



Original article

# Recent trends in US mortality in early and middle adulthood: racial/ethnic disparities in inter-cohort patterns

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## Abstract

**Background:** A striking increase in the all-cause mortality of US middle-aged non-Hispanic Whites in the past two decades has been documented by previous studies. The inter-cohort patterns in US mortality, as well as their racial/ethnic disparities, are still unclear.

**Methods:** Using official mortality data, we study US annual mortality rates for ages 25–54 from 1990 to 2016 by gender and race/ethnicity. We conduct an age-period-cohort analysis to disentangle the period and cohort forces driving the absolute changes in mortality across cohorts. Nine leading causes of death are also explored to explain the inter-cohort mortality patterns and their racial/ethnic disparities.

**Results:** We find cohort-specific elevated mortality trends for gender- and race/ethnicity-specific populations. For non-Hispanic Blacks and Hispanics, Baby Boomers have increased mortality trends compared with other cohorts. For non-Hispanic White females, it is late-Gen Xers and early-Gen Yers for whom the mortality trends are higher than other cohorts. For non-Hispanic White males, the elevated mortality pattern is found for Baby Boomers, late-Gen Xers, and early-Gen Yers. The mortality pattern among Baby Boomers is at least partially driven by mortality related to drug poisoning, suicide, external causes, chronic obstructive pulmonary disease and HIV/AIDS for all race and gender groups affected. The elevated mortality patterns among late-Gen Xers and early-Gen Yers are at least partially driven by mortality related to drug poisonings and alcohol-related diseases for non-Hispanic Whites. Differential patterns of drug poisoning-related mortality play an important role in the racial/ethnic disparities in these mortality patterns.

**Conclusions:** We find substantial racial/ethnic disparities in inter-cohort mortality patterns. Our findings also point to the unique challenges faced by younger generations.

**Key words:** Adult mortality, racial/ethnic disparities, gender disparities, cohort analysis

# Racial And Ethnic Patterns Mortality

**Marcia Stanhope, Jeanette Lancaster**



## **Racial And Ethnic Patterns Mortality:**

**Racial and Ethnic Patterns of Mortality in New Mexico** Thomas M. Becker, 1993      **Racial/ethnic Patterns of Cancer in the United States, 1988-1992** ,1998      Racial/Ethnic Patterns of Cancer in the United States, 1988-1992 Barry A. Miller, 1997-07 Hutchinson focuses initially on movement as concept and metaphor affirming its centrality in the conceptualization of all discursive activities He draws on an array of authors including Heraclitus Plato Longinus Rabelais Nietzsche Saussure Frances Yates Kristeva Meschonnic and Deleuze to demonstrate the motion of discourse and of those engaged in it He then turns to Cervantes novels to show how metaphors of movement and travel appearing on nearly every page dominate the conceptualization of the soul the self desire love and life processes Viewing travel as a composite of concurrent modes of experience with differing content and rhythms Hutchinson considers the concept of errancy the nature of place and the traveler s shifting relations with it and the values that travel may have as a motion displacement encounter and goal Of key importance are the means of improvisation developed en route His re examination of Bakhtin s chronotope in light of Cervante s novels reveals the dynamic character of time spaces in which travelers move He shows moreover that unlike typical Renaissance utopias the many worlds of Cervantes novels have the principles of becoming and dissolution inscribed in them Reflecting on the narrative of journeys both as memory and invention Hutchinson concludes with an examination of the relations between travel experience and travel narrative and a discussion of the whereabouts of writers and readers in Cervantes novels The narration of journeys he argues necessitates and encourages improvisatory writing

Critical Perspectives on Racial and Ethnic Differences in Health in Late Life National Research Council, Division of Behavioral and Social Sciences and Education, Committee on Population, Panel on Race, Ethnicity, and Health in Later Life, 2004-10-16 In their later years Americans of different racial and ethnic backgrounds are not in equally good or equally poor health There is wide variation but on average older Whites are healthier than older Blacks and tend to outlive them But Whites tend to be in poorer health than Hispanics and Asian Americans This volume documents the differentials and considers possible explanations Selection processes play a role selective migration for instance or selective survival to advanced ages Health differentials originate early in life possibly even before birth and are affected by events and experiences throughout the life course Differences in socioeconomic status risk behavior social relations and health care all play a role Separate chapters consider the contribution of such factors and the biopsychosocial mechanisms that link them to health This volume provides the empirical evidence for the research agenda provided in the separate report of the Panel on Race Ethnicity and Health in Later Life      Handbook of the Sociology of Racial and Ethnic Relations Hernan Vera, Joe R Feagin, 2007-08-03 The study of racial and ethnic relations has become one of the most studied aspects in sociology and sociological research In both North America and Europe many traditional cultures are feeling threatened by immigrants from Latin America Africa and Asia Sociology is at the hub of the human sciences concerned with racial and ethnic relations Since

this discipline is made of multiple paradigms and methodological orientations it has been able to make relevant contributions to disciplines ranging from individual psychology social psychology and psychiatry to economics anthropology linguistics cultural studies health care delivery and education

**Handbook of Minority Aging** Tamara A. Baker, Keith E. Whitfield, 2014 The array of topics covered is amazing making this book a valuable significant resource for many disciplines This multidisciplinary review of the literature on minority aging presents the scholarship related to public health and social behavioral and biological concerns of aged minorities like no other publication Graduate students will certainly be well served by this book as would faculty teaching aging at both undergraduate and graduate levels Highly recommended Choice Current Reviews for Academic Libraries while practitioners of gerontology family medicine and any professional involved in the care of the elderly will find some practical guidance in the second part of the book it will really earn a place on the bookshelf of anyone and everyone with an interest in US sociology and the development of public policy for the elderly With the general aging of the population and the book's accentuation of current issues this outstanding review will become an indispensable tool

**Healthy Aging Research** This text provides up to date multidisciplinary and comprehensive information about aging among diverse racial and ethnic populations in the United States It is the only book to focus on paramount public health issues as they relate to older minority Americans and addresses social behavioral and biological concerns for this population The text distills the most important advances in the science of minority aging and incorporates the evidence of scholars in gerontology anthropology psychology public health sociology social work biology medicine and nursing Additionally the book incorporates the work of both established and emerging scholars to provide the broadest possible knowledge base on the needs of and concerns for this rapidly growing population Chapters focus on subject areas that are recognized as being critical in understanding the well being of minority elders These include sociology Medicare SES work and retirement social networks context neighborhood ethnography gender demographics psychology cognition stress mental health personality sexuality religion neuroscience discrimination medicine nursing public health mortality and morbidity disability health disparities long term care genetics dietary issues health interventions physical functioning social work caregiving housing social services end of life care and many other topics The book focuses on the needs of four major ethnic groups Asian Pacific Islander Hispanic Latino African American and Native American

**Key Features** Provides current comprehensive information about minority aging through a multidisciplinary lens Integrates information from scholars in gerontology anthropology psychology public health sociology social work biology medicine and nursing Emphasizes the principal public health issues concerning minority elders Offers one stop shopping regarding the development of a substantial knowledge base about minority aging Includes recent progressive research pertaining to the social cultural psychological and health needs of elderly minority adults in the US

**The International Handbook of the Demography of Race and Ethnicity** Rogelio Sáenz, David G. Embrick, Néstor P. Rodríguez, 2015-06-03 Examining key countries in every

region of world this handbook presents population profiles and analyses concerning racial ethnic disparities and changing intergroup relations Inside prominent scholars from various parts of the world and disciplines address the links between stratification demography and conflict across the globe Organized by region continent coverage for each profiled country includes demographic information a historical overview that addresses past racial ethnic conflict identification of the most salient demographic trends and issues that the country faces theoretical issues related to the linkages between stratification demography and conflict methodological issues including quality of data and cutting edge methods to better understand the issue at hand and details on the possible future of the existing trends and issues with particular emphasis on public policy and human rights This handbook will help readers to better understand the commonalities and differences that exist globally in the interplay between stratification demography and conflict In addition it also provides an excellent inventory of theoretical perspectives and methodological approaches that are needed to better comprehend this issue This handbook will appeal to students researchers and policy analysts in the areas of race and ethnic relations demography inequality international sociology international relations foreign studies social geography and social development

*Public Health Reports*, 2009

*Tobacco Use Among United States Racial/ethnic Minority Groups* United States. Department of Health and Human Services, 1998 This Surgeon General's report on tobacco use summarizes current information on risk factors and patterns related to tobacco use among members of four major racial and ethnic minority groups in the United States African Americans American Indians and Alaska Natives Asian Americans and Pacific Islanders and Hispanics In addition this report presents information on national and regional efforts to curtail consumption of tobacco products among members of these four groups Previous Surgeon General's reports on smoking and health have briefly summarized findings related to one or more of the racial ethnic groups covered in this report but this is the first Surgeon General's report to concentrate specifically on the four major racial ethnic groups in the United States Several factors prompted the development of this report First the information in this report has never before been compiled in one source Consequently policymakers community leaders researchers and public health workers have had difficulty determining the extent of the problem identifying gaps in information regarding tobacco use among members of the four groups or being aware of existing tobacco control programs that have demonstrated effectiveness Thus incorporating such information into the design and implementation of culturally appropriate services has been difficult Second the four racial ethnic groups currently constitute about one fourth of the population of this country and the Bureau of the Census projects that by 2050 the non Hispanic white population in the United States will total only 53 percent Day 1996 Preventing health problems related to tobacco use among the individuals in racial and ethnic groups will be integral to achieving U S public health objectives such as those proposed in Healthy People 2000 National Health Promotion and Disease Prevention Objectives U S Department of Health and Human Services USDHHS 1991 1995 National Center for Health Statistics NCHS 1994 This report contributes essential

knowledge that must be incorporated into efforts to accomplish the Healthy People 2000 objectives **Multicultural Psychology** Pamela Balls Organista, Gerardo Marin, Kevin M. Chun, 2018-07-12 Appropriate for both undergraduate and graduate courses Multicultural Psychology second edition provides a comprehensive introduction to the field This research based and highly applied text aims to increase students sensitivity awareness and knowledge of ethnicity race and culture and their influence on human behavior and adjustment A diverse and highly respected team of authors effortlessly weaves together theory with the latest research on ethnic and racial minority groups Engaging boxes throughout the chapters also highlight key concepts and findings and their practical applications New to This Edition Expanded discussion on the interactive effects of key social variables on ethnic and racial groups attitudes norms values and behaviors Additional sections on topics such as ethnic disparities in health care quality and access and psychological approaches to reducing racism New coverage of ethnic and racial minority group members who also share other minority statuses e g sexual and gender minorities and additional coverage of biculturalism and multicultural and multiracial individuals identity formation Reorganized table of contents to better reflect a developmental learning approach Updated content to include recent research in psychology and related fields e g new acculturation models an ecological model of health behavior sociocultural issues in sexual identity formation and other culture related syndromes Revised ancillaries written by the authors include an instructor s manual test bank MS PowerPoint slides and a new open access Companion Website **Statistical Methods in Health Disparity Research** J. Sunil Rao, 2023-07-11 A health disparity refers to a higher burden of illness injury disability or mortality experienced by one group relative to others attributable to multiple factors including socioeconomic status environmental factors insufficient access to health care individual risk factors and behaviors and inequalities in education These disparities may be due to many factors including age income and race Statistical Methods in Health Disparity Research will focus on their estimation ranging from classical approaches including the quantification of a disparity to more formal modeling to modern approaches involving more flexible computational approaches Features Presents an overview of methods and applications of health disparity estimation First book to synthesize research in this field in a unified statistical framework Covers classical approaches and builds to more modern computational techniques Includes many worked examples and case studies using real data Discusses available software for estimation The book is designed primarily for researchers and graduate students in biostatistics data science and computer science It will also be useful to many quantitative modelers in genetics biology sociology and epidemiology **Stroke E-Book** James C. Grotta, Gregory W Albers, Joseph P Broderick, Scott E Kasner, Eng H. Lo, Ralph L Sacco, Lawrence KS Wong, Arthur L. Day, 2021-02-06 Authored by the world s foremost stroke experts this classic text brings you fully up to date with current research findings and management approaches for cerebrovascular disease Stroke Pathophysiology Diagnosis and Management 7th Edition covers every aspect of this fast moving field and is an ideal resource for stroke specialists general neurologists and other medical

professionals with an interest in stroke You ll find expert clinical guidance comprehensive pathophysiology coverage data from recent trials advances in diagnostic tests full color CT images pathology slides and much more for a complete picture of today s stroke medicine Helps you recognize the clinical manifestations of stroke use the latest laboratory and imaging studies to arrive at a diagnosis and generate an effective medical and surgical treatment plan Keeps you abreast of the overwhelming volume of studies and guidelines in this dynamic field providing clear summaries and practical evaluations of all relevant data Contains updates throughout including the latest clinical trials thrombectomy DAWN DEFUSE genetics research prevention research new therapies and the new guidelines from the ASA Includes new slides for lectures covering basic science case studies and interventional treatment overviews Features a Key Points summary at the beginning of each chapter so you can quickly find important information Provides abundant full color CT images and pathology slides that help you make efficient and accurate diagnoses

**Braunwald's Heart Disease E-Book** Douglas L. Mann,Douglas P. Zipes,Peter Libby,Robert O. Bonow,2014-07-30 Ideal for cardiologists who need to keep abreast of rapidly changing scientific foundations clinical research results and evidence based medicine Braunwald s Heart Disease is your indispensable source for definitive state of the art answers on every aspect of contemporary cardiology helping you apply the most recent knowledge in personalized medicine imaging techniques pharmacology interventional cardiology electrophysiology and much more Practice with confidence and overcome your toughest challenges with advice from the top minds in cardiology today who synthesize the entire state of current knowledge and summarize all of the most recent ACC AHA practice guidelines Locate the answers you need fast thanks to a user friendly full color design with more than 1 200 color illustrations Learn from leading international experts including 53 new authors Explore brand new chapters such as Principles of Cardiovascular Genetics and Biomarkers Proteomics Metabolomics and Personalized Medicine Access new and updated guidelines covering Diseases of the Aorta Peripheral Artery Diseases Diabetes and the Cardiovascular System Heart Failure and Valvular Heart Disease Stay abreast of the latest diagnostic and imaging techniques and modalities such as three dimensional echocardiography speckle tracking tissue Doppler computed tomography and cardiac magnetic resonance imaging Consult this title on your favorite e reader conduct rapid searches and adjust font sizes for optimal readability

**Foundations for Population Health in Community/Public Health Nursing - E-Book** Marcia Stanhope,Jeanette Lancaster,2021-10-08 Master the essentials of health promotion in community and public health nursing Foundations for Population Health in Community Public Health Nursing 6th Edition provides clear concise coverage of the nurse s role in preventing disease promoting health and providing health education in community settings Case studies and critical thinking activities make it easier to apply concepts to community nursing practice New to this edition are Healthy People 2030 guidelines and coverage of the latest issues trends and approaches Written by well known nursing educators Marcia Stanhope and Jeanette Lancaster this streamlined text covers the fundamentals of designing effective nursing strategies for

vulnerable and special populations Focus on health promotion throughout the text emphasizes initiatives strategies and interventions that promote the health of the community QSEN boxes illustrate how quality and safety goals competencies objectives knowledge skills and attitudes can be applied in nursing practice in the community Levels of Prevention boxes identify specific nursing interventions at the primary secondary and tertiary levels reinforcing the concept of prevention as it relates to community and public health care Applying Content to Practice boxes highlight how chapter content is applied to nursing practice in the community Practice Application scenarios present practice situations with questions and answers to help you apply concepts to community practice Genomics coverage provides a history of genetics and genomics and how they impact public community health nursing care Coverage of ongoing health care reform issues includes the impact of the Patient Protection and Affordable Care Act of 2010 ACA on public health nursing Evidence Based Practice boxes highlight current research findings their application to practice and how community public health nurses can apply the study results NEW COVID 19 pandemic information has been added NEW Healthy People 2030 objectives are highlighted throughout the book addressing the health priorities and emerging health issues expected in the next decade NEW Updated content and figures reflect the most current data issues trends and practices NEW Expanded Check Your Practice boxes use Clinical Judgment Next Generation NCLEX steps to guide your thinking about practice scenarios Journal of the National Cancer Institute ,2002 *Public Health Nursing E-Book* Marcia Stanhope, Jeanette Lancaster, 2019-08-18 Ensure you have a solid understanding of community and public health nursing with this industry standard text Public Health Nursing Population Centered Health Care in the Community 10th Edition provides up to date information on issues such as infectious diseases natural and man made disasters and healthcare policies affecting individuals families and communities This new edition has been thoroughly updated to reflect current data issues trends and practices presented in an easy to understand accessible format Additionally real life scenarios show examples of health promotion and public health interventions Ideal for BSN and Advanced Practice Nursing programs this comprehensive bestselling text will provide you with a greater understanding of public health nursing Focus on Quality and Safety Education for Nurses boxes give examples of how quality and safety goals knowledge competencies and skills and attitudes can be applied to nursing practice in the community Healthy People boxes highlight goals and objectives for promoting the nation s health and wellness over the next decade Linking Content to Practice boxes provide examples of the nurse s role in caring for individuals families and populations in community health settings Evidence Based Practice boxes illustrate the use and application of the latest research findings in public community health nursing UNIQUE Separate chapters on healthy cities the Intervention Wheel and nursing centers describe different approaches to community health initiatives Levels of Prevention boxes identify specific nursing interventions at the primary secondary and tertiary levels End of chapter Practice Application scenarios Key Points and Clinical Decision Making activities promote application and in depth understanding of chapter content UPDATED Content and figures reflect current data issues



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**Minority Populations and Health**  
 Thomas A. LaVeist, 2011-03-10 The text is state of the art in its analysis of health disparities from both domestic and international perspectives Minority Populations and Health An Introduction to Health Disparities in the United States is a welcome addition to the field because it widens access to the complex issues underlying the health disparities problem Preventing Chronic Disease CDC October 2005 This is a very comprehensive evidence based book dealing with the health disparities that plague the United States This is a welcome and valuable addition to the field of health care for minority groups in the United States Doody s Publishers Bulletin August 2005 Health isn t color blind Racial minorities disproportionately suffer from some diseases but experts say race alone doesn t completely account for the disparities Newsweek s Jennifer Barrett Ozols spoke with Thomas LaVeist director of the Center for Health Disparities Solutions at Johns Hopkins Bloomberg School of Public Health and author of the upcoming book Minority Populations and Health An Introduction to Health Disparities in the U S Jossey Bass about race and medicine MSNBC Newsweek interview with author Thomas L LaVeist February 2005 The book is readable and organized to be quickly read with specifics readily retrievable It is comprehensive and visual Journal of the American Medical Association September 2005 Minority Populations and Health is a textbook that offers a complete foundation in the core issues and theoretical frameworks for the development of policy and interventions to address race disparities in health related outcomes This book covers U S health and social policy the role of race and ethnicity in health research social factors contributing to mortality longevity and life expectancy quantitative and demographic analysis and access and utilization of health services Instructors material available at <http://www.minorityhealth.com>

**Biomedical Index to PHS-supported Research**, 1988 *Race, Ethnicity, and Health* Thomas A. LaVeist, Lydia A. Isaac, 2012-09-26 Race Ethnicity and Health Second Edition is a critical selection of hallmark articles that address health disparities in America It effectively documents the need for equal treatment and equal health status for minorities Intended as a resource for faculty and students in public health as well as the social sciences it will be also be valuable to public health administrators and frontline staff who serve diverse racial and ethnic populations The book brings together the best peer reviewed research literature from the leading scholars and faculty in this growing field providing a historical and political context for the study of health race and ethnicity with key findings on disparities in access use and quality This volume also examines the role of health care providers in health disparities and discusses the issue of matching patients and doctors by race New chapters cover reflections on demographic changes in the US based on the current census metrics and nomenclature for disparities theories of genetic basis for disparities the built environment residential segregation environmental health occupational health health disparities in integrated communities Latino health Asian populations stress and health physician patient relationships hospital treatment of minorities the slavery hypertension hypothesis geographic

disparities and intervention design

**Migration, Ethnicity, Race, and Health in Multicultural Societies** Raj S.

Bhopal, 2014 This book discusses the concepts of migration race and ethnicity and demonstrates how these can be applied in scientific research policy making health service planning and health promotion Extensive examples are used to demonstrate the application of the theory

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