

Analysis Dataset Codebook (Final)

1. Background

This project uses a subset of the Medical Expenditure Panel Survey HC-192: 2016 Full-year Consolidated data file as a sample for studying the effect of health insurance coverage on the use of medical services. The MEPS provides nationally representative estimates of health care use, expenditures, sources of payment, and health insurance coverage for the U.S. civilian noninstitutionalized population. The MEPS Household Component (HC) also provides estimates of respondents' health status, demographic and socio-economic characteristics, employment, access to care, and satisfaction with health care. Using computer assisted personal interviewing (CAPI) technology, information about each household member is collected, and the survey builds on this information from interview to interview. All data for a sampled household is reported by a single household respondent. HC-192 public dataset contains variables and frequency distributions associated with 34,655 persons who participated in the MEPS Household Component of the Medical Expenditure Panel Survey in 2016, each associated with 1941 variables.

Based on HC-192 dataset, I created a subset including only the variables necessary for this study. These variables' information is listed in the next section.

2. Variable information

Category	Variable name	Description	Values
Demographic variables	family	A family id for household members	Eg: 10001A
	age	age as of 12/31/16 (edited/imputed)	18 - 64
	sex	sex	0 MALE
			1 FEMALE
	race	race/ethnicity (edited/imputed)	1 HISPANIC
			2 NON-HISPANIC WHITE ONLY
			3 NON-HISPANIC BLACK ONLY
			4 NON-HISPANIC ASIAN ONLY
			5 NON-HISPANIC OTHER RACE OR MULTIPLE RACE
Income variable	educ	highest degree when first entered MEPS	1 NO DEGREE
			2 HIGH SCHOOL
			3 OTHER DEGREE
			4 HIGHER-EDUCATION DEGREE
Income variable	inc	person's total income in 2016	\$3 - \$269,424
Health status variables	hstat	perceived health status	1 EXCELLENT
			2 VERY GOOD
			3 GOOD
	mstat	perceived mental health status	4 FAIR
			5 POOR

	dx	Number of prior diagnosis among high blood pressure, coronary heart disease, angina, myocardial infarction, other unspecified heart disease, stroke, emphysema, high cholesterol, cancer, diabetes, joint pain, arthritis, and asthma	0 - 12
Employment variables	employ	employment status	<div>0 UNEMPLOYED</div> <div>1 EMPLOYED</div>
Health insurance variables	ins	full year insurance coverage status in 2016	<div>0 <65 ANY PRIVATE</div> <div>1 <65 PUBLIC ONLY</div>
Utilization, expenditure, and source of payment variables	logexp	Log-transformed total health care expenditure in 2016	0.69 – 13.27
	coverage	$\frac{\text{total amount paid by self/family in 2016}}{\text{total health care expenditure in 2016}}$	0 - 1