



The Demography and Epidemiology of Human Health and Aging

By Jacob S. Siegel

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With this book, Siegel, an internationally known demographer and gerontologist, has made a unique contribution to the fledgling fields of health demography, and the demography and epidemiology of aging. The book represents a felicitous union of epidemiology, gerontology, and demography, and appears to be the first and only comprehensive text on this subject now available. Drawing on a wide range of sciences in addition to demography, gerontology, and epidemiology, including medical sociology, biostatistics, public policy, bioethics, and molecular biology, the author treats theoretical and applied issues, links methods and findings, covers the material internationally, nationally, and locally, and while focusing on the elderly, treats the entire life course. The methods, materials, and perspectives of demography and epidemiology are brought to bear on such topics as the prospects for future increases in human longevity, the relative contribution of life style, environment, genetics, and chance in human longevity, the measurement of the share of healthy years in total life expectancy, the role of population growth in the rising costs of health care, and the applications of health demography in serving the health needs of local communities. The separate chapters systematically develop the topics of the sources and quality of health data; mortality, life tables, and the measurement of health status; the interrelationships of health, on the one hand, and mortality, fertility, migration, and age structure, on the other; health conditions in the less developed countries; the concepts and theories of aging and projections of the aged population; and local health applications, public health policy, and bioethical issues in health demography. Given its comprehensiveness, clarity, interdisciplinary scope, and authenticity, this book appeals to a wide range of users, from students and teachers of medical sociology, the demography of aging, and public health studies to practitioners in these areas, both as a text in health demography and the demography/epidemiology of aging, and as a reference work in these fields.

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Editorial Review

Review

From the reviews:

“The well-written style of the text in conjunction with many examples should make the book understandable at the undergraduate level. ... the book covers a broad array of topics at the intersection of demography and epidemiology. ... Students who might be unfamiliar with some technical terms will welcome the large glossary provided at the end of book. ... an indispensable resource for students and professionals in the field of demography. It will be on my shelf for demographic reference works.” (Roland Rau, *European Journal of Population*, Vol. 29 (3), 2013)

“It will be of particular value to applied researchers and to those working in a policy setting. ... a valuable resource for instructors, students, and researchers. In sum, its strengths include clear writing, accessibility, a practical focus, many illustrative examples, and the fact that chapters provide a good overview of their subject matter ... giving useful detail also. ... The book can be recommended for libraries that cover demography, epidemiology, social medicine, public health, or gerontology.” (Maire Ni Bhrolchain, *Population Studies*, Vol. 67 (2), 2013)

“This comprehensive introduction to and overview of health demography and the epidemiology of aging is authored by an established expert in this field who does an excellent job of covering a broad range of topics. ... It easily could serve as a textbook for a two-semester course, and as an excellent reference for practicing health demographers and epidemiologists. ... This one is very useful and readable, and I expect to use it as a reference for years to come.” (Ryan M. Carnahan, *Doody's Book Reviews*, June, 2012)

From the Back Cover

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