

Statistical Analysis Output Tables

Smoking and Mental Health, 2016

The American Lung Association Epidemiology and Statistics Unit downloaded, merged, and analyzed data from the 2016 Sample Adult and Person National Health Interview Survey files using IBM SPSS Statistics 25.

The National Health Interview Survey is the principal source of information on the health of the civilian noninstitutionalized population of the United States and is one of the major data collection programs of the National Center for Health Statistics which is part of the Centers for Disease Control and Prevention. More information is available here: https://www.cdc.gov/nchs/nhis/about_nhis.htm

Those with mental illness make up 33% of U.S. adult smokers

Those with mental illness account for 36% of all U.S. adult cigarette consumption

Those with mental illness smoke 14% more cigarettes than other smokers

USE ALL.

COMPUTE filter_\$=(CIGSDAY < 61).

VARIABLE LABEL filter_\$ 'CIGSDAY < 61 (FILTER)'.
 VALUE LABELS filter_\$ 0 'Not Selected' 1 'Selected'.
 FORMAT filter_\$ (f1.0).
 FILTER BY filter_\$.

MEANS TABLES=CIGSDAY BY MPD

/CELLS=MEAN COUNT.

Report

Number of cigarettes a day (all current smokers)

Moderate Psychological

Distress past 30 days	Mean	N	Total Cigarettes Smoked Per Day
Yes	12.96	11,703,122	151,673,629
No	11.33	23,903,291	270,806,972
Total	11.87	35,606,413	422,480,601



Those with mental illness make up only 20% of the U.S. adult population

CROSSTABS
 /TABLES=SMKStatA BY MPD BY Sex
 /FORMAT=AVALUE TABLES
 /CELLS=COUNT COLUMN
 /COUNT ROUND CELL.

**Smoking Status * Moderate Psychological Distress past 30 days * Sex
 Crosstabulation**

Sex			Moderate Psychological Distress past 30 days		
			Yes	No	Total
Male	Smoking Status	Current smoker	5,706,951	14,198,190	19,905,141
			28.3%	15.1%	17.5%
		Former smoker	5,324,327	24,523,607	29,847,934
			26.4%	26.1%	26.2%
		Never smoker	9,157,420	55,068,900	64,226,320
			45.4%	58.7%	56.3%
	Total		20,188,698	93,790,697	113,979,395
			100.0%	100.0%	100.0%
Female	Smoking Status	Current smoker	6,256,031	10,323,330	16,579,361
			22.6%	10.9%	13.6%
		Former smoker	5,243,047	17,749,424	22,992,471
			18.9%	18.8%	18.8%
		Never smoker	16,183,419	66,375,486	82,558,905
			58.5%	70.3%	67.6%
	Total		27,682,497	94,448,240	122,130,737
			100.0%	100.0%	100.0%
Total	Smoking Status	Current smoker	11,962,982	24,521,520	36,484,502
			25.0%	13.0%	15.5%
		Former smoker	10,567,374	42,273,031	52,840,405
			22.1%	22.5%	22.4%
		Never smoker	25,340,839	121,444,386	146,785,225
			52.9%	64.5%	62.2%
	Total		47,871,195	188,238,937	236,110,132
			100.0%	100.0%	100.0%



CROSTABS
 /TABLES=SMKStatA BY MPD BY FPL
 /FORMAT=AVALUE TABLES
 /CELLS=COUNT COLUMN
 /COUNT ROUND CELL.

**Smoking Status * Moderate Psychological Distress past 30 days * Family
 Income < or ≥100% FPL Crosstabulation**

Family Income < or ≥100% FPL			Moderate Psychological Distress past 30 days		
			Yes	No	Total
<100% FPL	Smoking Status	Current smoker	3,255,839	3,676,050	6,931,889
			34.4%	20.3%	25.2%
	Former smoker	1,468,595	2,142,858	3,611,453	
		15.5%	11.8%	13.1%	
Never smoker	4,739,470	12,268,766	17,008,236		
	50.1%	67.8%	61.7%		
Total			9,463,904	18,087,674	27,551,578
			100.0%	100.0%	100.0%
≥100% FPL	Smoking Status	Current smoker	8,304,423	19,584,425	27,888,848
			22.8%	12.5%	14.4%
	Former smoker	8,685,223	37,049,411	45,734,634	
		23.9%	23.6%	23.7%	
Never smoker	19,373,727	100,284,090	119,657,817		
	53.3%	63.9%	61.9%		
Total			36,363,373	156,917,926	193,281,299
			100.0%	100.0%	100.0%
Total	Smoking Status	Current smoker	11,560,262	23,260,475	34,820,737
			25.2%	13.3%	15.8%
	Former smoker	10,153,818	39,192,269	49,346,087	
		22.2%	22.4%	22.3%	
Never smoker	24,113,197	112,552,856	136,666,053		
	52.6%	64.3%	61.9%		
Total			45,827,277	175,005,600	220,832,877
			100.0%	100.0%	100.0%



CROSSTABS
 /TABLES=SMKStatA BY MPD BY UsualHC
 /FORMAT=AVALUE TABLES
 /CELLS=COUNT COLUMN
 /COUNT ROUND CELL.

Smoking Status * Moderate Psychological Distress past 30 days * Is there a place that you USUALLY go to when you are sick or need advice

Is there a place that you USUALLY go to when you are sick or need advice about your			Moderate Psychological Distress past 30 days		
			Yes	No	Total
Yes	Smoking Status	Current smoker	9,563,652	19,129,719	28,693,371
			23.5%	11.6%	14.0%
		Former smoker	9,471,424	38,659,724	48,131,148
			23.2%	23.5%	23.4%
		Never smoker	21,711,102	106,838,320	128,549,422
			53.3%	64.9%	62.6%
	Total		40,746,178	164,627,763	205,373,941
			100.0%	100.0%	100.0%
No	Smoking Status	Current smoker	2,378,284	5,382,666	7,760,950
			33.5%	22.9%	25.3%
		Former smoker	1,095,950	3,610,773	4,706,723
			15.4%	15.4%	15.4%
		Never smoker	3,629,737	14,522,096	18,151,833
			51.1%	61.8%	59.3%
	Total		7,103,971	23,515,535	30,619,506
			100.0%	100.0%	100.0%
Total	Smoking Status	Current smoker	11,941,936	24,512,385	36,454,321
			25.0%	13.0%	15.4%
		Former smoker	10,567,374	42,270,497	52,837,871
			22.1%	22.5%	22.4%
		Never smoker	25,340,839	121,360,416	146,701,255
			53.0%	64.5%	62.2%
	Total		47,850,149	188,143,298	235,993,447
			100.0%	100.0%	100.0%