

National Immunization Survey

Accessing and Analyzing National Immunization Survey Public-Use Data*

**Centers for Disease Control
and Prevention**

**National Immunization Program
and
National Center for Health Statistics**

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THE NIS PUBLIC-USE DATA FILES (PUFs)

Section A gives instructions for downloading the NIS public-use data documents and files. Section B shows how to convert the ASCII data file to a SAS dataset. Section C includes a list of SAS and SUDAAN programs to produce selected tables with estimates of vaccination coverage.

The NIS website contains the NIS public-use files (PUFs) for the following years:

1. 2001
2. 2000
3. 1999
4. 1998
5. 1997
6. 1996
7. 1995

The following NIS documents and files are available for each year:

1. Readme File (Text)
2. Data User's Guide (PDF)
3. Data Documentation, Codebook and Frequencies (PDF)
4. Dataset (ASCII – in a compressed format that must be expanded using WINZIP or other software – see B.1)
5. SAS Input Statements (Text)

Additional NIS website documents include:

1. Notice to Data Users (Text)
2. Guide to Quality Control Procedures (PDF)
3. Alphabetical Listing of Variables That Are Not Available in All Public-Use Data Files (PDF)
4. Link to NIS Papers and Publications (HTML Link)

A. Steps for Downloading the Files:

Using the **1999 NIS** as an example:

- A.1. Create a folder on your c: drive
c:\nispuf99
- A.2. Log on to the NIS website
www.cdc.gov/nis

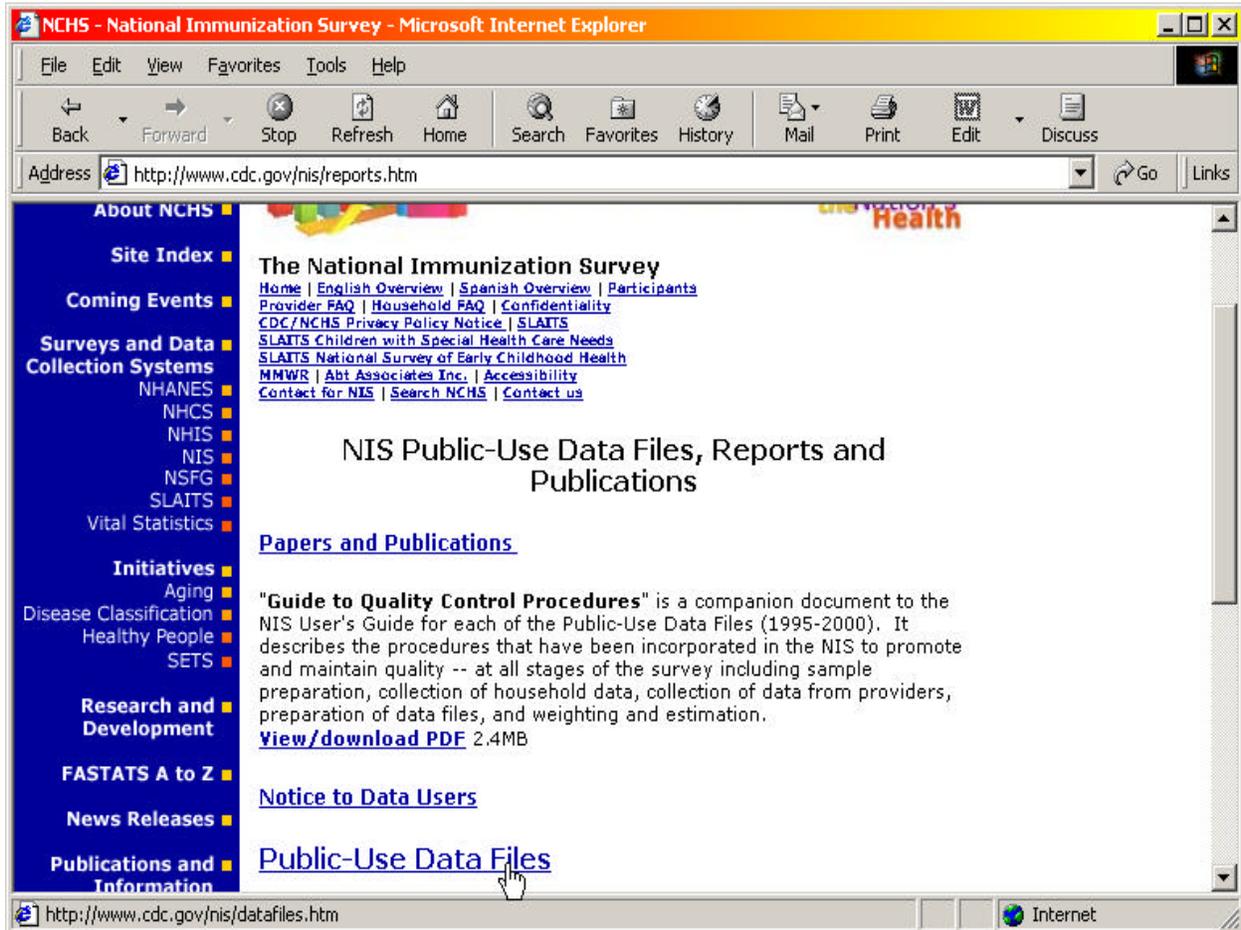
NIS Website (Top Page)

The screenshot shows the top page of the NIS website in a Microsoft Internet Explorer browser window. The address bar shows <http://www.cdc.gov/nis/>. The page features the CDC logo and the NCHS logo. The main heading is "The National Immunization Survey". Below the heading, there is a list of links: [Home](#), [English Overview](#), [Spanish Overview](#), [Participants](#), [Provider FAQ](#), [Household FAQ](#), [Confidentiality](#), [CDC/NCHS Privacy Policy Notice](#), [SLAITS](#), [SLAITS Children with Special Health Care Needs](#), [SLAITS National Survey of Early Childhood Health](#), [MMWR](#), [Abt Associates Inc.](#), [Accessibility](#), [Contact for NIS](#), [Search NCHS](#), and [Contact us](#). The main content area contains the text: "The National Immunization Survey (NIS) is sponsored by the National Immunization Program (NIP) and conducted by the National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention. The NIS is a list-assisted random-digit-dialing telephone survey that began data collection in April 1994 to monitor childhood immunization. In conjunction with the NIS, NCHS also conducts several other health surveys. The target population for the NIS is children between the ages of 19 and 35 months living in the United States at the time of the interview. Data from the NIS are used to produce timely estimates of vaccination coverage rates for".

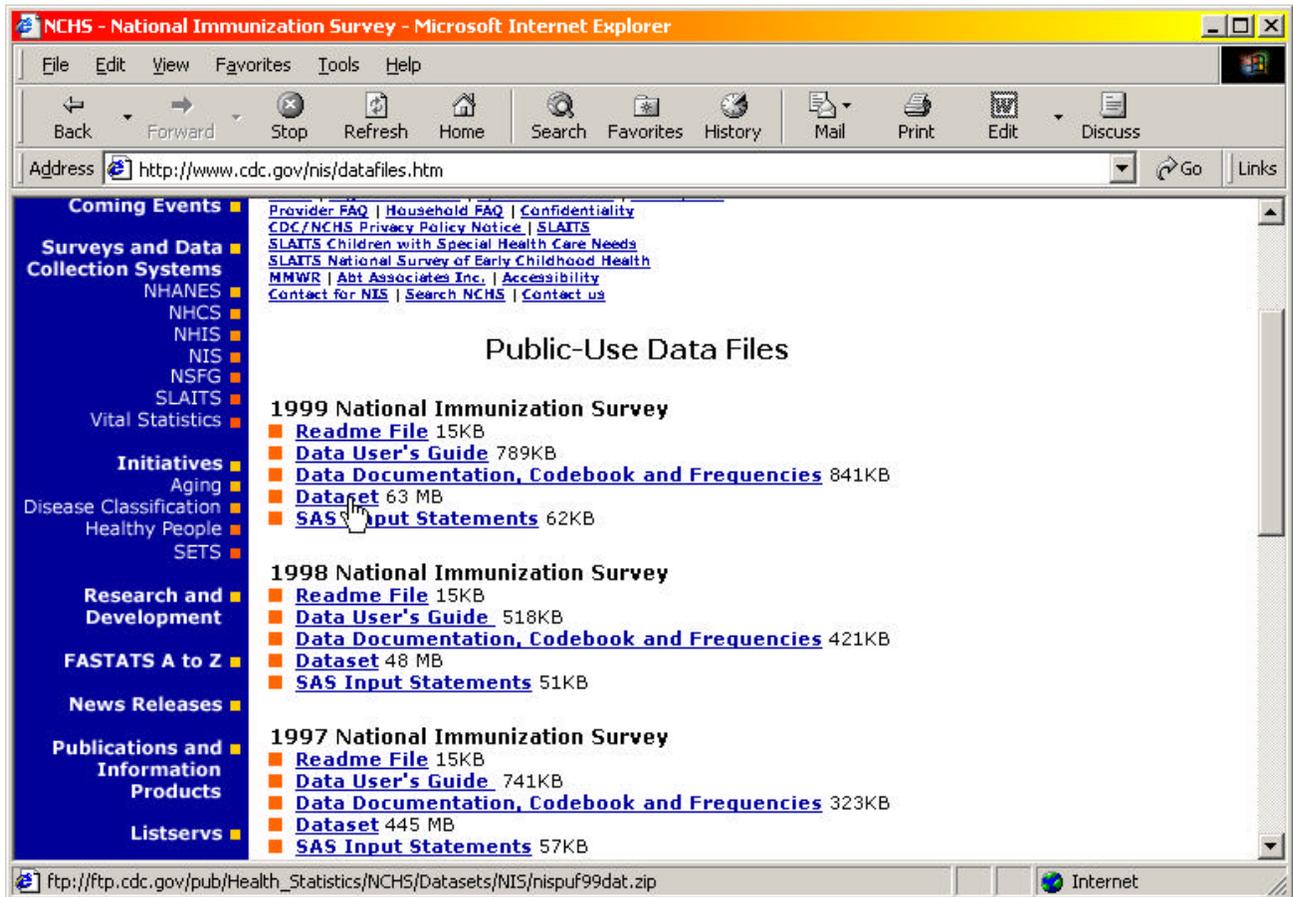
NIS Website (Bottom Page)

The screenshot shows the bottom page of the NIS website in a Microsoft Internet Explorer browser window. The address bar shows <http://www.cdc.gov/nis/>. The page features a sidebar with navigation links: [Development](#), [FASTATS A to Z](#), [News Releases](#), [Publications and Information Products](#), [Listservs](#), [Other Sites](#), [Download: Adobe Acrobat Reader 5.0](#), [Adobe Acrobat Reader 5.0 for the visually disabled](#), [Microsoft PowerPoint Viewer 97](#), [National Center for Health Statistics](#), [Division of Data Services](#), and [6525 Belcrest Road](#). The main content area contains the text: "NIS are used to produce timely estimates of vaccination coverage rates for each of six recommended vaccines for the nation and for each of 78 Immunization Action Plan (IAP) areas, consisting of the 50 states, the District of Columbia, and 27 large urban areas. The **official estimates of vaccination coverage rates from the NIS** are rates of being up-to-date with respect to the recommended numbers of doses of all recommended vaccines. These vaccines and their recommended numbers of doses are: diphtheria and tetanus toxoids and pertussis vaccine (DTP), 4 doses; poliovirus vaccine (polio), 3 doses; measles-containing vaccine (MCV), 1 dose; *Haemophilus influenzae* type b vaccine (Hib), 3 doses; hepatitis B vaccine (Hep B), 3 doses; and varicella zoster vaccine, 1 dose. In addition to these vaccines, interest focuses on coverage rates for vaccine series, including the 4:3:1:3 series (4 DTP, 3 polio, 1 MCV, and 3 Hib).". Below the text, there are three links: [If you or your family has been asked to participate in the NIS or one of the related surveys please click here](#), [If you provide immunizations please check here](#), and [Frequently Asked Questions \(FAQs\)](#). At the bottom, there is a link: [NIS Public-Use Data Files, Reports and Publications](#). The footer contains the same list of links as the top page: [Home](#), [English Overview](#), [Spanish Overview](#), [Participants](#), [Provider FAQ](#), [Household FAQ](#), [Confidentiality](#), [CDC/NCHS Privacy Policy Notice](#), and [SLAITS](#).

A.3. Double-click on NIS Public-Use Data Files, Reports and Publications

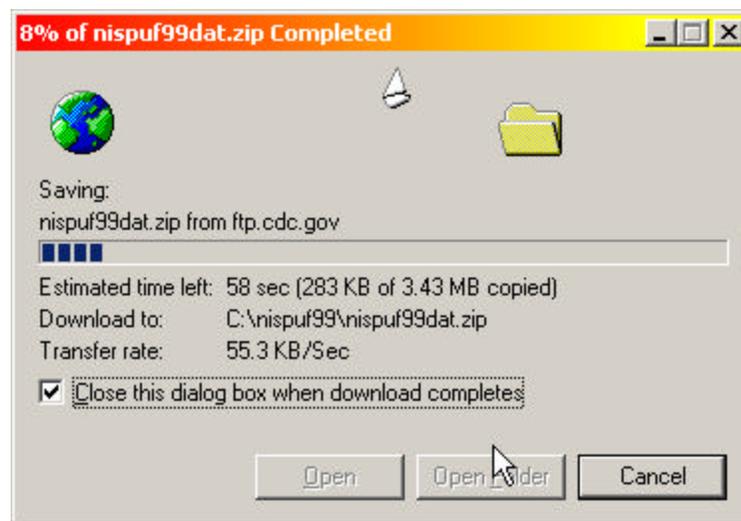
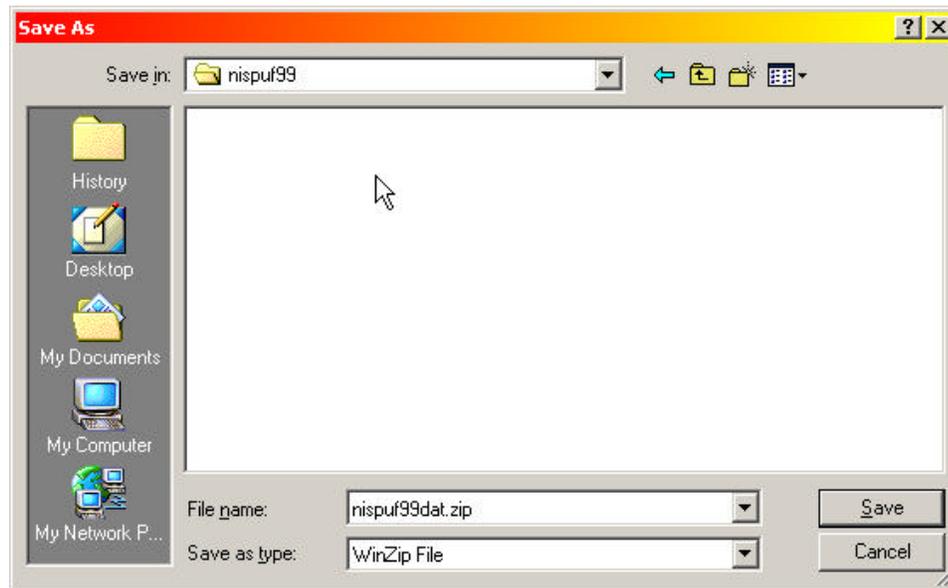


A.4. Double-click on Public-Use Data Files



A.5. Double-click on 1999 Dataset to download the dataset.

A.6. Download the 1999 dataset to c:\nispuf99



A.7. Double-click on 1999 SAS Input Statements to download.

Coming Events ■ [Provider FAQ](#) | [Household FAQ](#) | [Confidentiality](#)
[CDC/NCHS Privacy Policy Notice](#) | [SLAITS](#)
[SLAITS Children with Special Health Care Needs](#)
[SLAITS National Survey of Early Childhood Health](#)
[MMWR](#) | [Abt Associates Inc.](#) | [Accessibility](#)
[Contact for NIS](#) | [Search NCHS](#) | [Contact us](#)

Surveys and Data Collection Systems ■
NHANES ■
NHCS ■
NHIS ■
NIS ■
NSFG ■
SLAITS ■
Vital Statistics ■

Initiatives ■
Aging ■
Disease Classification ■
Healthy People ■
SETS ■

Research and Development ■

FASTATS A to Z ■

News Releases ■

Publications and Information Products ■

Listservs ■

Public-Use Data Files

1999 National Immunization Survey

- [Readme File](#) 15KB
- [Data User's Guide](#) 789KB
- [Data Documentation, Codebook and Frequencies](#) 841KB
- [Dataset](#) 63 MB
- [SAS Input Statements](#) 62KB

1998 National Immunization Survey

- [Readme File](#) 15KB
- [Data User's Guide](#) 518KB
- [Data Documentation, Codebook and Frequencies](#) 421KB
- [Dataset](#) 48 MB
- [SAS Input Statements](#) 51KB

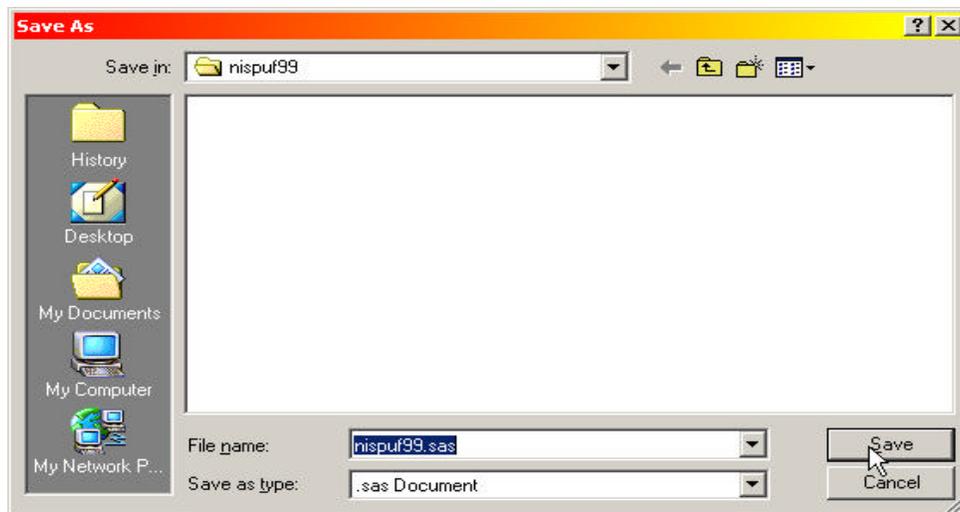
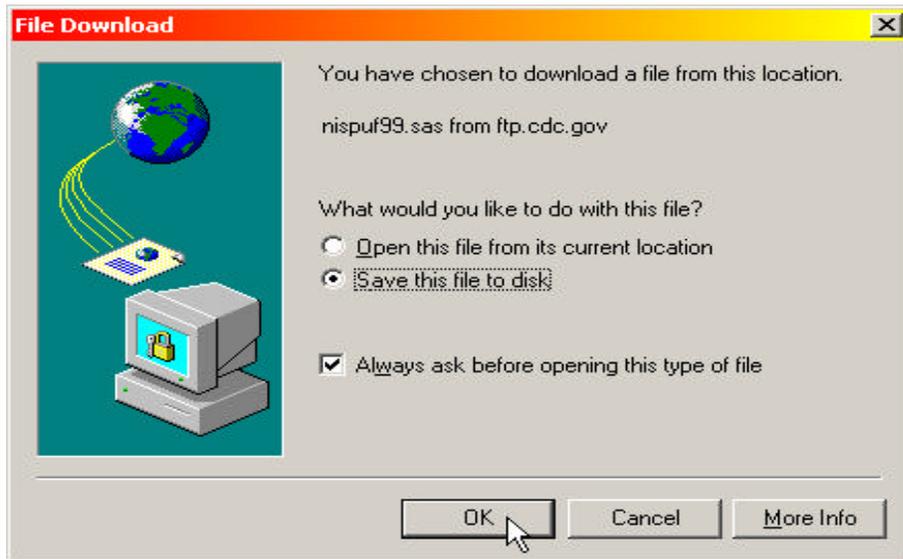
1997 National Immunization Survey

- [Readme File](#) 15KB
- [Data User's Guide](#) 741KB
- [Data Documentation, Codebook and Frequencies](#) 323KB
- [Dataset](#) 445 MB
- [SAS Input Statements](#) 57KB

ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/NIS/nispuf99.sas

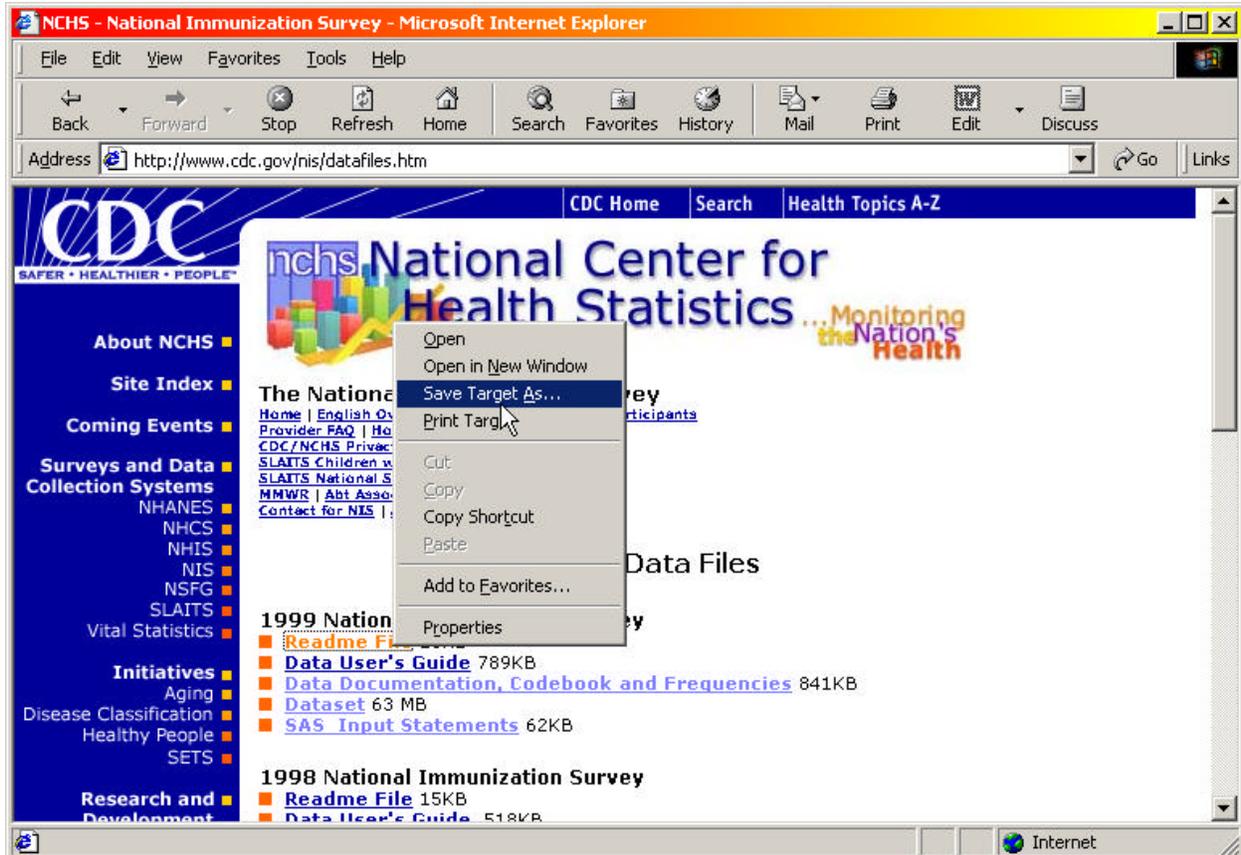
Internet

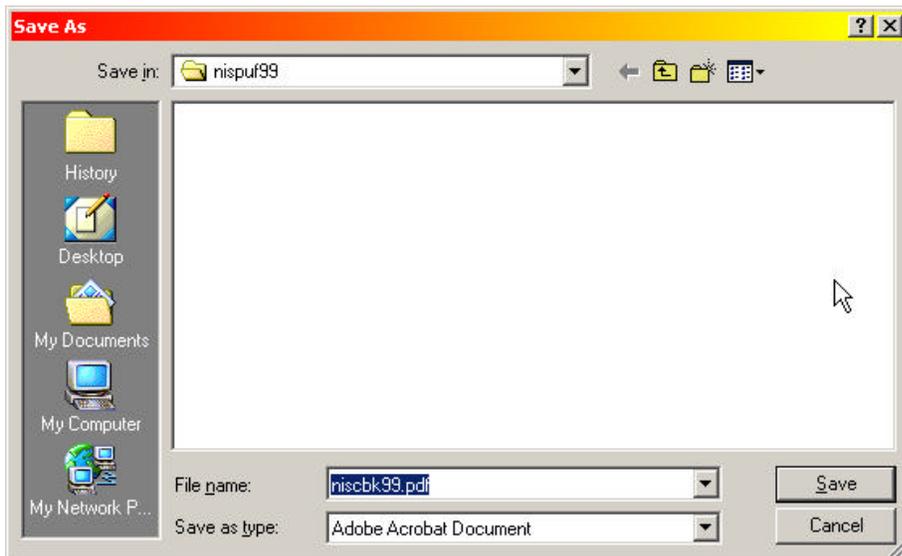
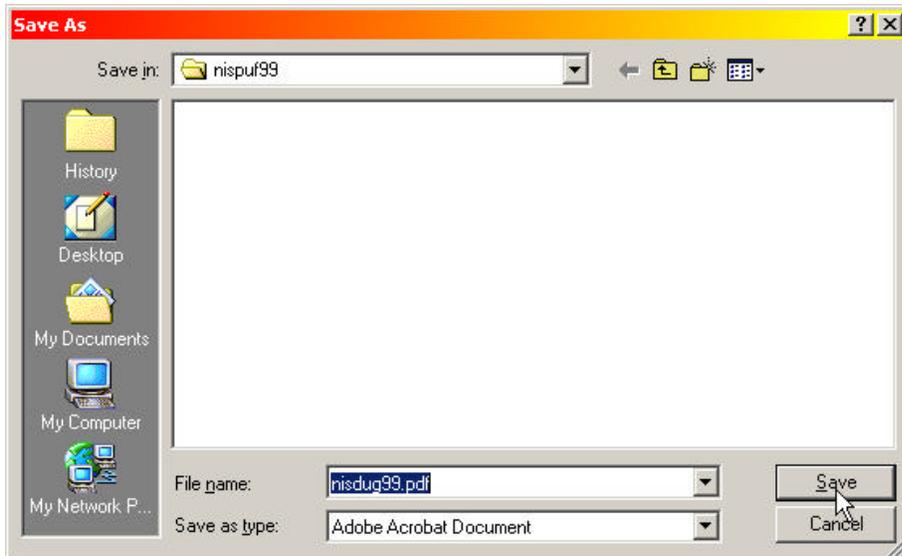
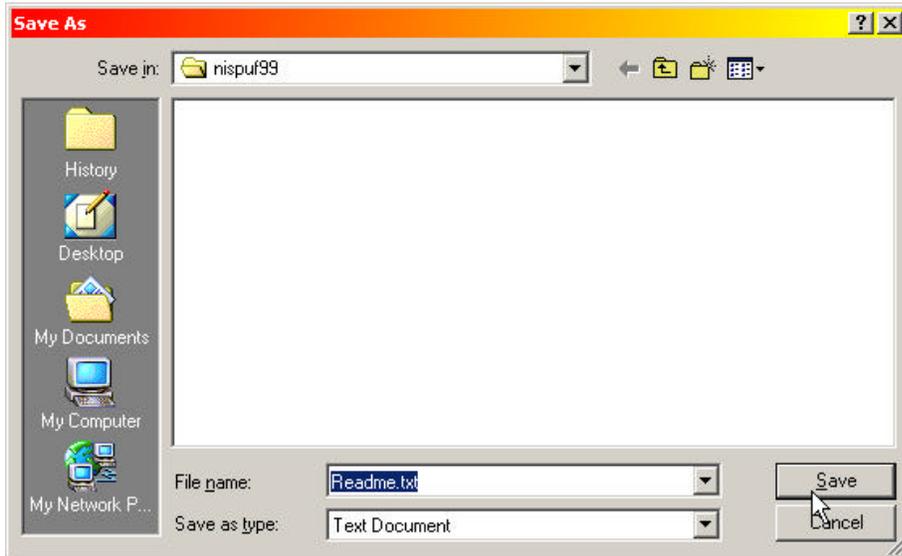
A.8. Download the 1999 SAS input statements to c:\nispuf99



- A.9. Perform the following steps to download each of these files:
- Readme File
 - Data User's Guide
 - Data Documentation, Codebook and Frequencies

- Right-click on the file.
- Save Target As...
- Save file to c:\nispuf99



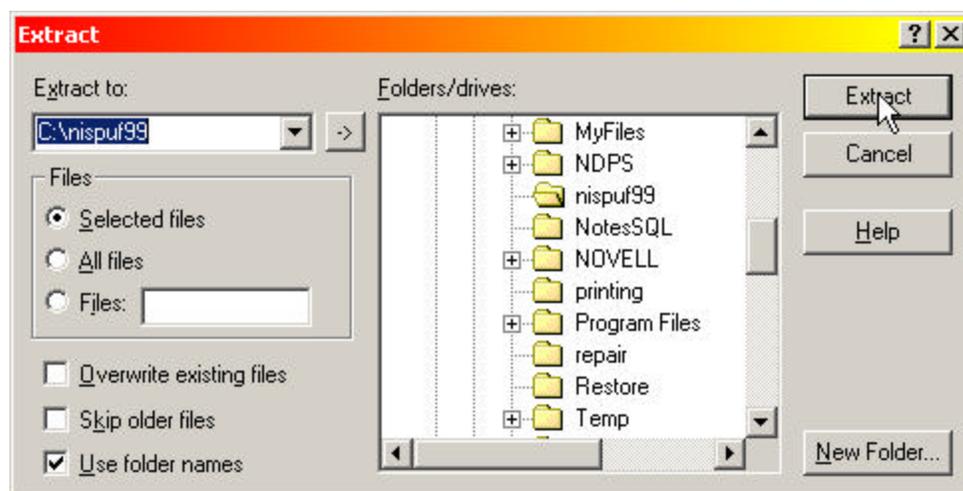
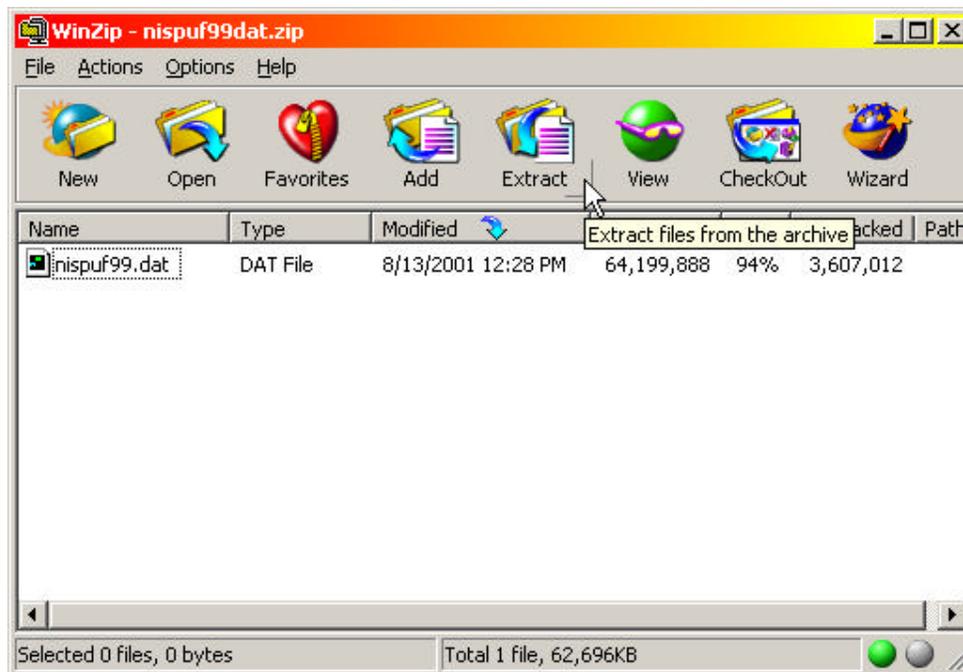


B. To Create a SAS Dataset for the 1999 PUF:

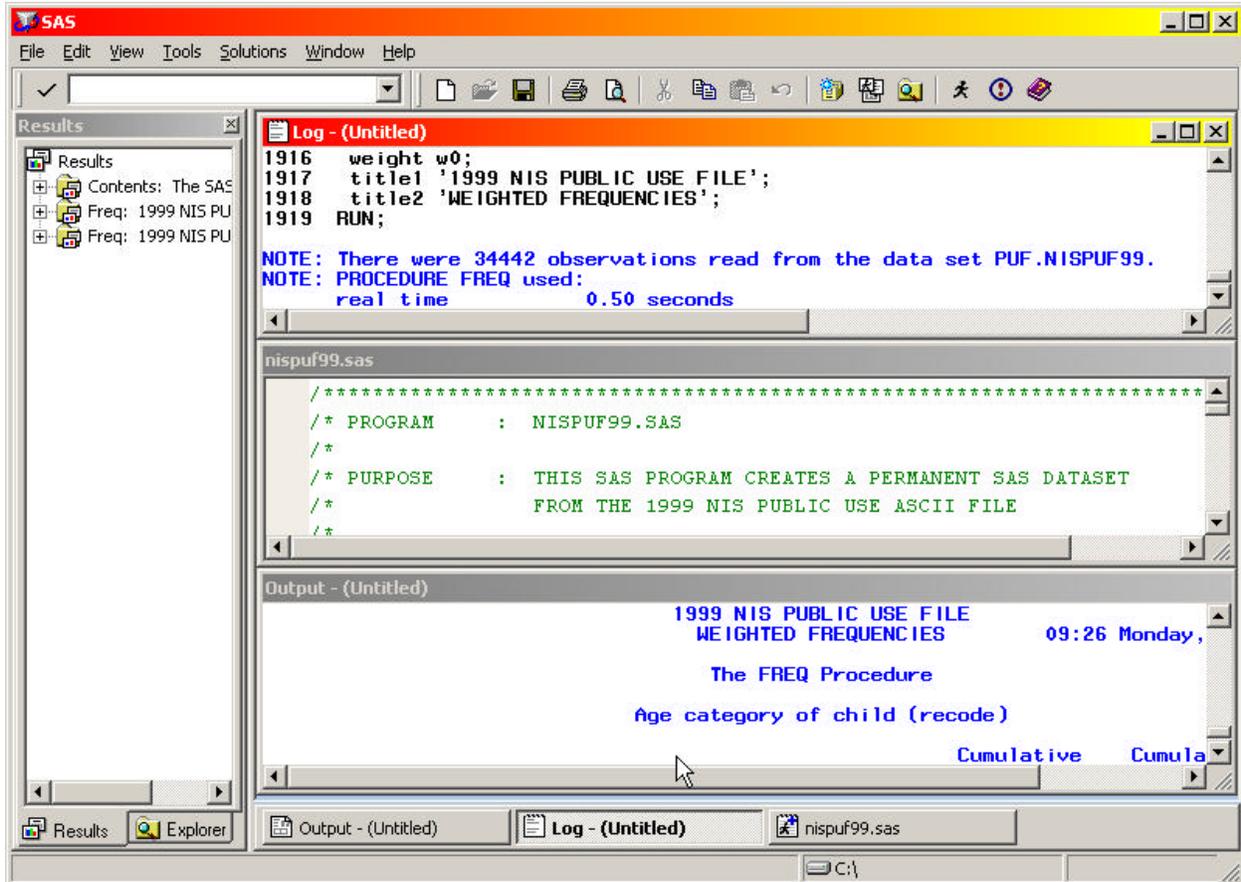
B.1. Unzip the file “*c:\nispuf99\nispuf99dat.zip*” using WinZip by either of the following methods:

- a. Double-click on the file from Windows Explorer, or
- b. Open the file from a WinZip window.

Then extract the file *nispuf99.dat* to *c:\nispuf99*.



B.2. Run the program “*c:\nispuf99\nispuf99.sas*” to create a SAS (version 8) dataset called *nispuf99.sas7bdat* in *c:\nispuf99*. The program contains extensive comments.



C. LIST OF SAMPLE SAS AND SUDAAN PROGRAMS

1. PROG_1.SAS

Table of Coverage Rates for 4:3:1:3 Vaccination Series by IAP Area (with 95% Confidence Interval)

2. PROG_2.SAS

Table of Coverage Rates for 4:3:1:3 Vaccination Series by State (with 95% Confidence Interval)

3. PROG_3.SAS

Table for Percent of Children Who Had Chicken Pox by IAP Area (with 95% Confidence Interval)

4. PROG_4.SAS

Table of Coverage Rates for 4:3:1:3 Vaccination Series by Race/Ethnicity and Poverty Status

5. GRAPH_4.SAS

Graph of Coverage Rates for 4:3:1:3 Vaccination Series by Race/Ethnicity and Poverty Status. (Graph of Output from PROG_4.SAS)