What's New in the NHANES Dietary Supplements Collection?



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National Health and Nutrition Examination Survey (NHANES)

Objective To assess the health and nutritional status of adults and children in the United States.

National Health and Nutrition Examination Surveys

Survey	Dates	Ages
NHES I	1960-62	18-79 years
NHES II	1963-65	6-11 years
NHES III	1966-70	12-17 years
NHANES I	1971-75	1-74 years
NHANES II	1976-80	6 mo74 years
HHANES	1982-84	6 mo74 years
NHANES III	1988-94	2 mo. +
NHANES	1999-	All ages

Goals of NHANES

- U.S. population-based estimates of:
 - Health conditions
 - Awareness, treatment and control of selected diseases
 - Environmental exposures
 - Nutrition status and diet behaviors

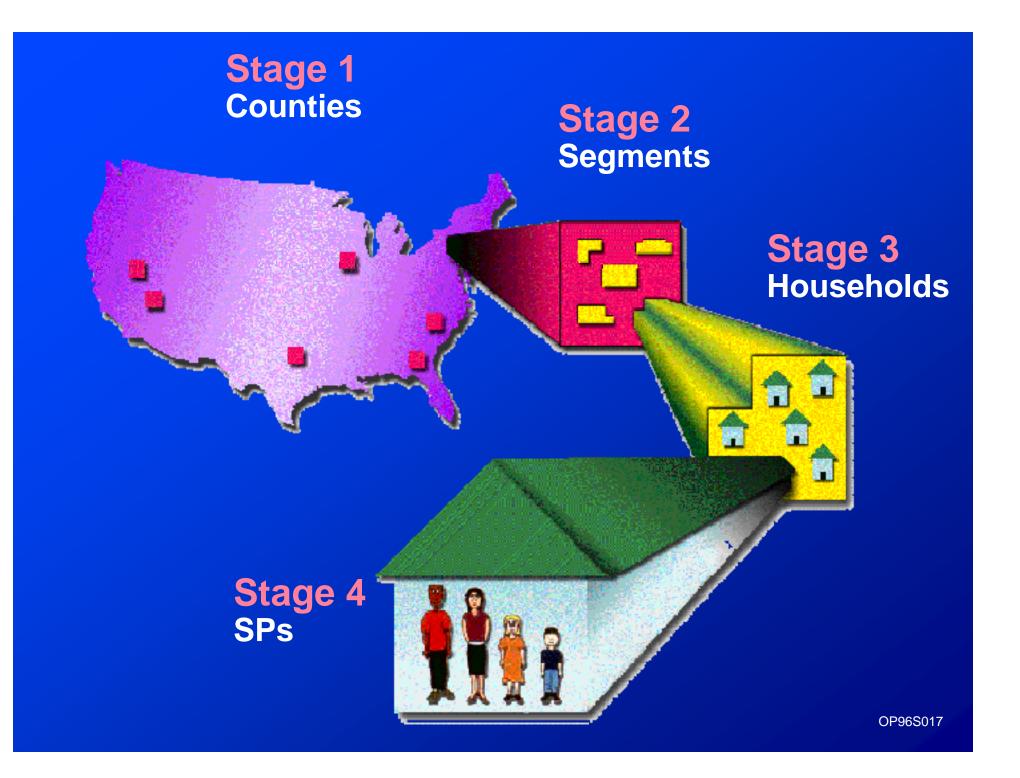


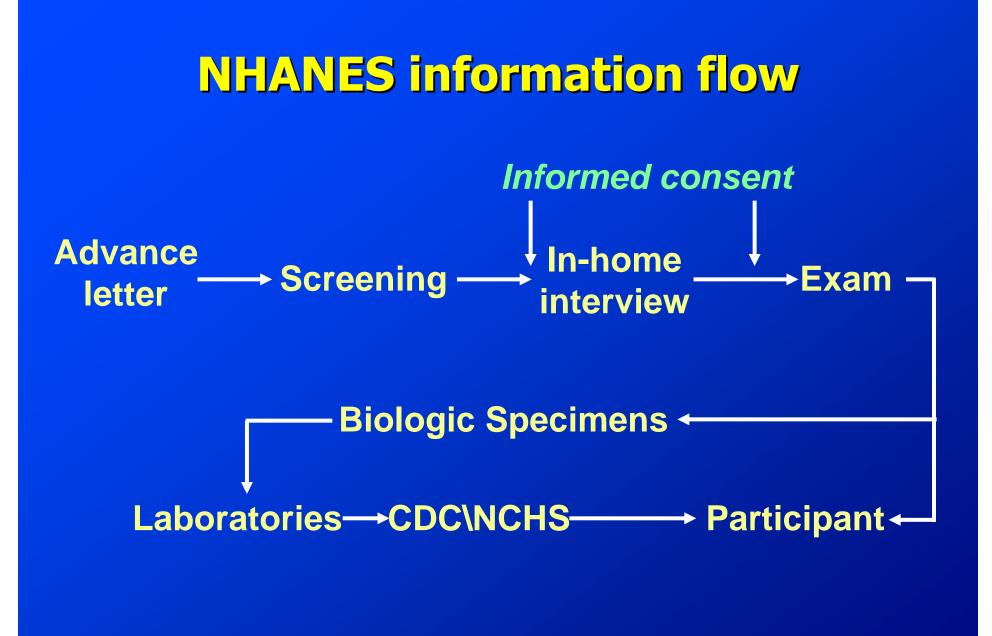
 Civilian, non-institutionalized household population in the United States

All ages

Oversample:

- African Americans
- Hispanics
- Older persons aged 60+
- Low income whites





NHANES Household Interview







- Doorstep screening
- Traditional CAPI interviewing with portable keyboard.

NHANES Mobile Exam Center



OP96S041

Cardiovascular health





Hearing and vision



Anthropometry and body composition







Private interviews













NHANES response rates



Interviewed MEC examined 81% 77%

What Dietary Supplements are Americans Taking?

- NHANES is working on answering this question by:
 - Collecting dietary supplements data from individuals in a national probability sample
 - Compiling a dietary supplement database of ingredients and amounts reported on product labels



Household Interview

- All ages (1999-present)
- Use of vitamins, minerals, herbals or other dietary supplements in the past 30 days, including prescription
- Use of antacids in the past 30 days
- Product usage
- New in 2007 reasons why they take the supplement

Matching a reported supplement to a known supplement

- NCHS nutritionists review supplement names recorded by interviewers
- Match reported supplement with supplement in our dietary supplement database.
- If we do not have the supplement label already in our database, or the label information is outdated we obtain the label by:
 - Contacting the manufacturers or distributors for the product label, company websites, or other internet sources

Information entered in our Dietary Supplement Database

- Supplement name
- Source of information (manufacturer, distributor, and other references such as the Internet and PDR.
- Product type (infant/pediatric, prenatal, geriatric, standard)
- Ingredient and dosage information
- Manufacturer and Distributor information
- Contact information

New in 2007

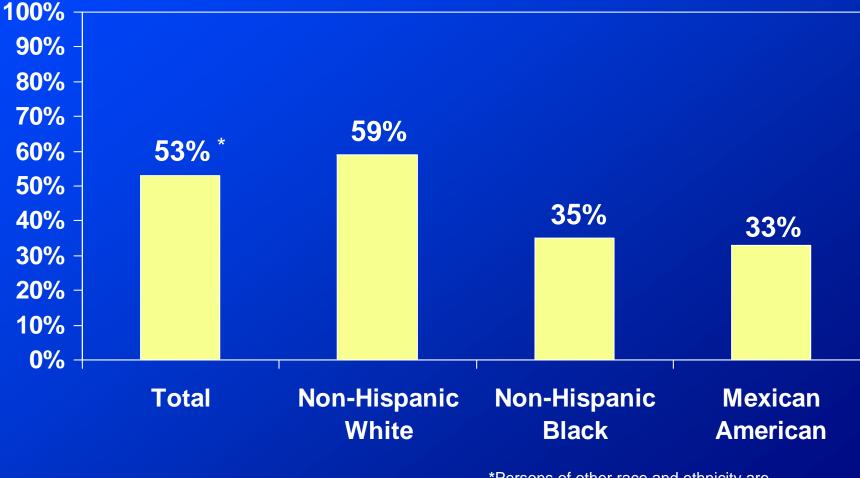
- All ages
- Dietary supplements taken during the same 24-hour period as dietary recall
- Two dietary recalls collected
 - Day of examination
 - 3-10 days later, phone interview

Forms Answer Navigate Options Help					
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DSA					
JOHN (25, M) Yr9.s219.v1					
The next questions are about your use of dietary supplements, vitamins, minerals, and herbals all day yesterday, Monday, between midnight and midnight. The prescription and over the counter dietary supplements. During the interview in your home you reported taking CALCIUM.					
Did you take this supplement yesterday, Monday, (between midnight and midnight)?					
[CONTINUE ASKING ABOUT EACH SUPPLEMENT LISTED IN TABLE]					
O1. Yes					
C 2. No					
Supplements Pick List 1st Nutrient Strength	2nd Nutrient Strength Container Seen Take	en Last 24 Hours Form Taken Quantity Take	en Unit Taken Unit Taken OS Liqu		
CALCIUM 600 MG	Yes				
VITAMINS A & D 1000 MG	200 MG Yes	.			
WALGREENSA T	Yes				
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Adult Supplement Use

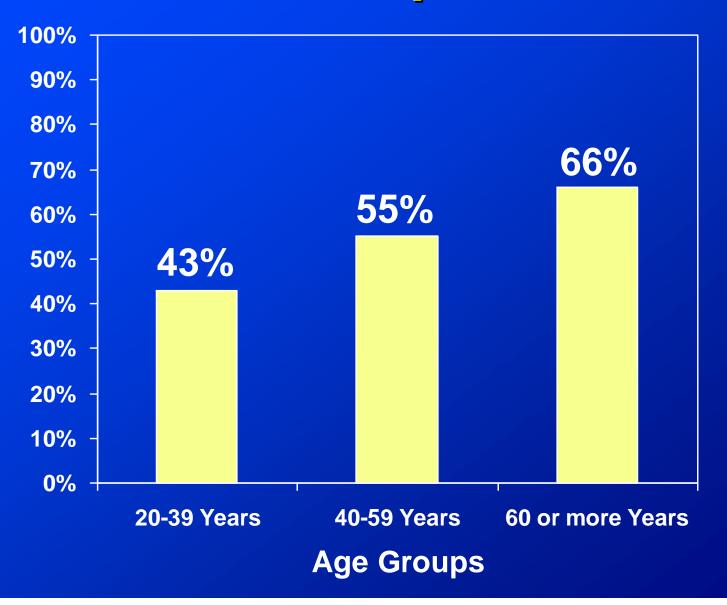
Survey	Total	Men	Women
NHANES I `71-73 (no ref time)	33%	28%	38%
NHANES II '76-80 (no ref time)	35%	32%	43%
NHANES III '88-94 (30 days)	NA	36%	48%
NHANES '99-04 (30 days)	53%	47%	58%

Prevalence of Adult (≥20) Supplement Use, by Race/Ethnicity: NHANES 1999-2004

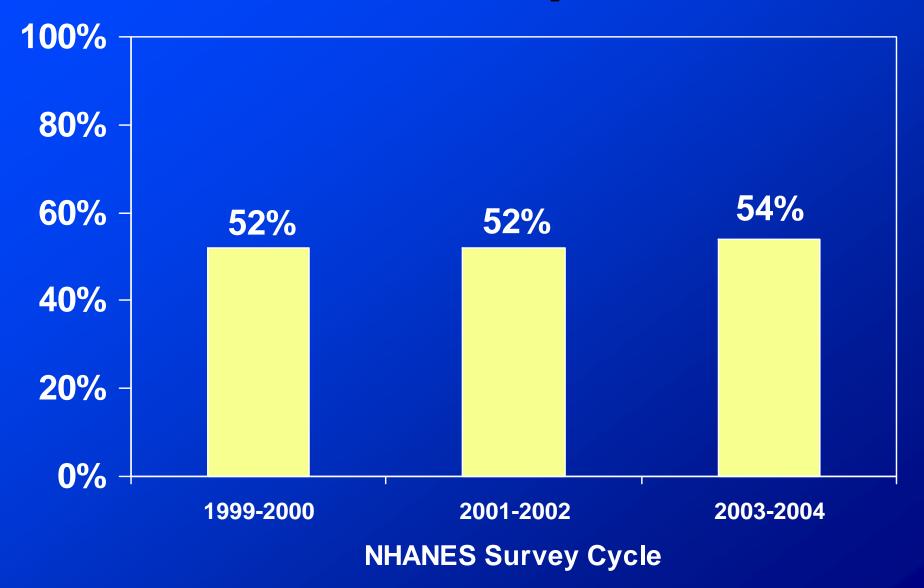


*Persons of other race and ethnicity are included in the total.

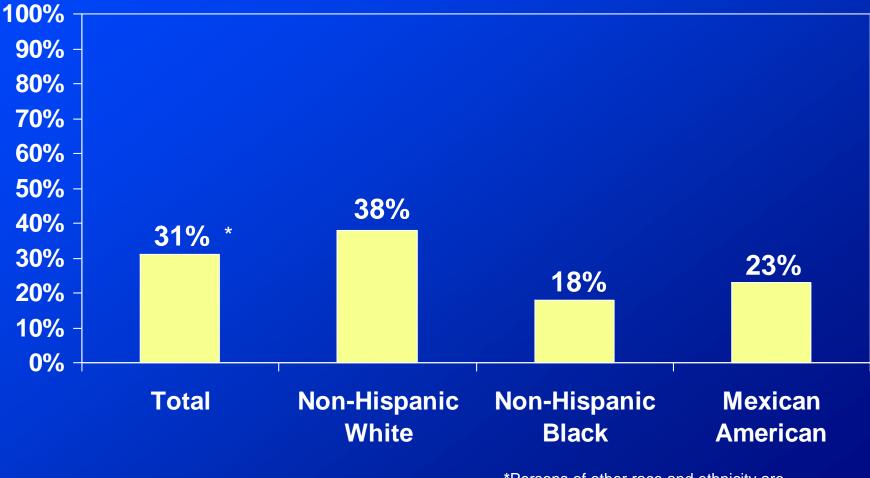
Adult Supplement Use, by Age Group



Adult Supplement Use, by NHANES Survey Years

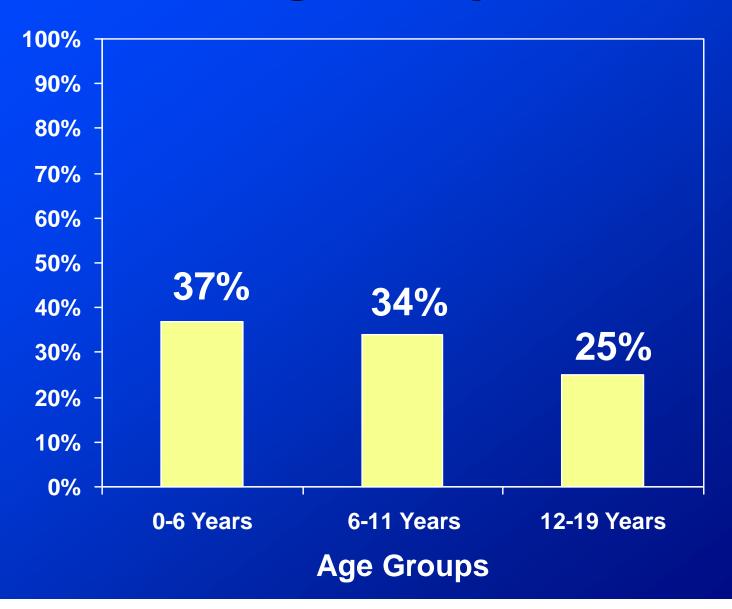


Prevalence of Supplement Use for Children (0-19), by Race/Ethnicity: NHANES 1999-2004

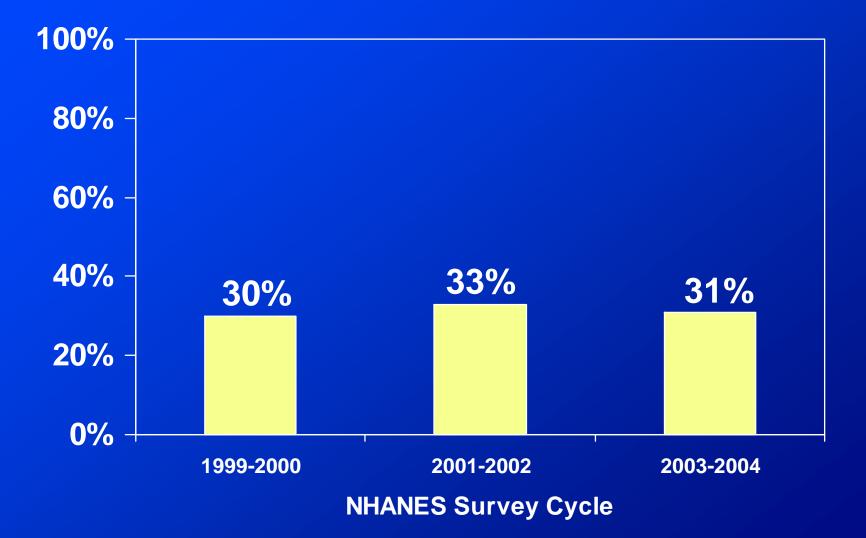


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Supplement Use for Children, by Age Group



Supplement Use for Children, by NHANES Survey Years



Data release process

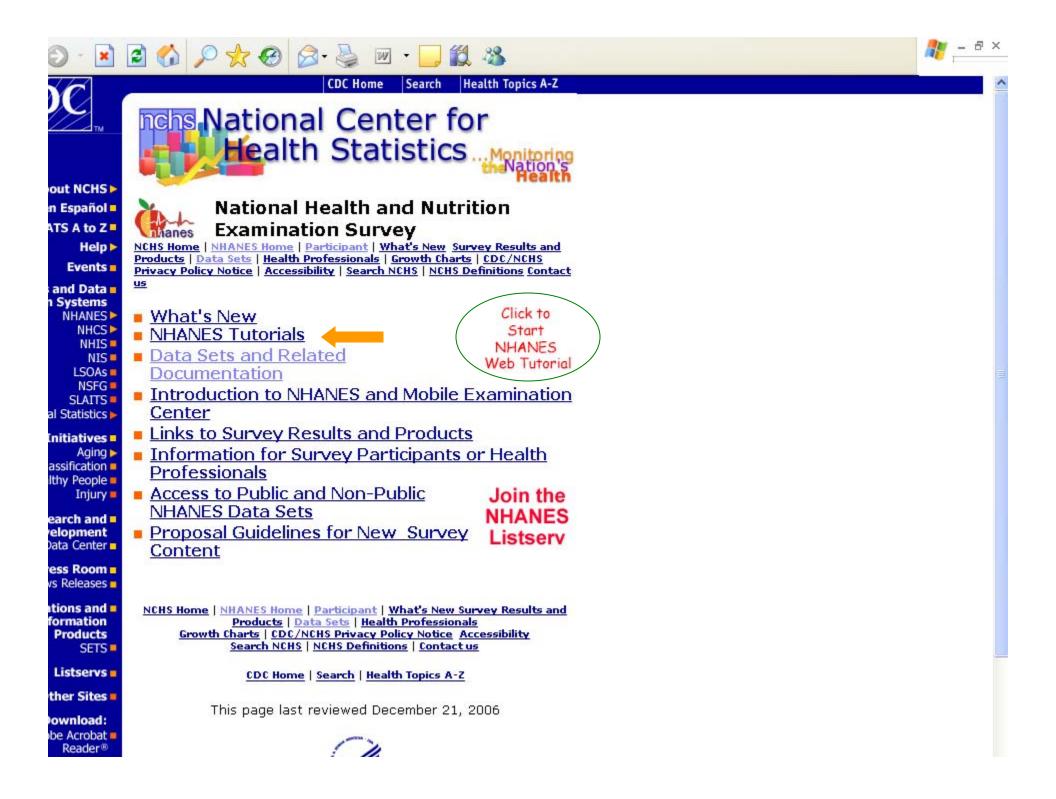
- QA/QC
- Editing/cleanup
- Weighting
- Data preparation
- Documentation
- Confidentiality review

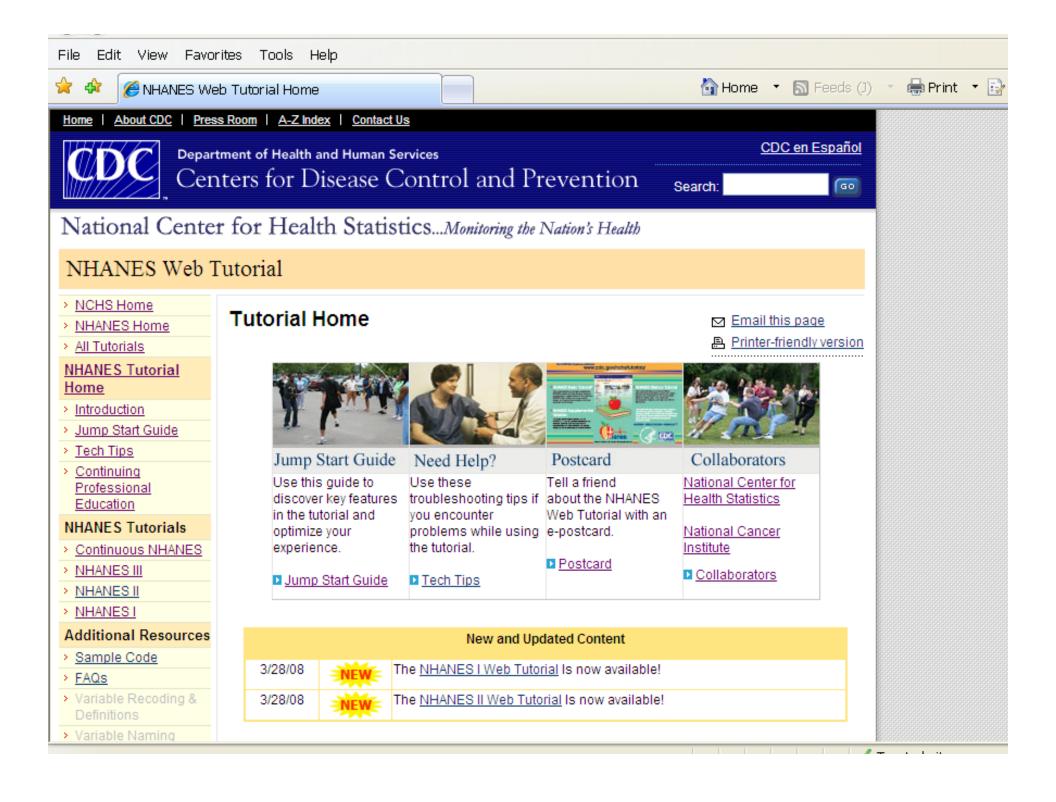
Survey data release schedule

- 2-year datasets
- Website data release
- Continuous NHANES data available:
 - 1999-2000
 - 2001-2002
 - 2003-2004
 - 2005-2006

Coming soon...

- Dietary Supplements Data 2005-2006
- 24 Hour Dietary Recall 2005-2006
- Food Frequency 2005-2006





Canadian Health Measures Survey-NHANES Partnership

- Collaboration began at the inception of CHMS
- Numerous joint meetings—e. g., general procedures, biospecimen storage
- CHMS staff attended NHANES training and participated in NHANES dry-runs
- NCHS representation on CHMS committees
- Sharing of protocols and experiences
- NHANES assistance with trailer design, manufacture and set-up and loan of 2 trailers

CHMS-NHANES Partnership: Next Steps

- Facilitate further collaboration
- Ensure data comparability
- Share lessons learned from CHMS
- Develop comparative analyses
- Preserve corporate memory

Climate Challenges U.S. CANADA



www.statcan.ca/chms



http://www.cdc.gov/nchs/nhanes.htm