DATA SOURCES

URBAN-RURAL DEFINITION
The basic urban-rural classification of counties used in the state workforce profiles corresponds to the metropolitan-nonmetropolitan definition in use in 1999. The four rural categories used are based on the 1996 revision of the Urban Influence Codes (which were still in use in 1999). A revision of the metropolitan-nonmetropolitan definition based on 2000 census data has been released very recently (OMB, 2003). There is as yet, however, no corresponding revision of the Urban Influence Codes (UICs). For this reason, and in order to facilitate comparison of changes in the health care workforce between 1990 and 2000, we elected to use the metropolitan-nonmetropolitan definition and UICs that were in use in 1999 for all the data presented in the profiles.

INCLUDED COUNTIES AND COUNTY-EQUIVALENTS
State and total population, provider and county numbers may differ slightly from previously published data for several reasons. Washington, D.C. has been excluded, accordingly reducing national totals for people and providers. Denali County, AK, has been excluded since it has no UIC code. While there are no health care providers there, people do live there. Thus, state population totals do not match what is published by the Census Bureau. In addition, due to data limitations, we have grouped together data for the Alaska counties Skagway-Hoonah-Angoon and Yakutat. Because of these decisions, the total number of counties and county-equitivals is 3139 instead of 3142.

PHYSICIAN DATA INCLUSIONS AND EXCLUSIONS
Physicians include nonfederal M.D.s and D.O.s who are active in patient care. Physician data for 1990 are comprised of 1990 M.D. information and 1989 D.O. information. Physician data for 2000 are comprised of 2000 M.D. information and 2001 D.O. information. M.D. physician numbers exclude residents, unless otherwise indicated. Also excluded are physicians who are active primarily as administrators, educators or researchers.

DATA ON DENTISTS
Data for 1990 and 2000 for dentists were unavailable. Data for 1987 and 1998, respectively, were substituted.

ORDER OF RANKED DATA
All ranks are descending.

ALASKA DATA
Data for 1990 are unavailable for Alaska for many variables.

NEW JERSEY DATA
New Jersey has no counties that are classified as rural using the UIC county taxonomy. In other taxonomies, such as the RUCAs, New Jersey does have some rural areas.

POVERTY DATA
The variable indicating the percent families under the federal poverty level is based on a census question asked of a representative population sample. The survey was conducted in 2000 but asked about 1999 income. Similarly, information collected in the 1990 census asked about 1989 income.

DATA ON REGISTERED NURSES
RNs enumerated in the state profiles work in short-term general hospitals or in nursing homes. The numbers date from 1991 and 2000.
References


American Association of Physician Assistants (AAPA). PA Census Survey data provided to WWAMI Center for Health Workforce Studies. 2001.


Bureau of Primary Health Care (BPHC), Health Resources and Services Administration. Table provided by BPHC staff in September 1997.

Bureau of Primary Health Care (BPHC), Health Resources and Services Administration. Table provided by BPHC staff in January 2000.


Hart LG. Unpublished data. Adapted from Rosenblatt et al., 2002, with supplemental data.


Health Resources and Services Administration (HRSA). *The registered nurse population: Findings from the National Sample Survey of Registered Nurses.* Division of Nursing, Bureau of Health Professions, Health Resources and Services Administration, U.S. DHHS, March 1996.


References


Phillips CD, Hawes C, Williams ML. Nursing homes in rural and urban areas, 2000. College Station, TX: Southwest Rural Health Research Center, Texas A&M University System Health Science Center, February 2003.


Rabinowitz HK, Diamond JJ, Markham FW, Hazelwood CE. A program to increase the number of family physicians in rural and underserved areas: Impact after 22 years. JAMA. Jan 20 1999b;281(3):255-260.


References


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BOOKS


MONOGRAPHS & REPORTS
Health Resources and Services Administration (HRSA). *HRSA state health workforce profiles.* Rockville, MD: Bureau of Health Professions, National Center for Health Workforce Information and Analysis, Health Resources and Services Administration, U.S. DHHS, December 2000. (These publications profile the health workforce in 50 states and the District of Columbia. Though they do not contain extensive rural-specific information, they are a rich source of health workforce data.)


Phillips, CD, Hawes, C, Leyk Williams, M. *Nursing homes in rural and urban areas, 2000.* College Station, TX: The Texas A&M University System Health Science Center, School of Public Health, Southwest Rural Health Research Center, 2003.


FEDERAL AGENCIES
Federal Office of Rural Health Policy (FORHP)
http://www.ruralhealth.hrsa.gov/

Bureau of Health Professions
http://bhpr.hrsa.gov/

Economic Research Service, U.S. Department of Agriculture
http://www.ers.usda.gov/

National Center for Health Workforce Analysis
http://bhpr.hrsa.gov/healthworkforce/

ORGANIZATIONS
National Rural Health Association
http://www.nrharural.org/

National Organization of State Offices of Rural Health
http://www.nrharural.org/nosorh/

ONLINE RESOURCES
The Rural Assistance Center (RAC) is a HRSA funded center that can direct users to a wide variety of rural health and human services information. See http://www.raonline.org/

The Maine Rural Health Research Center maintains a searchable database on rural health services research in progress at FORHP funded research centers. See http://www.rural-health.org

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Rural Health Research Center
Department of Family Medicine
University of Washington
Box 354982
Seattle, WA 98195-4982
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(206) 616-4768 (fax)
http://www.fammed.washington.edu/wwamirhrhc/

South Carolina Rural Health Research Center
200 Stoneridge Drive, Suite 204
Columbia, SC 29210
(803) 251-6317
(803) 251-6319 (fax)
http://hadm.sph.sc.edu/rhr/
Rural Health Workforce Resources

Southwest Rural Health Research Center
The School of Rural Public Health
3000 Briarcrest Drive, Suite 416
Bryan, Texas 77808
(979) 458-0653
(979) 458-0656 (fax)
http://srphmain.tamu.edu/srhrc

North Carolina Rural Health Research Center
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http://www.shepscenter.unc.edu/research_programs/Rural_Program/rhp.html

Project HOPE Walsh Center for Rural Health Analysis
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(301) 656-7401
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http://www.projhope.org/

RUPRI, Rural Policy Research Institute
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Center for California Health Workforce Studies
3333 California Street, Suite 410
San Francisco, CA 94118
(415) 476-8181
http://futurehealth.ucsf.edu/cchws.html

Center for Health Workforce Studies
University at Albany
State University of New York
School of Public Health
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Rensselaer, NY 12144-3456
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(518) 402-0252 (fax)
http://chws.albany.edu

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