**ICPSR 2760** 

# National Survey of Midlife Development in the United States (MIDUS), 1995-1996

Occupational Variables

Inter-university Consortium for Political and Social Research P.O. Box 1248 Ann Arbor, Michigan 48106 www.icpsr.umich.edu

# National Survey of Midlife Development in the United States (MIDUS), 1995-1996

Orville G. Brim

John D. and Catherine T. MacArthur Foundation on Successful Midlife Development

Paul B. Baltes

Max Planck Institute for Human Development

Larry L. Bumpass

University of Wisconsin

Paul D. Cleary

Harvard Medical School

David L. Featherman

University of Michigan

William R. Hazzard

Wake Forest University

Ronald C. Kessler

Harvard Medical School

Margie E. Lachman

Brandeis University

Hazel Rose Markus

Stanford University

Michael G. Marmot

University College London Medical School

Alice S. Rossi

University of Massachusetts-Amherst

Carol D. Ryff

University of Wisconsin

Richard A. Shweder

University of Chicago

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#### OCCUPATIONAL VARIABLES

A series of occupational variables have been attached to each record in the MIDUS I data. These variables include SEI and DOT scores which pertain to one's occupation, and are based on the three-digit 1980 Census occupational codes. A brief description and the sources of these scores are outlined below.

A. Occupational Status Data - In the MIDUS I data, these variables range from \* TSEI80 to \* MEDUC. These data are based on the following:

* TOT_EDUC	Started logit of proportion of individuals in the employed civilian labor force who had completed at least some college as of 1990. This variable represents "occupational-education," an indicator devised by Hauser and Warren (1996). It is similar to a standard occupational status score, such as the Duncan SEI, yet breaks occupational status down into an educational component and an income component.
* TOT_EARN	Started logit of proportion of individuals in the employed civilian labor force who earned \$14.30 or more per hour in

civilian labor force who earned \$14.30 or more per hour in 1989. This variable represents "occupational-income," an indicator devised by Hauser and Warren (1996). It is similar to a standard occupational status score, such as the Duncan SEI, yet breaks occupational status down into an educational component and an income component.

\* MEN\_EDUC Started logit of proportion of men in the employed civilian labor force who had completed at least some college as of 1990

\* MEN\_EARN Started logit of proportion of men in the employed civilian labor force who earned \$14.30 or more per hour in 1989

\* MSEI Male-Based SEI Score

\* FEM\_EDUC Started logit of proportion of women in the employed civilian labor force who had completed at least some college as of 1990

\* FEM\_EARN Started logit of proportion of women in the employed civilian labor force who earned \$14.30 or more per hour in 1989

\* FSEI Female-Based SEI Score

Note: STARTED LOGIT = ln((PROPORTION+.01)/(1-PROPORTION+.01)).

For details concerning the design, construction, and external validation of these scores, please refer to:

Hauser, Robert M. and John Robert Warren. 1996. "Socioeconomic indexes for occupations: a review, update and critique." Working Paper #96-01. Center for Demography and Ecology, University of Wisconsin-Madison.

Copies may be obtained from:
Center for Demography and Ecology
University of Wisconsin-Madison
1180 Observatory Drive
Madison, WI 53706
(608) 262-2182
Copies are also available online at http://www.ssc.wisc.edu/cde/

B. Dictionary of Occupational Titles (DOT) Codes

These DOT code data were created by Barbara Kilbourne and Paula England. They include variables that link SEI and DOT codes with job characteristics. In the MIDUS I data, these variables range from \* ABSCRE to \* WOMEN.

#### Summary

This collection provides average scores on selected variables from the dictionary of Occupational Titles for 1980 Census occupational categories. The dataset was prepared using a sample of individuals from the 1970 Census whose occupations had been coded with both 1970 and 1980 Census detailed occupational codes. This file, known as the Treiman file, was merged with selected variables from the FOURTH EDITION DICTIONARY OF OCCUPATIONAL TITLES, using 1970 occupational categories as the merge variable. A score on each Dictionary of Occupational Titles (DOT) variable was then computed for each 1980 occupational category. Included among the DOT variables were such characteristics as (1) level of complexity at which the worker functions in terms of data, people, and things, (2) training required to do the job, (3) verbal, numerical, spatial, and other aptitudes needed to perform the job, (4) percent of workers in the job with a preference for a specific type of job activity such as abstract and creative activity or activity requiring business contact with people, (5) temperamental attributes such as adaptability to performing under stress and adaptability to performing repetitive work, (6) physical demands of the job, and (7) environmental conditions under which the work is performed. Measures of mean hourly and annual earnings for both men and women in each occupation and number of men and women in each occupation also are included.

For more Information, please see the document: "Occupational Measures from the Dictionary of Occupational Titles for 1980 Census Detailed Occupations" by Paul England and Barbara Kilbourne, ICPSR Study No. 8942.

Available online at http://www.icpsr.umich.edu/index-medium.html