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The Oxford Handbook of Public Health Ethics Anna C. Mastroianni 2019-07-23 Natural disasters and cholera outbreaks. Ebola, SARS, and concerns over pandemic flu. HIV and AIDS. E. coli outbreaks from contaminated produce and fast foods. Threats of bioterrorism. Contamination of compounded drugs. Vaccination refusals and outbreaks of preventable diseases. These are just some of the headlines from the last 30-plus years highlighting the essential roles and responsibilities of public health, all of which come with ethical issues and the responsibilities they create. Public health has achieved extraordinary successes. And yet these successes also bring with them ethical tension. Not all public health successes are equally distributed in the population; extraordinary health disparities between rich and poor still exist. The most successful public health programs sometimes rely on policies that, while improving public health conditions, also limit individual rights. Public health practitioners and policymakers face these and other questions of ethics routinely in their work, and they must navigate their sometimes competing responsibilities to the health of the public with other important societal values such as privacy, autonomy, and prevailing cultural norms. This Oxford Handbook provides a sweeping and

comprehensive review of the current state of public health ethics, addressing these and numerous other questions. Taking account of the wide range of topics under the umbrella of public health and the ethical issues raised by them, this volume is organized into fifteen sections. It begins with two sections that discuss the conceptual foundations, ethical tensions, and ethical frameworks of and for public health and how public health does its work. The thirteen sections that follow examine the application of public health ethics considerations and approaches across a broad range of public health topics. While chapters are organized into topical sections, each chapter is designed to serve as a standalone contribution. The book includes 73 chapters covering many topics from varying perspectives, a recognition of the diversity of the issues that define public health ethics in the U.S. and globally. This Handbook is an authoritative and indispensable guide to the state of public health ethics today.

The Sperm Cell Christopher J. De Jonge 2006-04-06 Originally published in 2006, this is a comprehensive and definitive account of the human male gamete. The volume summarizes many unique and revealing characteristics of the sperm cell. It provides a detailed overview of human sperm production, maturation and function, and looks at how these processes affect and influence fertility, infertility and ART. The volume thus provides a detailed review of the most important research and developments, augmented with pertinent references. This book will appeal to all practitioners and scientists in reproductive medicine and in particular to clinical scientists, graduate and post-graduate scientists, and laboratory personnel.

Impact of the Environment on Reproductive Health 1993

Count Down Shanna H. Swan 2021-02-23 In the tradition of *Silent Spring* and *The Sixth Extinction*, an urgent, meticulously researched, and groundbreaking book about the ways in which chemicals in the modern environment are changing—and endangering—human sexuality and fertility on the grandest scale, from renowned epidemiologist Shanna Swan. In 2017, author Shanna Swan and her team of researchers completed a major study. They found that over the past four decades, sperm levels among men in Western countries have dropped by more than 50 percent. They came to this conclusion after examining 185 studies involving close to 45,000 healthy men. The result sent shockwaves around the globe—but the story didn't end there. It turns out our sexual development is changing in broader ways, for both men and women and even other species, and that the modern world is on pace to become an infertile one. How and why could this happen? What is hijacking our fertility and our health? *Count Down* unpacks these questions, revealing what Swan and other researchers have learned about how both lifestyle and chemical exposures are affecting our fertility, sexual development—potentially including the increase in gender fluidity—and general health as a species. Engagingly explaining the science and repercussions of these worldwide threats and providing simple and practical guidelines for

effectively avoiding chemical goods (from water bottles to shaving cream) both as individuals and societies, Count Down is at once an urgent wake-up call, an illuminating read, and a vital tool for the protection of our future.

Reproductive Health and the Environment P. Nicolopoulou-Stamati 2007-02-02 This book reviews recent trends and developments in the study of the impact that the environment has on human reproduction. It thoroughly examines these issues, using the most modern techniques and methods available, to analyze the manner in which both male and female fertility can be affected and assessed. Coverage examines such diverse factors as toxic environmental contaminants, air pollution, and exposure to medical drugs.

Communities in Action National Academies of Sciences, Engineering, and Medicine 2017-04-27 In the United States, some populations suffer from far greater disparities in health than others. Those disparities are caused not only by fundamental differences in health status across segments of the population, but also because of inequities in factors that impact health status, so-called determinants of health. Only part of an individual's health status depends on his or her behavior and choice; community-wide problems like poverty, unemployment, poor education, inadequate housing, poor public transportation, interpersonal violence, and decaying neighborhoods also contribute to health inequities, as well as the historic and ongoing interplay of structures, policies, and norms that shape lives. When these factors are not optimal in a community, it does not mean they are intractable: such inequities can be mitigated by social policies that can shape health in powerful ways. Communities in Action: Pathways to Health Equity seeks to delineate the causes of and the solutions to health inequities in the United States. This report focuses on what communities can do to promote health equity, what actions are needed by the many and varied stakeholders that are part of communities or support them, as well as the root causes and structural barriers that need to be overcome.

Reproductive Ethics in Clinical Practice Julie Chor 2021 "Like all clinicians, reproductive health care providers face specialty-specific ethical questions. However, the first editor of this book, Dr. Julie Chor (JC), has never found an ethics text that is tailored to the needs of practicing clinicians, students, and trainees in Reproductive Healthcare. This is an unfortunate gap in the literature, because whether reproductive health providers come from Obstetrics and Gynecology, Family Medicine, Pediatrics or another field, they all must be able to identify and analyze complex ethical issues that lie at the crossroads of patient decision-making, scientific advancement, political controversy, government regulation, and profound moral considerations in the context of continually evolving medical, legal, and societal factors. To fill this gap, Dr. Chor invited co-editor Professor Katie Watson (KW) to partner in creating the text that she has always longed to use but has never found as an Obstetrician-Gynecologist practicing and teaching in this complex milieu"--

Planetary Overload Anthony J. McMichael 1993-10-07 A significant and important survey of global change and its serious

impact on human health.

Environmental Biodynamics Manish Arora 2021 Is there a central scientific theory governing how human physiology interacts with the environment? Our environment exerts a profound effect on our health and well-being. Yet, the rules guiding such interaction between individual human physiology and the environment remain elusive. While various disciplines have emerged studying components and base interactions of each system, no method has successfully predicted the dynamic behavior between these complex systems in real time. Environmental Biodynamics offers a daring new inquiry into our environment and its impact on human health. Moving beyond a reductionist view of human physiology and the environment, this volume proposes a fundamental shift in environmental health science from quantifying structural relationships, such as static measures of environmental factors or momentary health indicators, to studying functional interdependencies in time. Across six chapters, the authors weave together the latest research from biology, environmental science, theoretical physics, mathematics, and philosophy to explore their Biodynamic Interface Theory, which states that complex systems connect primarily through a dynamic, operationally independent interface that regulates the bidirectional interactions between systems over time. Later chapters compare the proposed theory against current practice and provide suggestions for further methods of data collection and computational analysis. Supported by vivid full-color diagrams and a wealth of original data, Environmental Biodynamics is an accessible theoretical guide to this promising new field of environmental health

Oxford Handbook of Women's Health Nursing Sunanda Gupta 2021-10-19 Expert nursing care is vital to women's health, and successful gynaecological treatment relies on a good partnership between the woman and the health professional. Fully updated for its second edition, the Oxford Handbook of Women's Health Nursing is a vital tool in helping practitioners assist women in making informed choices and keeping up-to-date with changes to the field. Written with a focus on multi-disciplinary integrated care systems and a greater emphasis on prevention and patient autonomy, this new edition incorporates the most recent evidence-based guidelines and developments in nursing roles and contraceptive methods. Drawing on the knowledge and experience of a team of clinical experts, this handbook provides clear, practical information on all aspects of women's health nursing from the community to the hospital setting.

International Workshop on the Impact of the Environment on Reproductive Health Niels E. Skakkebaek 1993

Sacred Rights Daniel C. Maguire 2003-04-03 This book presents the work of the "Sacred Choices Initiative" of the Religious Consultation on Population, Reproductive Health, and Ethics. The purpose of this Packard and Ford Foundation supported initiative is to attempt to change international discourse on family planning and to rescue this debate from superficial sloganeering by drawing on the moral stores of the world's major and indigenous religions. In many of the

world's religions there is a restrictive and pro-natalist view on family planning, and this is one legitimate reading of those religious traditions. As the essays in this volume demonstrate, however, this is not the only legitimate or orthodox view. These authors show that the parameters of orthodoxy are wider and gentler than that, and that the great religious traditions are wiser and more variegated and nuanced than a simple repetition of the most conservative views would suggest. This theme is carried out in essays on each of the world's major religious traditions, written by scholar practitioners of those faiths.

Essentials of Environmental Public Health Science Naima Bradley 2014-01-30 Environmental public health is an interdisciplinary approach to the study of the direct and indirect impact of exposure to environmental hazards on the public's health and wellbeing. Assessing and addressing the risks of chemical, ionising and non-ionising radiation, and noise hazards requires a sound knowledge of toxicology, environmental epidemiology, environmental science, health risk assessment, and public health principles. Essentials of Environmental Science for Public Health provides practical guidance on the technical aspects of environmental and public health investigations. Written by leaders in the field, the authors provide practical, expert advice on a range of topics from key concepts and framework for investigation to contaminated land and waste management. Case studies are used to aid learning and understand of the topics discussed. Produced by Health Protection England, Essentials of Environmental Science for Public Health offers a comprehensive and structured approach to understanding environmental public health issues and will be essential reading for all students and professionals in environmental public health.

Theorizing Feminist Policy Amy G. Mazur 2002-02-07 Theorizing Feminist Policy avoids the usual clash between feminist analysis and non-feminist social science in mapping out the new field of feminist comparative policy. Instead, it intersects empirical feminist policy analysis with non-feminist policy studies to define and contribute to this new and emerging field of study. Consulting a wide sweep of empirical and theoretical work, the book first defines Feminist Comparative Policy showing how it dialogs with the adjacent non-feminist areas of Comparative Public Policy, Comparative Politics, and Public Policy Studies. Theorizing Feminist Policy seeks then to strengthen one of the weakest links of this new area - the study of explicitly feminist government action. In the remaining chapters, the books defines feminist policy as a separate sector, with eight sub sectors - blueprint, political representation, equal employment, reconciliation, family law, reproductive rights, sexuality and violence, and public service delivery. It develops a qualitative and comparative framework for analysing the profiles and styles of feminist policy in post industrial democracies and uses the framework to examine twenty seven different cases of feminist policy formation across thirteen different countries. The initial empirical study makes a case for feminist policy as a new sector of state action, concluding tentatively that successful feminist

policy formation is a subtle combination of feminist strategic partnerships, non feminist support, institutions, culture, and international influences. These tentative findings also shed new light on the perennial questions of comparative politics and policy: do politics, institutions, national policy style, sector, institutions, or culture matter the most in determining policy processes and outcomes? The book finishes by suggesting the next steps in developing comparative theories of feminist policy formation. *Theorising Feminist Policy*, therefore, goes beyond just describing the dimensions of feminist policy from existing literature, it seeks to systematically contribute to comparative theories of how the contemporary post-industrial state has taken on social change at the beginning of the 21st century.

Integrative Women's Health Victoria Maizes 2010-02-26 Women have made it clear that they desire a broader, integrative approach to their care. Here, for the first time, *Integrative Women's Health* weaves together the best of conventional treatments with mind-body interventions, nutritional strategies, herbal therapies, dietary supplements, acupuncture, and manual medicine, providing clinicians with a roadmap for practicing comprehensive integrative care. Presenting the best evidence in a concise, accessible format, and written exclusively by female clinicians, this text addresses many aspects of women's health, including feminine perspectives on aging, spirituality and sexuality, specific recommendations for the treatment of cardiovascular disease, rheumatoid arthritis, HIV, headaches, multiple sclerosis, depression, anxiety, and cancer, as well as integrative approaches to premenstrual syndrome, pregnancy, menopause, fibroids, and endometriosis. Homeopathic, Ayurvedic and traditional Chinese medicine practitioners provide insight into the ways in which these systems manage reproductive conditions. As leading educators in integrative medicine, editors Dr. Maizes and Dr. Low Dog demonstrate how clinicians can implement their recommendations in practice, but they also go beyond practical care to examine how to motivate patients, enhance a health history, and understand the spiritual dimensions of healing.

Environmental Health Takemi Otsuki 2021-12-15 *Environmental Health* discusses environmental effects on human health. It examines heavy metal pollution, biological effects of arsenic (on reproductive health, especially), effects of soil organic carbon, chemical pollution of drinking water, climate change and vector-borne diseases, marine fuels, particulate matter, and the United Nations Sustainable Development Goals (SDGs).

Preventing Occupational Disease and Injury Barry S. Levy 2005

On Infertile Ground Jade S. Sasser 2018-11-13 A critique of population control narratives reproduced by international development actors in the 21st century Since the turn of the millennium, American media, scientists, and environmental activists have insisted that the global population crisis is “back”—and that the only way to avoid catastrophic climate change is to ensure women’s universal access to contraception. Did the population problem ever disappear? What is bringing it back—and why now? In *On Infertile Ground*, Jade S. Sasser explores how a small network of international

development actors, including private donors, NGO program managers, scientists, and youth advocates, is bringing population back to the center of public environmental debate. While these narratives never disappeared, Sasser argues, histories of human rights abuses, racism, and a conservative backlash against abortion in the 1980s drove them underground—until now. Using interviews and case studies from a wide range of sites—from Silicon Valley foundation headquarters to youth advocacy trainings, the halls of Congress and an international climate change conference—Sasser demonstrates how population growth has been reframed as an urgent source of climate crisis and a unique opportunity to support women's sexual and reproductive health and rights. -Although well-intentioned—promoting positive action, women's empowerment, and moral accountability to a global community—these groups also perpetuate the same myths about the sexuality and lack of virtue and control of women and the people of global south that have been debunked for decades. Unless the development community recognizes the pervasive repackaging of failed narratives, Sasser argues, true change and development progress will not be possible. *On Infertile Ground* presents a unique critique of international development that blends the study of feminism, environmentalism, and activism in a groundbreaking way. It will make any development professional take a second look at the ideals driving their work.

The Rising Environmental and Human Health Impacts of Plastic Pollution Khursheed Ahmad Wani 2020 "This book examines the negative impacts of plastic and explores different biotechnological interventions to plastic pollution. It also generates an awareness of the use of plastics and its impact on the environment, human health, and other ecosystems"--

Textbook of Children's Environmental Health Philip J. Landrigan 2013-11-15 Over the past four decades, the prevalence of autism, asthma, ADHD, obesity, diabetes, and birth defects have grown substantially among children around the world. Not coincidentally, more than 80,000 new chemicals have been developed and released into the global environment during this same period. Today the World Health Organization attributes 36% of all childhood deaths to environmental causes. Children's environmental health is a new and expanding discipline that studies the profound impact of chemical and environmental hazards on child health. Amid mounting evidence that children are exquisitely sensitive to their environment-and that exposure during their developmental "windows of susceptibility" can trigger cellular changes that lead to disease and disability in infancy, childhood, and across the life span-there is a compelling need for continued scientific study of the relationship between children's health and environment. The *Textbook of Children's Environmental Health* codifies the knowledge base and offers an authoritative and comprehensive guide to this important new field. Edited by two internationally recognized pioneers in the area, this volume presents up-to-date information on the chemical, biological, physical, and societal hazards that confront children in today's world: pesticides, indoor and outdoor air pollution, lead, arsenic, phthalates, bisphenol A, brominated flame retardants, ionizing radiation, electromagnetic fields,

and the built environment. It presents carefully documented data on rising rates of disease in children, offers a critical summary of new research linking pediatric disease with environmental exposures, and explores the cellular, molecular, and epigenetic mechanisms underlying diseases of environmental origin. With this volume's emphasis upon integrating theory and practice, readers will find practical approaches to channeling scientific findings into evidence-based strategies for preventing and identifying the environmental hazards that cause disease in children. It is a landmark work that will serve as the field's benchmark for years to come.

Oxford Textbook of Global Public Health Roger Detels 2017 Sixth edition of the hugely successful, internationally recognised textbook on global public health and epidemiology comprehensively covering the scope, methods, and practice of the discipline.

Religion As a Social Determinant of Public Health Ellen L. Idler 2014 Leading scholars in the social sciences, public health and religion examine the embodied sacred practices of the world's religions, the history of alignment and tension between religious and public health institutions and the role of religious institutions in health and development efforts around the globe.

The Science of Adolescent Risk-Taking National Research Council 2011-02-25 Adolescence is a time when youth make decisions, both good and bad, that have consequences for the rest of their lives. Some of these decisions put them at risk of lifelong health problems, injury, or death. The Institute of Medicine held three public workshops between 2008 and 2009 to provide a venue for researchers, health care providers, and community leaders to discuss strategies to improve adolescent health.

Environmental Pollutant Exposures and Public Health R M Harrison 2020-10-27 Both genes and environment have profound effects upon our health. While some environmental factors such as polluted air are high in the public consciousness, there are many other pathways for people's exposure to toxic chemicals, such as through food, water and contaminated land. It is not only chemicals that can affect health; environmental radioactivity, pathogenic organisms and our changing climate also have implications for public health, and all contribute to the global burden of disease, leading to both disability and deaths of millions of people annually across the world. An understanding of the pathways of environmental exposure, and its effects upon health is key to developing regulations and behaviours that reduce or prevent exposure, and the consequent impacts upon health. Covering topics from dietary exposure to chemicals through to the health effects of climate change, this book brings together contributors from around the world to highlight the latest science on the impacts of environmental pollutant exposure upon public health.

Globalization and Health Ichiro Kawachi 2006-09-21 Globalization is breaking down economic, political, cultural,

demographic, and social barriers across the world at an astonishing pace. The topic of globalization can arouse passionate debate in many circles including academic journals, the popular media, and even on the streets. This new world order is marked by new actors, new rules of governance, new forms of communication, and the global movement of populations. Health is an exquisitely sensitive mirror of social conditions, and the authors of this book argue that the assessment of health is an important criterion for evaluating and monitoring the progress of globalization. This book provides an analysis of the most serious global threats to health, the tools that can be used to evaluate them, and the international agencies established to respond to them. Medical threats such as infectious diseases, obesity, tobacco use, and global climate change are discussed, but the authors also expand their scope to include socio-political health impacts such as economic inequality. The complex role of organizations such as the World Health Organization, the International Monetary Fund, and the World Bank is also analyzed, as is the increasing interconnectedness of health and non-health actors. Is this blurring of boundaries really beneficial to the public's health, or have these actors abandoned health issues for power politics? By drawing together an international group of health experts, *Globalization and Health* provides a comprehensive account of the successes and failures, as well as the challenges and opportunities of globalization for public health.

Reproductive Health and the Environment P. Nicolopoulou-Stamati 2007-06-04 This book reviews recent trends and developments in the study of the impact that the environment has on human reproduction. It thoroughly examines these issues, using the most modern techniques and methods available, to analyze the manner in which both male and female fertility can be affected and assessed. Coverage examines such diverse factors as toxic environmental contaminants, air pollution, and exposure to medical drugs.

Human Health and the Environment Third Task Force for Research Planning in Environmental Health Science 1984
Generations at Risk Ted Schettler 1999 Compelling evidence suggests that human exposure to some toxic chemicals can have lifelong and even intergenerational effects on reproduction and development. *Generations at Risk* presents compelling evidence that human exposure to some toxic chemicals can have lifelong and even intergenerational effects on human reproduction and development. The result of a collaboration involving public health professionals, physicians, environmental educators, and policy advocates, this book examines how scientific, social, economic, and political systems may fail to protect us from environmental and occupational toxicants. It is an important sourcebook for those concerned about their own health and that of their loved ones, as well as for medical and public health workers, community activists, policymakers, and industrial decision makers.

The Environmental Science of Drinking Water Patrick Sullivan 2005-08-01 In today's chemically dependent society,

environmental studies demonstrate that drinking water in developed countries contains numerous industrial chemicals, pesticides, pharmaceuticals and chemicals from water treatment processes. This poses a real threat. As a result of the ever-expanding list of chemical and biochemical products industry, current drinking water standards that serve to preserve our drinking water quality are grossly out of date. Environmental Science of Drinking Water demonstrates why we need to make a fundamental change in our approach toward protecting our drinking water. Factual and circumstantial evidence showing the failure of current drinking water standards to adequately protect human health is presented along with analysis of the extent of pollution in our water resources and drinking water. The authors also present detail of the currently available state-of-the-art technologies which, if fully employed, can move us toward a healthier future. * Addresses the international problems of outdated standards and the overwhelming onslaught of new contaminants. * Includes new monitoring data on non-regulated chemicals in water sources and drinking water. * Includes a summary of different bottled waters as well as consumer water purification technologies.

Human Reproductive Ecology Kenneth L. Campbell 1994 The recent and historically unique low level of fertility in industrialised nations poses a number of important medical questions, arising because reproductive physiology did not evolve to function optimally in this modern environment. In some non-industrialised regions, such as sub-Saharan Africa, persistent high fertility and rapid population growth are associated with environmental deterioration. How do fecundity and fertility respond to such degradations? Do improvements of industrial environments or nutrition and health measurably alter fertility or fecundity? These are some of the issues explored in this volume, which contains contributions from anthropologists, demographers, reproductive biologists and epidemiologists.

Environmental Impacts on Reproductive Health and Fertility Tracey J. Woodruff 2010-01-28 Many reproductive and developmental health problems are caused by exposure to chemicals that are widely dispersed in our environment. These problems include infertility, miscarriage, poor pregnancy outcomes, abnormal fetal development, early puberty, endometriosis, and diseases and cancers of reproductive organs. The compelling nature of the collective science has resulted in recognition of a new field of environmental reproductive health. Focusing on exposures to environmental contaminants, particularly during critical periods in development and their potential effects on all aspects of future reproductive life-course, this book provides the first comprehensive source of information bringing together the arguments that are spread out among various scientific disciplines in environmental health, clinical and public health fields. It provides a review of the science in key areas of the relationship between environmental contaminants and reproductive health outcomes, and recommendations on efforts toward prevention in clinical care and public policy.

Environmental Alteration Leads to Human Disease Vittorio Ingegnoli 2022-03-14 This book aims to explore the impact of

human alterations of Earth's ecological systems on human health. Human activities are producing fundamental biophysical changes faster than ever before in the history of our species, which are accompanied by dangerous health effects. Drawing on advanced ecological principles, the book demonstrates the importance of using systemic medicine to study the effects of ecological alterations on human health. Planetary Health is an interdisciplinary field, but first of all it must be systemic and it needs a preferential relationship between Ecology and Medicine. This relation is to be upgrading, because today both ecology and medicine pursue few systemic characters and few correct interrelations. We need to refer to new principles and methods sustained by the most advanced fields, as Landscape Bionomics and Systemic Medicine. Thus, we will be able to better discover environmental syndromes and their consequences on human health. Environmental transformations proposed by PHA (from biodiversity shifts to climate change) do not consider bionomic dysfunctions which can menace human health. On the contrary, finding advanced diagnostic criteria in landscape syndromes can strongly help to find the effects on human well-being. The passage from sick care to health care can't avoid the mentioned upgrading.

Bioenvironmental Issues Affecting Men's Reproductive and Sexual Health Suresh C Sikka 2017-11-14 Bioenvironmental Issues Affecting Men's Reproductive and Sexual Health is structured into two parts related to men's reproductive and sexual health with eight sections designed to enable a logical flow of such knowledge. The book is focused on the biology of key organs involved in male reproduction and the environmental influences affecting their functions with particular emphasis on clinical aspects. Individual chapters within the book range from basic to translational aspects, but all hold clinical relevance. This is an essential reference for those working and learning in the field of human reproduction, reproductive toxicology and environmental influences on reproductive and sexual health. Brings together the leading authorities working in the field of male reproduction and sexual health and how the environment affects these issues. Provides guidelines and reference values of various reproductive hormones, semen parameters, inclusion/exclusion criteria for clinical trials. Discover the most efficient methods by which to design clinical protocols for sperm safety studies and reproductive toxicology trials.

A Pivotal Moment Laurie Ann Mazur 2012-09-26 Through a series of essays by leading demographers, environmentalists and reproductive health advocates, A Pivotal Moment offers a new perspective on the complex connection between population dynamics and environmental quality. It presents the latest research on the relationship between population growth and climate change, ecosystem health and other environmental issues. It surveys the new demographic landscape—in which population growth rates have fallen, but human numbers continue to increase. It looks back at the lessons learned from half a century of population policy—and forward to propose twenty-first century population policies

that are sustainable and just. A Pivotal Moment puts forth the concept of “population justice,” which is inspired by reproductive justice and environmental justice movements. Population justice holds that inequality is a root cause of both rapid population growth and environmental degradation. As the authors in this volume explain, to slow population growth and build a sustainable future, women and men need access to voluntary family planning and other reproductive health services. They need education and employment opportunities, especially for women. Population justice means tackling the deep inequities—both gender and economic—that are associated with rapid population growth and unsustainable resource consumption. Where family planning is available, where couples are confident their children will survive, where girls go to school, where young men and women have economic opportunity—there couples will have healthier and smaller families.

Spermatozoa Rosaria Meccariello 2018-06-13 Spermatozoa, the haploid male gametes, are highly specialized cells capable to fertilize eggs in order to produce diploid zygote. The biogenesis of spermatozoa requires finely modulated occurrence of mitotic, meiotic, and differentiation events. Hence, the production of high-quality spermatozoa impacts fertilization with outcomes on the health of the offspring. This book provides a comprehensive overview on the biogenesis, maturation, functions and activities of spermatozoa in both physiological conditions and infertility. Particular attention has been addressed to the impact of environment on sperm quality and to the appropriate selection of high-quality spermatozoa for in vitro fertilization. Taken together, this book targets a wide audience of basic and clinical scientists, teachers and students, and offers a better understanding of spermatozoa health and disease.

Beyond the Numbers Laurie Ann Mazur 2013-04-16 Beyond the Numbers presents a thought-provoking series of essays by leading authorities on issues of population and consumption. The essays both define the poles of debate and explore common ground beyond the polarized rhetoric. Specific chapters consider each of the broad topics addressed at the International Conference on Population and Development held in September 1994 in Cairo, Egypt. The essays are supplemented by sidebars and short articles featuring more-impassioned voices that highlight issues of interest not fully explored in the overviews. As well as providing a sense of the difficulties involved in dealing with these issues, the essays make clear that constructive action is possible. Topics covered include: the interrelationships between population, economic growth, consumption, and development the history of population and family planning efforts gender equality and the empowerment of women reproductive rights, reproductive health, family planning, health and mortality

Drawdown Paul Hawken 2018-02-22 NEW YORK TIMES BESTSELLER For the first time ever, an international coalition of leading researchers, scientists and policymakers has come together to offer a set of realistic and bold solutions to climate change. All of the techniques described here - some well-known, some you may have never heard of - are

economically viable, and communities throughout the world are already enacting them. From revolutionizing how we produce and consume food to educating girls in lower-income countries, these are all solutions which, if deployed collectively on a global scale over the next thirty years, could not just slow the earth's warming, but reach drawdown: the point when greenhouse gasses in the atmosphere peak and begin to decline. So what are we waiting for?

Sex, Gender and Health Tessa M. Pollard 1999-08-26 Explores differences in health experiences of boys, girls, men and women from both biological and social perspectives.

Environment and Health in Central and Eastern Europe Clyde Hertzman 1995-01-01 This report draws on lessons learned in urban development lending to build a conceptual framework for improving the delivery of services. This framework looks beyond local governments alone as the cause of poor performance and points toward reforming the incentives they face. The report examines key issues in service delivery, such as the need to clarify the division of functional responsibilities between levels of government, to make revenue sources correspond to functional responsibilities, and to establish a governmental system that balances central regulation with local incentives for responding to constituents. The book seeks to begin a global dialog on ways of improving urban service delivery and to serve as a catalyst for further learning from the rich experience of reform underway in many developing countries. The issues addressed in the report especially pertain to countries undertaking decentralization. Also available: French (ISBN 0-8213-3314-3) Stock No. 13314; Spanish (ISBN 0-8213-3315) Stock No. 13315.

Reproductive and Perinatal Epidemiology Germaine M. Buck Louis 2011-03-23 The definitive textbook on the subject, offering a core curriculum that addresses the epidemiology of major reproductive and perinatal outcomes.