

Tobacco Use Supplement To The Current Population Survey

Users' Workshop

Tips and Tricks of Handling the TUS Data

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Tips and Tricks of Handling the TUS Data

- Basic Information on Getting Started with the Data
- Merging Replicate Weights
- Merging Overlap
- Linking to Other CPS Files/Other Supplements to the CPS

Tips and Tricks of Handling the TUS Data

Basic Information on Getting Started with the Data

- Public Use Files are ASCII Text Files
- Technical Documentation Included with The Data
 - Overview of the Current Population Survey (CPS)
 - Overview of the Tobacco Use Supplement (TUS)
 - Record Layout of the File
 - TUS Questionnaire
 - Source and Accuracy Statement
- Core and Supplement Variables
 - Core: State and Other Geographic Information, Family Income, Race, Origin, Gender, Age, Education, Marital Status, Labor Force Information, Occupation
 - Supplement: Language of Interview, Interview Method (Telephone/In Person), Relationship of Proxy, Cigarette Smoking Prevalence, Smoking History, Medical and Dental Advice to Quit, Use of Other Forms of Tobacco, Smoking Policy at Home, Workplace Smoking Policy

Tips and Tricks of Handling the TUS Data

Basic Information on Getting Started with the Data

- Better Estimates Using All 3 Months of Data Collection
- Supplement Weights
 - Non-Response Weights: Analyses that Included Both Self and Proxy Respondents
 - Self-Response Weights: Analyses of Self Respondents Only
- Example Using February, June and November 2003 Data
 - Variables: Age, Gender, Race/Ethnicity, Education, Interview, PRS64 (Who is Responding to the Supplement), Self and Non-Response Weights
 - GESTFIPS: State (FIPS)
 - Selections: PRPERTYP=2, PRTAGE>17, INTRVIEW=1
 - Since Each Survey is Weighted to the Population, Divide Weights by 3
 - Table of Current Smoking Prevalence Rates by Gender and by Age

2003 Tobacco Use Special Cessation Supplement to The Current Population Survey
 February, June and November
 Interviewed, Adults, Ages 18 and Over
 Self and Proxy Respondents

Current Cigarette Smoking Status By Gender and Age Group

	Smoker Recode								
	Never/Former			Current			Total		
	Sample	Population	Percent	Sample	Population	Percent	Sample	Population	Percent
Total	190,443	172,325,312	81.62	43,831	38,802,077	18.38	234,274	211,127,389	100.00
Gender									
Male	87,190	80,291,768	79.31	22,851	20,952,265	20.69	110,041	101,244,033	100.00
Female	103,253	92,033,544	83.76	20,980	17,849,813	16.24	124,233	109,883,356	100.00
Age Group									
18-24	20,938	21,718,055	80.04	5,524	5,415,382	19.96	26,462	27,133,437	100.00
25-44	68,898	64,920,654	78.97	19,362	17,291,823	21.03	88,260	82,212,477	100.00
45-64	62,694	54,469,001	80.40	15,482	13,281,816	19.60	78,176	67,750,818	100.00
65+	37,913	31,217,602	91.73	3,463	2,813,056	8.27	41,376	34,030,658	100.00

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Current Cigarette Smoking Status By Gender and Age Group

	Smoker Recode								
	Never/Former			Current			Total		
	Sample	Population	Percent	Sample	Population	Percent	Sample	Population	Percent
Total	148,359	171,535,094	81.10	34,644	39,967,679	18.90	183,003	211,502,773	100.00
Gender									
Male	62,982	80,036,782	78.84	16,640	21,475,837	21.16	79,622	101,512,620	100.00
Female	85,377	91,498,311	83.19	18,004	18,491,842	16.81	103,381	109,990,154	100.00
Age Group									
18-24	12,526	20,996,856	77.50	3,869	6,096,211	22.50	16,395	27,093,066	100.00
25-44	53,945	65,015,572	78.86	15,302	17,428,592	21.14	69,247	82,444,164	100.00
45-64	49,721	54,268,434	79.94	12,516	13,619,680	20.06	62,237	67,888,113	100.00
65+	32,167	31,254,232	91.72	2,957	2,823,197	8.28	35,124	34,077,430	100.00

Tips and Tricks of Handling the TUS Data

Merging Replicate Weights

- Two Replicate Weight Files For Each Survey in 1992-2003
 - Non-Response Weights
 - Self Response Weights
- 48 Replicate Weights in 1992-1993 Files
- 80 Replicate Weights in 1995-2003 Files
- Unique Identifiers
 - 1992-1993: Household ID (H_ID) and Persons' Line Number (A_LINENO)
 - 1995-1996, 1998-1999: Household ID (HRHHID), Serial Suffix (HRSERSUF), Persons' Line Number (PULINENO)
 - 2001-02, 2003: Unique Household Identifier (QSTNUMBER), Unique Person Identifier (OCCURNUM)

Tips and Tricks of Handling the TUS Data

Merging Replicate Weights

- Example Merging Replicate Weights and Calculating Current Smoking Prevalence Using SAS and SUDAAN Using the February, June and November 2003 Data.
 - Read in Main Survey Data
 - Read In Replicate Weight Data. Multiple Lines Per Record.
 - Sort and Merge Each Survey By QSTNUM and OCCURNUM
 - Divide weights by 3
 - Using Replicate Weights in SUDAAN to Calculate Current Smoking Prevalence, Standard Errors and 95% Confidence Intervals
 - Design=BRR (Balance Repeated Replication)
 - ADJFAY=4
 - Table of Current Smoking Prevalence Rates by Gender

Variance Estimation Method: BRR

2003 Tobacco Use Special Cessation Supplement to The Current Population Survey

February, June and November

Interviewed, Adults, Ages 18 and Over

Self and Proxy Respondents

Current Cigarette Smoking Status By Gender and Age Group

by: Gender, Current Cigarette Smoker.

Gender		Current Cigarette Smoker		
		Total	Yes	No
Total	Sample Size	234274	43831	190443
	Population Size	211127389	38802077	172325312
	Percent	100.0000	18.3785	81.6215
	Standard Error	0.0000	0.1439	0.1439
	Lower 95% CI	.	18.0938	81.3333
	Upper 95% CI	.	18.6667	81.9062
Male	Sample Size	110041	22851	87190
	Population Size	101244033	20952265	80291768
	Percent	100.0000	20.6948	79.3052
	Standard Error	0.0000	0.1860	0.1860
	Lower 95% CI	.	20.3271	78.9325
	Upper 95% CI	.	21.0675	79.6729
Female	Sample Size	124233	20980	103253
	Population Size	109883356	17849813	92033544
	Percent	100.0000	16.2443	83.7557
	Standard Error	0.0000	0.1569	0.1569
	Lower 95% CI	.	15.9344	83.4409
	Upper 95% CI	.	16.5591	84.0656

Tips and Tricks of Handling the TUS Data

Merging Overlap Supplement

- Unique CPS Panel Design Feature
 - Each Household in the Sample is Surveyed for Four Consecutive Months (Panels 1-4) and then for Four Consecutive Months (Panels 5-8) Nine Months Later
 - Persons in Panels 1, 2 or 3 in February 2002 were in Panels 5, 6 or 7 in February 2003

Tips and Tricks of Handling the TUS Data

Merging Overlap Supplement

- Matching Variables for February 2002 and February 2003 Overlap
 - Household Identifier (HRHHID)
 - Month in Sample (HRMIS)
 - 1 in Feb 2002 = 5 in Feb 2003
 - 2 in Feb 2002 = 6 in Feb 2003
 - 3 in Feb 2002 = 7 in Feb 2003
 - No TUS Items for Panels 4 and 8 in Both 2002 and 2003.
 - Sample Identifier (HRSAMPLE)
 - Serial Suffix (HRSERSUF)
 - Household Number (HUHHNum)
 - Persons' Line Number (PULINENO)
 - Gender (PESEX)
 - Persons' Age (PEAGE):
 - Match If 2003 Age is within Plus or Minus 1 of 2002 Age

Tips and Tricks of Handling the TUS Data

Merging Overlap Supplement

- Match Results
 - 22,598: Self and Proxy
 - 15,846: Self Only
- Reasons For Mismatches
 - Migration: Entire Households and Individuals Move to Another Location
 - Individual or Household Non-Response

Tips and Tricks of Handling the TUS Data

Linking to Other CPS Data/Supplements to the CPS

- TUS-CPS Can Be Linked With Other CPS Basic and CPS Supplement Data.
- Allows the Opportunity to Include Other Topics in Analysis Not Included in The TUS
 - March ASEC, Internet Use, Veterans Information, Food Service Information
- Example: Starting in January 2003, Occupation and Industry Were Coded Differently than Pre 2003.
 - Questions Were Not Modified
 - Information Gathered Classified According to New Standards and Definitions
 - How to Group New Occupation Coding Scheme into Occupation Groups White Collar, Blue Collar, Service and Other.
 - Merged February 2002 CPS Data With Bureau of Labor Statistics Monthly Extract File for February 2002.