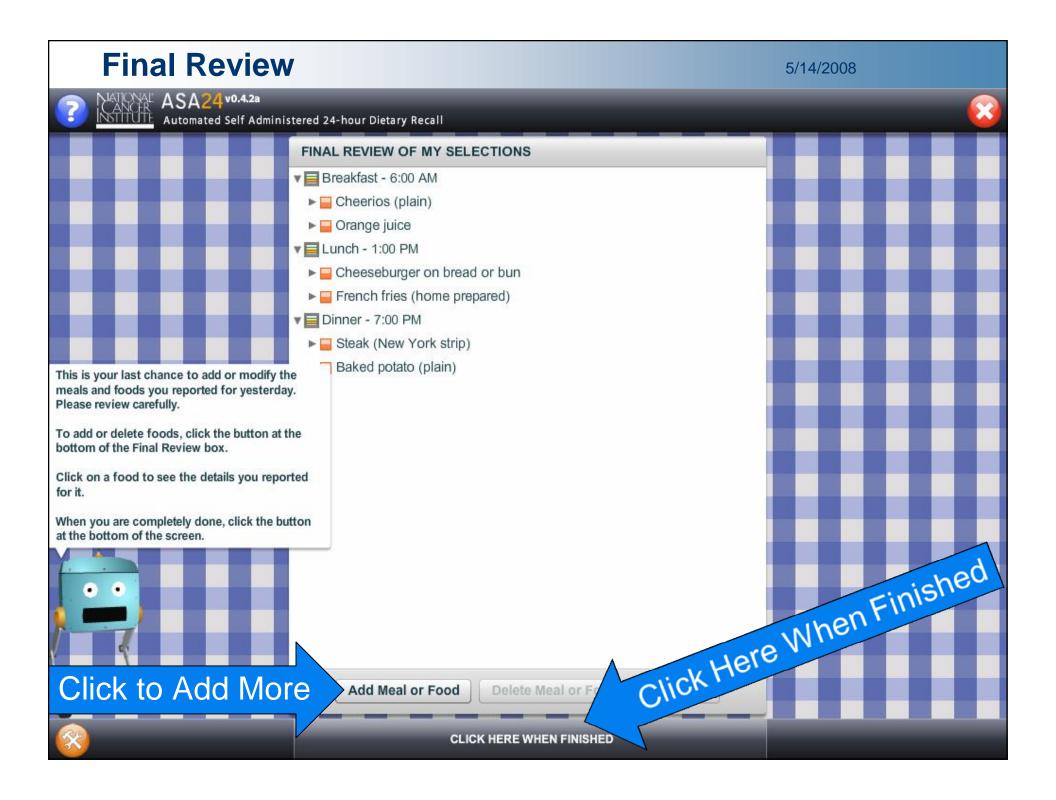






Final Review

- Review foods for entire recall
- Forgotten foods pass
 - Snacks
 - Drinks
 - Breads
 - Etc.





Supplements

- Optional Module
- Modeled after food recall
- 12 Categories
- 138 Sub-categories
- Uses NHANES Supplement Database



The ASA24 Demo

Alpha Version

- Login and Initial Screens
- Add a Meal and Add Foods to the Meal
- Answering the Detail Questions for Foods
- Final Review
- Supplements



Thank you!

