
The Continuous National Survey of Family Growth: A Preview of the 2006-08 Public Use Files

Population Association of America
2010 Annual Meeting
Dallas, Texas
April 15, 2010

Outline of Workshop

- Background
- How Continuous Interviewing is done
- Current schedule for file releases
- Content of the 2006-8 data file & changes since 2002
- Overview of User Tools for 2006-08 files

- Questions and Discussion

NSFG history in brief

Cycle	Year	Scope	n	Over-Samples	Average Length	Contractor
1	1973	Ever-Married Women 15-44	9,797	Black Women	60 Min	NORC
2	1976	Ever-Married Women 15-44	8,611	Black Women	60 Min	Westat
3	1982	All Women 15-44	7,969	Black Women Teens	60 Min	Westat
4	1988	Women 15-44	8,450	Black Women	70 Min	Westat
5	1995	Women 15-44	10,847	Black Women Hispanic Women	100 Minutes	RTI
6	2002	Women 15-44 Men 15-44	12,571 W = 7,643 M = 4,928	Blacks Hispanics Ages 15-19	W= 85 M= 60	U of Michigan
n/a	Continuous	Women 15-44 Men 15-44	5,000 per year	Blacks Hispanics Ages 15-19	W=80 M=60 min	U of Michigan ³

The NSFG is paid for by 8 programs in the US Dept of HHS

- **National Center for Health Statistics (NCHS)**
- **NICHD/Center for Population Research**
- **Office of Population Affairs (OPA)**

- Assistant Secretary for Planning & Evaluation
- Children's Bureau (Admin for Children & Families)
- CDC's Division of HIV/AIDS Prevention
- CDC's Division of STD Prevention
- CDC's Division of Reproductive Health

Key NSFG Data Products

All will be released this year & again next year

- Web site (2,000- 4,000 hits per month)
 - “Key Statistics” (half of web site visits), for a “quick statistic” on specific topics
- Reports on the findings of the survey (for teachers, students, and others who want more information on a topic)
- Data and documentation files:
 - a) Public use data files & documentation
 - b) ACASI data files & documentation(free on request).
 - c) Contextual Data files & documentation

National Survey of Family Growth



- National Survey of Family Growth**
- About NSFG
- What's New
- Questionnaires, Datasets, and Related Documentation
- Key Statistics from NSFG
- Publications and Information Products
- Bibliography
- Listserv

[NCHS Home](#) > [Surveys and Data Collection Systems](#)

The National Survey of Family Growth (NSFG) gathers information on family life, marriage and divorce, pregnancy, infertility, use of contraception, and men's and women's health. The survey results are used by the U.S. Department of Health and Human Services and others to plan health services and health education programs, and to do statistical studies of families, fertility, and health. Links to some of those studies are included on this web site, under "[Publications and Information Products](#)."

Selected Participants

Have you been selected to take part in the National Survey of Family Growth?

Related Sites

- [Surveys and Data Collection Systems](#)
- [Vital Statistics: Birth Data](#)

What's New

- NSFG CAPI-Lite Questionnaires for 2006-2008 now available for download (3/30/2010)

Publications

- Marriage and Cohabitation in the United States: A Statistical Portrait Based on Cycle 6 (2002) of the National Survey of Family Growth [PDF - 806 KB] (3/2/2010)
- Estimated Pregnancy Rates for the United States, 1990-2005: An Update [PDF Version - 1.1 MB] (10/2009)
- Planning and Development of the Continuous National Survey of Family Growth [PDF - 1.4 MB] (10/2009)
- Who Marries and When? Age at first Marriage in the United States; 2002 (6/2009)

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- [Emergency contraception](#) - See also [Contraception](#)

F

- [Family planning services](#)
- [Fathers/Fatherhood](#) - See also [Births \(fathers\)](#)
 - [Fatherhood](#)
 - [Father involvement](#)
- [Fertility](#) - See [Births \(mothers\)](#) and [Births \(fathers\)](#)
- [Forced intercourse](#)

KEY STATISTICS

H

- [HIV risk](#) - See [STD/HIV risk](#)
- [HIV testing](#) - See [STD treatment/HIV testing](#)
- [Hysterectomy](#) - See also [Sterilization \(female\)](#)

I

- [Impaired fecundity](#)
- [Implant contraceptives](#)
- [Infertility](#)
- [Infertility services](#)
- [Injectable contraceptives](#) (Depo-Provera™ and Lunelle™) - See also [Contraception](#)

Injectables

Key Statistics from the NSFG (from A to Z)

The screenshot shows a Windows Internet Explorer browser window. The address bar displays the URL http://www.cdc.gov/nchs/data/series/sr_23/sr23_025.pdf. The browser's menu bar includes File, Edit, Go To, Favorites, and Help. The toolbar contains various icons for navigation and printing. The main content area displays the title page of a report from the CDC, featuring the CDC logo and the slogan "SAFER • HEALTHIER • PEOPLE™". The report title is "Fertility, Family Planning, and Reproductive Health of U.S. Women: Data From the 2002 National Survey". A yellow box contains a note: "In tables 61, 74, 77, 80, and 85-96, data by 'Metropolitan Residence' are revised. In Appendix II, the definition of 'Metropolitan Residence' is revised." The left sidebar shows a table of contents with items like Contents, Figures, Text Tables, Detailed Tables, Acknowledgments, Highlights, Introduction, Methods, Results, References, Appendix I. Technical M, and Appendix II. Definitions. The bottom status bar shows "1 of 174" and "Unknown Zone". The Windows taskbar at the bottom includes the Start button, several application icons, and the system tray showing the time as 8:46 AM.

http://www.cdc.gov/nchs/data/series/sr_23/sr23_025.pdf - Windows Internet Explorer

http://www.cdc.gov/nchs/data/series/sr_23/sr23_025.pdf

File Edit Go To Favorites Help

http://www.cdc.gov/nchs/da... http://www.cdc.gov/nch...

66%

Options

Bookmarks

- Contents
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 - Detailed Tables
- Acknowledgments
- Highlights
- Introduction
- Methods
- Results
- References
- Appendix I. Technical M
- Appendix II. Definitions

Signatures

Pages

Attachments

Comments

Monitoring the Nation's Health

SAFER • HEALTHIER • PEOPLE™

In tables 61, 74, 77, 80, and 85-96, data by "Metropolitan Residence" are revised. In Appendix II, the definition of "Metropolitan Residence" is revised.

ICS September 2005

Fertility, Family Planning, and Reproductive Health of U.S. Women: Data From the 2002 National Survey

1 of 174

Downloading (3.14 MB of 4.58 MB) : http://www.cdc.gov/nchs/data/series/sr_23/sr... Unknown Zone

start

K. N. h.

8:46 AM

Users of NSFG 2002 data have published at least 170

Reports & articles (as of April 2010)

- 2 large multi-topic reports (100+ tables each)
- Fertility: 15 reports & articles
- Cohabitation, marriage, divorce, adoption: 16

- Contraceptive use & sterilization: 21
- Unintended pregnancy: 15
- Sexual behavior, HIV/STD risk, HIV tests: 28

- Infertility, health, health services: 21
- NSFG methodology: 8
- Teenagers: sex, contraception, etc: 34
- 2002 NSFG used as a benchmark: 10

User training and Outreach efforts in 2010 & 2011

- PAA Workshop (Dallas, April 15 – here we are!)
- NCHS “National Conference on Health Data & Statistics,” in DC, August 16-18 (FREE). Please consider attending!
- Workshop proposed for MCH-Epi (December, San Antonio, TX)
- User workshops:
 - NCHS University Visitation program
(www.cdc.gov/nchs/products/catalogs/unipres.htm)
 - Possible NSFG Research Conference or User Workshop at NCHS next year.

Overview: 2002-2010

1. NSFG's expansion to men in 2002 expanded its uses for both public health & social science research, but there were trade-offs:

More complex field procedures (harder job for interviewers) to learn 2 different questionnaires and signed consent for everyone (minors & adults).

More complex data file (harder to get out quickly) Public use file has 6,600 variables & complex skip patterns.

A need for larger sample sizes to produce reliable statistics for both men and women, in an extremely tight budget environment.

Overview: 2002-2010

2. In 2004, we decided to move to continuous interviewing to generate larger n's and more frequent data within our existing budget.
3. So far, continuous interviewing has been a success: larger n's at lower cost per interview: 13,495 released shortly.
over 7,500 more already interviewed.

Goals of Continuous Interviewing

- Collect more interviews without increasing survey costs.
(Responsive survey design using paradata-driven survey management; stable survey content)
- Allow analysis of small sub-groups by combining adjacent years. (like they do in the ACS)
- Respond sooner to emerging data needs, *while maintaining stability of key time series*
- Release data more frequently.

How Continuous NSFG is Conducted

- Face-to-face interviewing with laptop computers.
- Screen to locate 15-44 year olds (56% of households).
- One person 15-44 is selected per household.
- Female interviewers, trained for 1 week.
 - Smaller number of interviewers (about 40 in field at any time, instead of >100).
- \$40 Incentive for the interview

- Interviews conducted in 85 PSUs (Primary Sampling Units) over 2006-08. Standard errors using this file will be higher for subgroups than with Cycle 6.
- With the 2nd data release, containing all 110 PSUs (2006-2010), standard errors should be similar to or better than Cycle 6.

How Continuous NSFG is Conducted (cont'd)

Starting in late June 2006:

4 field periods of 12 weeks each per year

In each 12-week period, we:

- Set a budget in terms of interviewer hours.
- Interviewers record data about fieldwork (hours worked, outcomes for each case).
- Report it electronically every night.
- Use the paradata to ration hours & allocate effort.
- Phase 1 (weeks 1-10) – normal procedures
- Phase 2 (weeks 11-12) – double sample with 1/3 sample of remaining non-respondents. (*Note effects on weights and variances.*)

The Big Picture: 2006+

- We are interviewing about 5,500 men and women 15-44 each year with a 75% response rate.
- The first data file from continuous interviewing is expected out in **May 2010: 13,495** interviews collected June 2006-Dec 2008.
- You will analyze the first data file the same way you have always analyzed the NSFG.
 - Recall: With 2006-08, standard errors for subgroups will be higher than in Cycle 6
- Content changes between 2002 and 2006-2008 were incremental (not major).
- **A 2nd, cumulative data file will come out in 2011 with about 22,500 interviews from 2006-2010**
 - Recall: More analyses on subgroups will be possible with the 2nd release, 2006-2010. Standard errors expected to be same or better than Cycle 6.

First Data File
Continuous interviewing
2006-08

Sample sizes in the 2002 & 2006-8 data sets

	2002	2006-8	Change
Total	12,571	13,495	+924
Male	4,928	6,139	+1211
Female	7,643	7,356	-287
Teen	2,271	2,785	+514
Black	2,460	2,451	-9
Hispanic	2,712	2,874	+162

Response rates for the NSFG 2006-2008

	Males	Females
Total	73%	76%
Black	74%	80%
Hispanic	70%	78%
White & other	74%	75%
Teens (15-19)	75%	77%

Overall 75%

When will the data files be released?

- The main public use files will be released in May 2010.

Our best estimates for the other files:

- The ACASI files has to be cleared and prepared separately: released around August 2010.
- The Contextual Data File should be ready to send to the NCHS RDC (Research Data Center) in Fall 2010.

If you want state of residence, characteristics of the respondent's county, or other geographic information, you have to use the RDC. But using the RDC is getting easier.

User Tools for 2006-08 NSFG

- Data files and program statements for different statistical packages
- Codebook documentation
- User's Guide
- Questionnaires

- NCHS reports providing background on continuous NSFG:
 - R Groves, W Mosher, J Lepkowski, N Kirgis. *Planning & Development of the Continuous National Survey of Family Growth, 2006-08*. Vital & Health Statistics, Series 1. Sept 2009
 - J Lepkowski, W Mosher, K Davis, R Groves. *Sample Design, Sampling Weights, Imputation, and Variance Estimation*. Vital & Health Statistics, Series 2. May 2010.

NSFG Public Use Data Files for 2006-08

Female Respondent File

1 record per respondent
7,356 records

Male Respondent File

1 record per respondent
6,139 records

Pregnancy File

1 record per pregnancy
12,221 pregnancies
reported by female
respondents

Female ACASI File

Male ACASI File
(coming Aug 2010)

1 record per respondent

NSFG Documentation for 2006-08

(all accessible from www.cdc.gov/nchs/nsfg.htm)

- **Codebooks** (entries for every variable on the 3 data files)
 - Web-doc: interactive, online, searchable
 - PDF files on webpage and on CD-ROM
- **User's Guide**
 - Part 1: Overview
 - Part 2: Topic-specific and file-specific notes for analysts
 - 7 Appendixes
- **Questionnaires in 2 formats:**
 - CAPI-Lite Questionnaires (already released on web in March '10)
 - CAPI Reference Questionnaires (CRQs) (released with data files)

User's Guide – Part 1 (the overview)

- Background on the continuous NSFG
- Organization of the data files
- Sample weights and variance estimation

- Preparation of interview data for public use
 - *Coding for DK, RF, and “not ascertained” answer*
 - *Century month coding (month&year) for all dates*
 - *Other-specify coding*
 - *Recodes and imputation*
 - *Protections to minimize risk of disclosure*

User's Guide – Part 1 (the overview, cont'd)

Description of Codebooks

- Variable types
 - *Raw/Asked questions*
 - *Computed variables*
 - *Post-processing, unimputed variables*
 - *Recodes (imputed)*
- Question text or short descriptions of variables
- Universe statements (“app specs”)
- Response categories and unweighted frequencies

Description of Questionnaires (2 formats)

Types of variables provided on the data files

Raw: Most variables are raw, corresponding to asked questions.
Rarely edited; never imputed.
May have some missing data (DK/RF values).

Blaise-computed: Defined by the survey program during the interview primarily to help with routing and consistency checks.
Some may be included in the data set.
See “CRQ” for definitions.

Post-Processing Variables:

created after data collection, but not imputed
intended to assist users (e.g., chronologically arranged data on men’s biological children)

Recode: Constructed variables where missing values are imputed.
Imputation flags indicate whether & how imputation was done.
Best to use recodes when available. Specs provided in User’s Guide.
See also “Recode Crosswalks” in User’s Guide.

User's Guide – Part 2

- **Topic-specific information** such as:
 - *Abortion under-reporting for women*
 - *Births reporting quality for women*
 - *Sex education topics covered*
- **File-specific information** on particular variables or series that may help in your analyses
 - Data issues or problems
 - Guidance on how variables are mapped (e.g., family planning services, method use)
 - Variables edited to minimize risk of disclosure

User's Guide has 7 Appendixes

(red = new since 2002 documentation)

- 1) File Indexes for each of the 3 data files
- 2) SAS & Stata syntax guidance for common file manipulations
- 3) Recode Specifications
- 4) Recode Crosswalks (M/F and across NSFG years)
- 5) Summary of Questionnaire Changes
- 6) FAQ for the NSFG
- 7) List of Restricted-Use Variables available through RDC (not contextual data)

NSFG

Cycle 7

- Female Respondent File Codebook ▶
- Female Pregnancy File Codebook ▶
- Male Respondent File Codebook ▶

National Survey of Family Growth, Cycle 7

Search: in all files

Search feature for key words or question numbers; can check by file

[NSFG Cycle 7](#) :: [Male File](#) :: [Male Recodes](#) :: [Section K](#)

Each codebook entry anchors you to file, section, series, etc.

POVERTY ()

Variable Type : Recode

Description : Poverty level income (RECODE)

value label	Total
000-099 0-99 percent of poverty level	1078
100-199 100-199 percent of poverty level	1325
200-299 200-299 percent of poverty level	1130
300-399 300-399 percent of poverty level	989
400-499 400-499 percent of poverty level	776
500 500 percent of poverty level or greater	841
Total	6139

Recode specs excerpt from Appendix 3 of User's Guide

Universe : Applicable for all respondents. (This variable has been topcoded for public use.)

Recode specs: [pdf](#)

[prev](#) [next](#)

[http://staging.icpsr.umich.edu/webdocs/Controller?displayPage=labelDetails&fileCode=FEM§ion=A&subSec=6678&srL](#)
Google

File Edit View Favorites Tools Help
 Convert Select

NSFG Cycle 7 Webdocs
Home RSS Print Page

[Female Respondent File Codebook](#)

[Female Pregnancy File Codebook](#)

[Male Respondent File Codebook](#)

[NSFG Cycle 7 :: Female File :: Section A :: Marital/Cohabiting Status \(AB\)](#)

MARSTAT ()

Variable Type : Raw

AB-1 : Year 1: Now I'd like to ask about your marital status. Please look at Card 1. What is your current marital status? Starting in Year 2: Now I'd like to ask about marital status and living together. Please look at Card 1. What is your current marital or cohabiting status?

Question variants for this item changed starting in Year 2.

value label	Total
1 Married	2479
2 Not married but living together with a partner of the opposite sex	812
3 Widowed	26
4 Divorced	471
5 Separated, because you and your spouse are not getting along	269
6 Never been married	3299
Total	7356

Universe : Applicable for all respondents

Notes : use recode [RMARITAL](#)

Reference to recode variable.

Female Respondent
File Codebook

Female Pregnancy
File Codebook

Male Respondent
File Codebook

search

[NSFG Cycle 7 :: Pregnancy File :: Section B](#)
[recodes](#)

OUTCOME (372-372)

Variable Type : Preg recode

Description : Pregnancy outcome (recode)

value	label	Total
1	LIVE BIRTH	8471
2	INDUCED ABORTION	1428
3	STILLBIRTH	94
4	MISCARRIAGE	1726
5	ECTOPIC PREGNANCY	172
6	CURRENT PREGNANCY	330
	Total	12221

Universe : Applicable for all pregnancies

Recode specs: [pdf](#)

[prev](#) [next](#)

[Diagnostics](#)

[CDC Home](#) | [NCHS Home](#) | [NSFG Home](#)



U.S. DEPARTMENT OF HEALTH
Centers for Disease Control and Prevention

OUTCOME** : "Pregnancy outcome"

This recode assigns a single outcome code to each pregnancy, even if the pregnancy had multiple outcomes. If there were multiple outcomes, OUTCOME gives the following

live birth (either vaginal or Cesarean delivery)
induced abortion
stillbirth
miscarriage
ectopic pregnancy

The raw variable indicating pregnancy outcome is BC-1 PREGEND, and for each pregnancy up to 6 outcomes are recorded. Based on final (thus far) Cycle 7 data there were no pregnancies with more than 3 outcomes reported (PREGEND1, PREGEND2, and PREGEND3). There is also a Blaise-computed variable prgoutcome defined in Flow Check B-42a that indicates whether the pregnancy ended in live birth (code 1), ended in non-live birth (code 2), or is a current pregnancy (code 3). The computed variable outcome_s has the same code categories as prgoutcome, but reflects the pregnancy outcome after all key details about the pregnancy, including pregnancy order, have been verified and corrected in Section B summary screens.

SAS logic:

```
If outcom_s=. then OUTCOME=-1;
Else if outcom_s = 1 then OUTCOME = 1;
Else if outcom_s = 3 then OUTCOME = 6;
Else if outcom_s = 2 then do;
If PREGEND1=3 or PREGEND2=3 or PREGEND3=3 then OUTCOME = 2;
Else if PREGEND1=2 or PREGEND2=2 or PREGEND3=2 then OUTCOME = 3;
Else if PREGEND1=1 or PREGEND2=1 or PREGEND3=1 then OUTCOME = 4;
Else if PREGEND1=4 or PREGEND2=4 or PREGEND3=4 then OUTCOME = 5;
Else if PREGEND1=dk/rf then do;
If BC-1b HOWENDDK=1 (live birth) then OUTCOME=1;
```

[http://staging.icpsr.umich.edu/webdocs/Controller?displayPage=labelDetails&fileCode=FEM§ion=C&subSec=6614&srLc](#)

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[NSFG Cycle 7 Webdocs](#)

NSFG

Cycle 7

- [Female Respondent File Codebook](#)
- [Female Pregnancy File Codebook](#)
- [Male Respondent File Codebook](#)

National Survey of Family Growth, Cycle 7

Search: in all files

[NSFG Cycle 7 :: Female File :: Section C :: Husbands \(CB\)](#)

cmmarrhx ()

Variable Type : Computed

Description : Century Month for Date of 1st Marriage (Computed in Flow Check C-7)

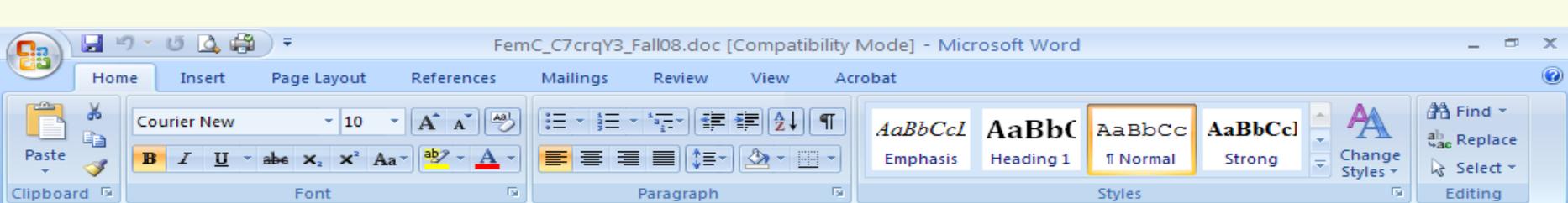
value	label	Total
.	INAPPLICABLE	3939
522-1278	Before July 2006	3207
1279-1290	July 2006-June 2007	121
1291-1308	July 2007-Dec 2008	80
9998	Refused	4
9999	Don't know	5
	Total	7356

Universe : Applicable if R has ever been married ([fmarit](#) = 1, 2, 3, or 4)

Notes : see recodes MARDAT01-MARDAT05

[prev](#) [next](#)

Description of computed variable indicates Flow Check in CRQ where the definition can be found.



**Female
Flow check C-7**

```
FLOW CHECK C-7: COMPUTE CMMARRHX (where X = MARRCNTR) :  
                  (Century month for date of marriage to husband X)  
  
                  SET CMMARRHX = null/blank.  
  
                  IF WHMARHX_Y = RF, SET CMMARRHX = 9998 (RF) .  
                  ELSE IF WHMARHX_Y = DK, SET CMMARRHX = 9999 (DK) .  
  
                  ELSE IF WHMARHX_M LE 12,  
                  COMPUTE CMMARRHX = (WHMARHX_Y - 1900)*12 + WHMARHX_M  
  
                  ELSE IF 13 LE WHMARHX_M LE 16, USE MONTH APPROPRIATE  
                  TO SEASON & COMPUTE CMMARRHX AS ABOVE.  
  
                  ELSE IF WHMARHX_M = DK OR RF, ASSIGN MONTH = 6 (June)  
                  & COMPUTE CMMARRHX AS ABOVE.  
  
IF CMMARRHX NE BLANK, ESTABLISH CMMARRHX_FILL AS FOLLOWS:  
  
IF CMMARRHX = BLANK, DK, OR RF, SET CMMARRHX_FILL =  
"DATE UNKNOWN."  
  
ELSE IF CMMARRHX LT 9996, DEFINE CMMARRHX_FILL as  
follows:  
  
IF 1 LE WHMARHX_M LE 12, THEN ESTABLISH MO/YR  
FILL IN THE FORMAT "1/1998" etc.  
  
ELSE IF MONTH WAS REPORTED AS A SEASON (codes  
13-16), THEN ESTABLISH FILL IN THE FORMAT  
"SPRING, 1998" etc.  
  
ELSE IF MONTH WAS REPORTED AS DK OR RF, BUT YEAR  
WAS REPORTED, THEN ESTABLISH FILL BASED ONLY ON  
THE YEAR IN THE FORMAT "1998" etc.  
  
Edit Check CB1_1: IF (WHMARHX_M LE 12) AND CMMARRHX > CMINTVW, DISPLAY:  
The date entered cannot be after the date of
```



CAPI-lite

{ ASKED FOR ALL

HLPMC

HB-1. (Not counting routine check-ups, prenatal care, or advice about a pregnancy,) have you ever been to a doctor or other medical care provider to talk about ways to help you prevent miscarriage or pregnancy loss?

- Yes 1
- No 5 (GO TO HB-4 INFRTPRB)

CRQ

HLPMC

HB-1. **IF EVERPREG = YES, ASK:**
Not counting routine check-ups, prenatal care, or advice about a pregnancy, have you ever been to a doctor or other medical care provider to talk about ways to help you prevent miscarriage or pregnancy loss?

ELSE IF EVERPREG = NO, ASK:
Have you ever been to a doctor or other medical care provider to talk about ways to help you prevent miscarriage or pregnancy loss?

[HELP AVAILABLE]

- Yes 1
- No 5 (Flow Check H-11)

CAPI-lite

{ASKED IF R WANTED TO HAVE A(NOTHER) BABY IN THE FUTURE

TIMINGOK

EG-10. So would you say you became pregnant too soon, at about the right time, or later than you wanted?

- Too soon..... 1
- Right time.....2
- Later.....3
- Didn't care.....4

CRQ

FLOW CHECK E-74: IF EG-6 WANTBOLD=YES OR EG-7 PROBBABE=YES OR EG-9 WANTBLD2 = YES, ASK EG-10 TIMINGOK.
 ELSE, (IF EG-6 WANTBOLD NE YES AND EG-7 PROBBABE NE YES AND EG-9 WANTBLD2 NE YES) GO TO FLOW CHECK E-74a.

TIMINGOK

EG-10. So would you say you became pregnant too soon, at about the right time, or later than you wanted?

[HELP AVAILABLE]

- Too soon..... 1
- Right time.....2 (GO TO FLOW CHECK E-74a)
- Later.....3 (GO TO FLOW CHECK E-74a)
- Didn't care.....4 (GO TO FLOW CHECK E-74a)

**Content of the
NSFG Questionnaires:
A quick summary**

Female questionnaire (2002 and 2006-8)

- A. Age, race, education, family & parental background
- B. Pregnancy history, care of non-biological kids, & adoption
- C. Marital & cohabitation history; first sexual partner; sex education; sexual partner history for last 12 months
- D. Sterilization operations; fecundity impairments
- E. Contraceptive history; all methods ever used, first method used, methods used in last 3 years, partner-specific use, consistency of recent condom use; wantedness of births (old & new measures)

Female questionnaire (2002 & 2006-8)

- F. Use of medical services for birth control & for general health
- G. Desires & intentions to have children in the future
- H. Infertility services; reproductive health conditions; HIV testing
- I. Health insurance; religion; work; child care; attitudes on sex, parenthood & marriage
- J. Audio Computer-Assisted Self-Interview (ACASI)

Male questionnaire (2002 & 2006-8)

- A. Age, race, education, family & parental background; numbers of wives & cohabiting partners
- B. Ever had sex; sex education; ever had a child; number of partners in lifetime and last 12 months; vasectomy; infertility; dates of 3 most recent partners in last 12 months or last sex ever
- C. Current wife or cohabiting partner: characteristics; children with her; contraceptive use
- D. 3 most recent partners in last 12 months; children with them; contraceptive use; first sexual partner ever
- E. Former wives and first premarital cohabiting partner; children with them; contraceptive use

Male questionnaire (2002 & 2006-8)

- F. Other births and pregnancies fathered: characteristics of their mothers
- G. Activities with biological and adopted children respondent lives with, and does not live with
- H. Desires and intentions to have children in the future
- I. Health insurance; health conditions; use of family planning, infertility, and other health care services; HIV testing
- J. Religion; military service; work; attitudes on sex, marriage, parenthood
- K. Audio Computer-Assisted Self-Interview (ACASI)

Definition of sex in CAPI vs. ACASI

- CAPI (interviewer-administered part of the interview):
Heterosexual vaginal intercourse
Sex ⇔ Risk of Pregnancy
- New in Cycle 6, ACASI asks about:
Opposite sex and same sex partners
All types of sexual activities (vaginal, oral & anal)
Sex ⇔ Risk of STI or HIV

Types of data collected in Audio CASI

- Pregnancies ever had or fathered
- Alcohol, smoking (females only), and drug use in last 12 months
- Vaginal, oral, and anal sex with opposite-sex partners
- Same-sex sexual experience (greater detail for males)
- Non-voluntary vaginal intercourse (18-44 only)
- HIV/STI risk behaviors; STI history
- Sexual orientation and attraction
- Income and public assistance received

**Changes in the questionnaires
between 2002 and 2006-8**
(see Appendix 5 in User's Guide)

Rationale for Questionnaire Changes between 2002 and 2006

- **Fixing errors** in the specs or in the CAPI program noted in 2002 data (e.g., marriage dissolution routing error)
- **Simplifying sections** that were too complex to program, test, or administer (but not at expense of cost, delay, or damage to time series)
- **Increasing comparability** of key data for males and females
- **Improving edit checks** to detect and try to resolve inconsistent answers in the field
- **Addressing emerging data needs** (e.g., monitoring new contraceptive methods, new approaches to HIV testing)

Changes in CAPI (interviewer-admin) questions between 2002 and 2006

FEMALES

- Life History Calendar was simplified
- Recent partner history (Section C) was simplified for greater comparability with males
- New BC methods included -- Essure, Implanon, Nuva-Ring

MALES

- Sex education questions moved so that timing of instruction (before or after first sex) can be determined.
- Incorporated newer female birth control methods

HIV testing series updated for males & females (starting in 2006, Year 1)

- Questions added on:
 - Rapid testing (and when R learned of results)
 - Mode of testing
- Post-test counseling topics refined
 - Reasons for test, & where test performed
- Other-specify fields restored for key items
 - (cut in 2002 to save money)

Questions introduced in CAPI in 2007 (Year 2)

N's are smaller because these were not asked in the first year. You will need to use different weights for these variables.

FEMALES

- Cesarean delivery upon maternal request
- Direct questions on numbers of biological children with each husband or cohabiting partner
- How/where emergency contraception was obtained
- Open-ended questions on reasons discontinued selected methods
- Knowledge of HPV & vaccine (Gardasil); use of this vaccine (women < 25 and mothers of daughters 9-18)

MALES

- Questions on care of kids not his own now asked of most non-bio kids (not just those he legally adopted)
- New question on phone & e-mail contact with non-resident kids.

ACASI series expanded for males & females

2006:

- Individual earnings added to series on household income
- Pregnancy “reporting” in female ACASI modified to make it easier to measure abortion under-reporting
- Crystal meth added to drug series
- Chlamydia testing in last 12 months added to female ACASI

2007: (reduced n's)

- School suspension/expulsion questions restored for 15-24
- Numbers of sexual partners in past year, by type of sexual contact (vaginal, oral, anal)
- Vaginal & oral sex for 15-24: which was first?
- Sexual orientation question: category labels clarified

2006-08 ACASI Files will be handled same way as in Cycle 6

- The data and documentation will be available on request and without charge.
- You need to Provide:
 - a signed User Agreement (available on our website)
 - a brief summary of how you propose to use the data (Letterhead)

A CD-ROM will be sent to you.

All users of the ACASI data must sign the agreement!

2006-08 Contextual data files will be available through RDC, just as in Cycle 6

- Use remotely or in the NCHS RDC
 - ✦ application required (available on RDC website)
 - ✦ **charges apply**
- Selected community characteristics available for:
 - ✦ State, county, census tract, block group
 - ✦ 2 points in time (2000 + interview year)
- Variable list is available on the NSFG website
- State of residence – only available through RDC, but enables linkage to user-provided state-based indicators

Cycles 1-6 of the NSFG

- Public use files from all previous cycles are available free on CD-ROM
- Questionnaires, User's Guides, and Codebooks are on the NSFG web site
- ACASI/Omitted Items files (Cycle 4, 5, & 6) are available free, upon request
- Contextual files for Cycle 5 and 6 data available through RDC

NSFG - sample weights

Adjust for:

- Oversampling
- Screener and Interview non-response
- Adjusted to Census Bureau population estimates (age, race, sex)

It's getting easier to use the weights:

- SAS, STATA, SPSS all have software that will use weights and compute correct sampling errors.
- Examples are on the NSFG web site.

**So use the weights and design variables
to make valid national estimates.**

Variance Estimation Examples on the NSFG webpage

On webpage are selected examples based on Cycle 6 data, providing full syntax and output using 4 major software packages:

- SAS 9.1
- SUDAAN 8.0.2
- STATA 8.0
- WesVar 4.1 (for Windows)

Users can then modify to suit their own computer setup and analysis project.

Variance estimation examples will be provided soon for 2006-08 data.

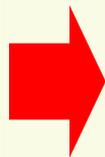
Combining male & female data from Cycle 6

- Make sure you are using truly comparable variables
 - Consult recode specs and male/female recode crosswalk
 - This point also important when pooling data across years
- See example under “Variance Estimation Examples” on webpage:
 - Define new variables for stratum and cluster separately for males and females (finalwgt – same varname for M&F)
 - Append male and female case records (in SAS, use “SET” statement)
 - Run analyses using the new variables you’ve defined

Pooling data across NSFG cycles (female data)

Design variable	Cycle 5 (1995)	Cycle 6 (2002)	2006-08
Stratum variable	COL_STR	SEST	SEST
Cluster/Panel Variable	PANEL	SECU_R – fem resp SECU_P – fem preg	SECU
Final post-stratified, fully adjusted case weight	POST_WT	FINALWGT	FINALWGT

To pool data, define 4 new variables for each file, and then “set” or append the new datasets.



Cycle 5 NSFG:
stratvar=col_str*100;
panelvar=panel*100;
weightvar=post_wt;
survey=1995;

Cycle 6 NSFG:
stratvar=sest;
panelvar=secu_r;
weightvar=finalwgt;
survey=2002;

2006-08 NSFG:
stratvar=sest;
panelvar=secu;
weightvar=finalwgt;
survey=2006;

Key Dates to Remember



May 2010:

First dataset released
based on **13,495** interviews
conducted in 2006-2008.

Fall 2011:

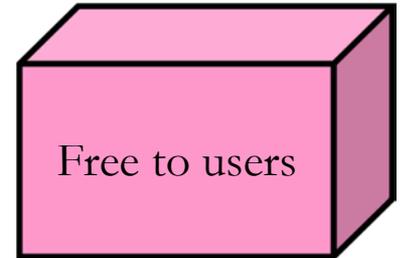
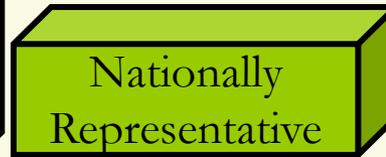
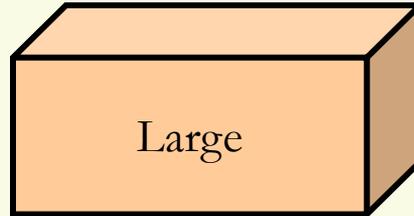
Second dataset released
around **22,500** interviews
conducted in 2006-2010.

Join the NSFG listserv to get all the latest updates
on file and report releases!

www.cdc.gov/subscribe.html and select “National Survey of
Family Growth (NSFG) Announcements” to subscribe.

5 Things we hope you will remember about the NSFG

1. The NSFG is:



2. Just about anything you need to use the NSFG (for research, teaching, or fact finding) is on the NSFG webpage.

3. If your topic allows you to, use

Recodes

4. Don't ignore the complex sample design:

SAS, SPSS, STATA can help with weights and variance estimates now

5. Don't hesitate to contact us if you have questions
nsfg@cdc.gov or Voicemail: 301-458-4222

NSFG Team includes:

At NCHS:

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& others.

**QUESTIONS?
COMMENTS?**