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[The Oxford Handbook of the Social Science of Obesity](#) May 16 2021 There is an urgent need to better understand the causes and consequences of obesity, and to learn what works to prevent or reduce obesity. This volume accurately and conveniently summarizes the findings and insights of obesity-related research from the full range of social sciences including anthropology, economics, government, psychology, and sociology. It is an excellent resource for researchers in these areas, both bringing them up to date on the relevant research in their own discipline and allowing them to quickly and easily understand the cutting-edge research being produced in other disciplines. The Oxford Handbook of the Social Science of Obesity is a critical reference for obesity researchers and is also valuable for public health officials, policymakers, nutritionists, and medical practitioners. The first section of the book explains how each social science discipline models human behavior (in particular, diet and physical activity), and summarizes the major research literatures on obesity in that discipline. The second section provides important practical information for researchers, including a guide to publicly available social science data on obesity and an overview of the challenges to causal inference in obesity research. The third part of the book synthesizes social science research on specific causes and correlates of obesity, such as food advertising, food prices, and peers. The fourth section summarizes social science research on the consequences of obesity, such as lower wages, job absenteeism, and discrimination. The fifth and final section reviews the social science literature on obesity treatment and prevention, such as food taxes, school-based interventions, and medical treatments such as anti-obesity drugs and bariatric surgery.

Global Perspectives on Childhood Obesity Sep 07 2020 Understanding the complex factors contributing to the growing childhood obesity epidemic is vital not only for the improved health of the world's future generations, but for the healthcare system. The impact of childhood obesity reaches beyond the individual family and into the public arenas of social systems and government policy and programs. *Global Perspectives on Childhood Obesity* explores these with an approach that considers the current state of childhood obesity around the world as well as future projections, the most highly cited factors contributing to childhood obesity, what it means for the future both for children and society, and suggestions for steps to address and potentially prevent childhood obesity. This book will cover the multi-faceted factors contributing to the rapidly growing childhood obesity epidemic. The underlying causes and current status of rapidly growing obesity epidemic in children in the global scenario will be discussed. The strategies for childhood obesity prevention and treatment such as physical activity and exercise, personalized nutrition plans and school and community involvement will be presented.

[Obesity Epidemiology](#) Nov 02 2022 During the past twenty years there has been a dramatic increase in obesity in the United States. An estimated thirty percent of adults in the US are obese; in 1980, only fifteen percent were. The issue is gaining greater attention with the CDC and with the public health world in general. This book will offer practical information about the methodology of epidemiologic studies of obesity, suitable for graduate students and researchers in epidemiology, and public health practitioners with an interest in the issue. The book will be structured in four main sections, with the majority of chapters authored by Dr. Hu, and some authored by specialists in specific areas. The first section will consider issues surrounding the definition of obesity, measurement techniques, and the designs of epidemiologic studies. The second section will address the consequences of obesity, looking at epidemiologic studies that focus on cardio-vascular disease, diabetes, and cancer. The third section will look at determinants of obesity, reviewing a wide range of risk factors for obesity including diet, physical activity and sedentary behaviors, sleep disorders, psychosocial factors, physical environment, biochemical and genetic predictors, and intrauterine exposures. In the final section, the author will discuss the analytical issues and challenges for epidemiologic studies of obesity.

Weighing the Options Mar 26 2022 Nearly one out of every three adults in America is obese and tens of millions of people in the United States are dieting at any one time. This has resulted in a weight-loss industry worth billions of dollars a year and growing. What are the long-term results of weight-loss programs? How can people sort through the many programs available and select one that is right for them? *Weighing the Options* strives to answer these questions. Despite widespread public concern about weight, few studies have examined the long-term results of weight-loss programs. One reason that evaluating obesity management is difficult is that no other treatment depends so much on an individual's own initiative and state of mind. Now, a distinguished group of experts assembled by the Institute of Medicine addresses this compelling issue. *Weighing the Options* presents criteria for evaluating treatment programs for obesity and explores what these criteria mean--to health care providers, program designers, researchers, and even overweight people seeking help. In presenting its criteria the authors offer a wealth of information about weight loss: how obesity is on the rise, what types of weight-loss programs are available, how to define obesity, how well we maintain weight loss, and what approaches and practices appear to be most successful. Information about weight-loss programs--their clients, staff qualifications, services, and success rates--necessary to make wise program choices is discussed in detail. The book examines how client demographics and characteristics--including health status, knowledge of weight-loss issues, and attitude toward weight and body image--affect which programs clients choose, how successful they are likely to be with their choices, and what this means for outcome measurement. Short- and long-term safety consequences of weight loss are discussed as well as clinical assessment of individual patients. The authors document the health risks of being overweight, summarizing data indicating that even a small weight loss reduces the risk of disease and depression and increases self-esteem. At the same time, weight loss has been associated with some poor outcomes, and the book discusses the implications for program evaluation. Prevention can be even more important than treatment. In *Weighing the Options*, programs for population groups, efforts targeted to specific groups at high risk for obesity, and prevention of further weight gain in obese individuals get special attention. This book provides detailed guidance on how the weight-loss industry can improve its programs to help people be more successful at long-term weight loss. And it provides consumers with tips on selecting a program that will improve their chances of permanently losing excess weight.

The Challenge of Obesity in the WHO European Region and the Strategies for Response Jul 30 2022 In a brief, clear and easily accessible way, this summary illustrates the dynamics of the obesity epidemic and

its impact on public health throughout the WHO European Region, particularly in eastern countries. It describes how factors that increase the risk of obesity are shaped in different settings, such as the family, school, community and workplace. It makes both ethical and economic arguments for accelerating action against obesity, and analyses effective programs and policies in different government sectors, such as education, health, agriculture and trade, urban planning and transport. The summary also describes how to design policies and programs to prevent obesity and how to monitor progress, and calls for specific action by stakeholders: not only government sectors but also the private sector - including food manufacturers, advertisers and traders - and professional consumers' and international and intergovernmental organizations such as the European Union.

Advanced Nutrition and Dietetics in Obesity Aug 31 2022 This addition to the British Dietetic Association Advanced Nutrition and Dietetics book series is written for clinicians and researchers who work with any aspect of obesity and its comorbid conditions. Featuring contributions from leading researchers and practitioners from around the globe Advanced Nutrition and Dietetics in Obesity offers a uniquely international perspective on what has become a worldwide public health crisis. Chapters cover a full range of new ideas and research on the underlying drivers of obesity in populations including discussions on the genetic and clinical aspects of obesity, along with expert recommendations on how to effectively manage and prevent this chronic and persistent disease. Providing a comprehensive overview of the key literature in this field, Advanced Nutrition and Dietetics in Obesity is an invaluable resource for all those whose work should or does embrace any aspect of obesity.

The Carnivore Diet Nov 29 2019 Shawn Baker's Carnivore Diet is a revolutionary, paradigm-breaking nutritional strategy that takes contemporary dietary theory and dumps it on its head. It breaks just about all the "rules" and delivers outstanding results. At its heart is a focus on simplicity rather than complexity, subtraction rather than addition, making this an incredibly effective diet that is also easy to follow. The Carnivore Diet reviews some of the supporting evolutionary, historical, and nutritional science that gives us clues as to why so many people are having great success with this meat-focused way of eating. It highlights dramatic real-world transformations experienced by people of all types. Common disease conditions that are often thought to be lifelong and progressive are often reversed on this diet, and in this book, Baker discusses some of the theory behind that phenomenon as well. It outlines a comprehensive strategy for incorporating the Carnivore Diet as a tool or a lifelong eating style, and Baker offers a thorough discussion of the most common misconceptions about this diet and the problems people have when transitioning to it.

Adiposity Sep 19 2021 This book is the first in a series of two, featuring the Adiposity - Epidemiology and Treatment Modalities, serving as a summary of the traditional views on how the organ systems are affected when higher organs start to suffer from enhanced body weight, where most of this additional weight consists of white adipose tissue (WAT). The understanding of the "epidemiology" of obesity will consequently enable clinicians and researchers to better understand the untoward "trends" of "metabolic aberrations" from a well-organized and health-bringing homeostasis, with fully responding WAT and BAT, thus enabling a balance between fat-producing and fat-metabolizing tissues for the benefit of the various organ systems taking care of the fat and carbohydrate metabolism, normally yielding a balanced energy turnover, ensuring "healthy" cell phenotypes, which optimally coordinate the energy metabolism in a well-functioning organism throughout a lifetime.

Advances in Communication Research to Reduce Childhood Obesity Jul 26 2019 Rates of childhood obesity are alarmingly high and increasing each year. Studies have shown that obese children are more likely to become obese adults and are likely to suffer with numerous health consequences like coronary heart disease, high blood pressure, and Type II diabetes, among others. Studies also indicate that television viewing and exposure to advertising for food products influences children's attitudes toward, food preferences and food purchase requests for foods with low nutritional value. It is important to better understand the role of media in childhood obesity and to learn how media may be used to address this issue in a positive way. This book focuses on communication and media research that can have an impact on reducing childhood obesity. Emphasis is placed on topics related to how the media communicate health-related messages about food, nutrition and diet that influence childhood obesity. Particular emphasis is on the new media, given the fact that media now have more central roles in socializing today's children and youth than ever before. Advertising and marketing messages reach young consumers through a variety of vehicles - broadcast and cable television, radio, magazines, computers through the Internet, music, cell phones - and in many different venues - homes, schools, child-care settings, grocery stores, shopping malls, theaters, sporting events, and even airports. In addition, given the disparity in obesity rates between children of color and the general population, special attention is given to research on media targeting these populations.

Trends in Obesity Research Feb 10 2021 Far from a sign of healthy prosperity and contentment, overweight and obesity are now considered high risk factors for a wide range of diseases including early death and disability, heart disease, diabetes, reproductive problems, cancer, breathing problems and arthritis. Obesity, now at epidemic levels in many countries, is defined as an excessively high amount of body fat or adipose tissue in relation to lean body mass. The amount of body fat (or adiposity) includes concern for both the distribution of fat throughout the body and the size of the adipose tissue deposits. This book includes within its scope the causal connection of obesity to diseases as well as the prevention and treatment of obesity. Leading-edge scientific research from throughout the world is presented in this book.

Role of Obesity in Human Health and Disease Oct 21 2021 Many factors influence obesity including genetic, environmental, and lifestyle factors. Studies have shown obesity to be related to increased risk of human diseases. Despite efforts by health professionals to regulate obesity, its prevalence has increased globally in the past few decades. A better understanding of the causes of obesity and mechanisms by which obesity increases the risk of human diseases can lead to developing effective strategies that can save many lives worldwide. This book addresses some important aspects of the relationship between obesity and human health. Chapters cover such topics as body mass index, endocrine disorders, obesity, and endometrial cancer, the role of lifestyle factors in obesity, and much more.

2000 CDC Growth Charts for the United States Jun 16 2021

Bridging the Evidence Gap in Obesity Prevention Apr 26 2022 To battle the obesity epidemic in America, health care professionals and policymakers need relevant, useful data on the effectiveness of obesity prevention policies and programs. Bridging the Evidence Gap in Obesity Prevention identifies a new approach to decision making and research on obesity prevention to use a systems perspective to gain a broader understanding of the context of obesity and the many factors that influence it.

The Surgeon General's Vision for a Healthy and Fit Nation, 2010 Jun 28 2022 In the 2001 Surgeon General's Call to Action to Prevent and Decrease Overweight and Obesity, former Surgeon General David Satcher, MD, PhD, warned of the negative effects of the increasing weight of American citizens and outlined a public health response to reverse the trend. The Surgeon General plans to strengthen and expand this blueprint for action created by her predecessor. Although the country has made some strides since 2001, the prevalence of obesity, obesity-related diseases, and premature death remains too high.

Count Down Oct 28 2019 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.

Treatment of the Obese Patient Oct 01 2022 The aim of this book is to inform clinicians of recent advances in obesity research and provide a review of current treatment issues and strategies. Part 1 covers new discoveries in the physiological control of body weight, as well as the pathophysiology of obesity. Part 2 covers a range of issues that are central to the clinical management of obese patients. This illustrated volume will stimulate and engage clinicians.

Obesity and Lipotoxicity Nov 09 2020 Due to the resultant health consequences and considerable increase in prevalence, obesity has become a major worldwide health problem. "Obesity and Lipotoxicity" is a comprehensive review of the recent researches to provide a better understanding of the lipotoxicity-related mechanisms of obesity and the potential for the development of new treatment strategies. This book overviews the biochemical pathways leading to obesity-related metabolic disorders that occur subsequent to lipotoxicity. Chapters examine the deleterious effects of nutrient excess at molecular level including the cellular and molecular aspects of breast cancer, resistance to leptin, insulin, adiponectin, and interconnection between the circadian clock and metabolic pathways during high-fat feeding. "Lipotoxicity and Obesity" will be a useful resource for clinicians and basic science researchers, such as biochemists, toxicologists, immunologists, nutritionists, adult and pediatric endocrinologists, cardiologists, as well as students who are thought in this field.

Overweight Among U.S. Children and Adolescents Jun 24 2019

Obesity Dec 11 2020 Obesity continues to accelerate resulting in an unprecedented epidemic that shows no significant signs of slowing down any time soon. The World Health Organization reports that in 2016, nearly 2 billion adults were overweight and that worldwide obesity has nearly tripled since 1975. Obesity: Global Impact and Epidemiology is an important tool in proving a link to new knowledge, serving researchers and clinicians. The field of obesity is evolving very quickly and there is an abundance of scientific data that has emerged and is emerging constantly. Researchers and physicians need new updated information about the epidemiology and global impact of obesity that come from authors that have a wide perspective in the field. For health professionals and researchers, there is a need to understand how obesity begins. While a simple question, the answer is very complex. Serves as a starting point for in-depth discussions in academic settings, leading to revised and updated treatment options for practicing obesity-treatment specialists Offers practical information about the methodology of epidemiologic studies of obesity Updated important source of information for clinicians and scientists in the field of obesity

The Genetics of Obesity Jan 24 2022 This book provides a comprehensive compilation of the evidence available regarding the role of genetic differences in the etiology of human obesities and their health and metabolic implications. It also identifies the most promising research areas, methods, and strategies for use in future efforts to understand the genetic basis of obesities and their consequences on human health. Leading researchers in their respective fields present contributed chapters on such topics as etiology and the prevalence of obesities, nongenetic determinants of obesity and fat topography, and animal models and molecular biological technology used to delineate the genetic basis of human obesities. A major portion of the book is devoted to human genetic research and clinical observations encompassing adoption studies, twin studies, family studies, single gene effects, temporal trends and etiology heterogeneity, energy intake and food preference, energy expenditure, and susceptibility to metabolic derangements in the obese state. Future directions of research in the field are covered in the book as well.

Clinical Guidelines on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults Oct 09 2020 Of evidence-based recommendations -- Introduction -- Overweight and obesity: background -- Examination of randomized controlled trial evidence -- Treatment guidelines -- Summary of recommendations -- Future research.

The New Public Health Sep 27 2019 The New Public Health has established itself as a solid textbook throughout the world. Translated into 7 languages, this work distinguishes itself from other public health textbooks, which are either highly locally oriented or, if international, lack the specificity of local issues relevant to students' understanding of applied public health in their own setting. This 3e provides a unified approach to public health appropriate for all masters' level students and practitioners—specifically for courses in MPH programs, community health and preventive medicine programs, community health education programs, and community health nursing programs, as well as programs for other medical professionals such as pharmacy, physiotherapy, and other public health courses. Changes in infectious and chronic disease epidemiology including vaccines, health promotion, human resources for health and health technology Lessons from H1N1, pandemic threats, disease eradication, nutritional health Trends of health systems and reforms and consequences of current economic crisis for health Public health law, ethics, scientific d health technology advances and assessment Global Health environment, Millennium Development Goals and international NGOs

Obesity in Childhood and Adolescence May 04 2020 Obesity in childhood and adolescence has reached epidemic proportions in all industrialized countries around the world. Its impact on individual lives as well as on health economics has to be recognized by physicians and the public alike. Among the most common consequences of obesity in the adolescent are hypertension, dyslipidemia, back pain and psychosocial problems. Therapeutic strategies include psychological and family therapy, lifestyle/behavior modification and nutrition education. The role of regular exercise and exercise programs is emphasized. Surgical procedures and drugs used in adult obesity are still not generally recommended for obese adolescents. This book aims to increase physicians knowledge and understanding of obesity in childhood and adolescence as well as to further public awareness of the health burden and economic dimension of obesity at a young age. Several chapters deliver insights into the basic understanding of which factors contribute to or prevent the development of overweight and obesity in young people. Other contributions provide tools for the clinician to manage the care of the child and adolescent with overweight/obesity. In addition, knowledge from the latest scientific studies on the molecular biology of obesity is also presented.

Preventing Childhood Obesity Jul 06 2020 Children's health has made tremendous strides over the past century. In general, life expectancy has increased by more than thirty years since 1900 and much of this improvement is due to the reduction of infant and early childhood mortality. Given this trajectory toward a healthier childhood, we begin the 21st-century with a shocking development—an epidemic of obesity in children and youth. The increased number of obese children throughout the U.S. during the past 25 years has led policymakers to rank it as one of the most critical public health threats of the 21st-century. Preventing Childhood Obesity provides a broad-based examination of the nature, extent, and consequences of obesity in U.S. children and youth, including the social, environmental, medical, and dietary factors responsible for its increased prevalence. The book also offers a prevention-oriented action plan that identifies the most promising array of short-term and longer-term interventions, as well as recommendations for the roles and responsibilities of numerous stakeholders in various sectors of society to reduce its future occurrence. Preventing Childhood Obesity explores the underlying causes of this serious health problem and the actions needed to initiate, support, and sustain the societal and lifestyle changes that can reverse the trend among our children and youth.

Choosing Health Aug 26 2019 Chapter headings: 1 The time for action on health and health inequalities 2 Health in the consumer society 3 Children and young people - starting on the right path 4 Local communities leading for health 5 Health as a way of life 6 A health-promoting NHS 7 Work and health 8 Making it happen - national and local delivery.

Eating Disorders and Obesity Aug 19 2021 Eating Disorders have traditionally been considered apart from public health concerns about increasing obesity. It is evident that these problems are, however, related in important ways. Comorbid obesity and eating disorder is increasing at a faster rate than either obesity or eating disorders alone and one in five people with obesity also presents with an Eating Disorder, commonly but not limited to Binge Eating Disorder. New disorders have emerged such as normal weight or Atypical Anorexia Nervosa. However research and practice too often occurs in parallel with a failure to understand the weight disorder spectrum and consequences of co-morbidity that then contributes to poorer outcomes for people living with a larger size and an Eating Disorder. Urgently needed are trials that will inform more effective assessment, treatment and care where body size and eating disorder symptoms are both key to the research question.

Storing Up Problems Aug 07 2020 This report examines the complex social cause of the obesity 'epidemic', and recommends a range of public health measures, at national and local level, that are needed to address it.

Assessing Prevalence and Trends in Obesity Apr 02 2020 Obesity has come to the forefront of the American public health agenda. The increased attention has led to a growing interest in quantifying obesity prevalence and determining how the prevalence has changed over time. Estimates of obesity prevalence and trends are fundamental to understanding and describing the scope of issue. Policy makers, program planners, and other stakeholders at the national, state, and local levels are among those who search for estimates relevant to their population(s) of interest to inform their decision-making. The differences in the collection, analysis, and interpretation of data have given rise to a body of evidence that is inconsistent and has created barriers to interpreting and applying published reports. As such, there is a need to provide guidance to those who seek to better understand and use estimates of obesity prevalence and trends. *Assessing Prevalence and Trends in Obesity* examines the approaches to data collection, analysis, and interpretation that have been used in recent reports on obesity prevalence and trends at the national, state, and local level, particularly among U.S. children, adolescents, and young adults. This report offers a framework for assessing studies on trends in obesity, principally among children and young adults, for policy making and program planning purposes, and recommends ways decision makers and others can move forward in assessing and interpreting reports on obesity trends.

Caloric Intake from Fast Food Among Adults Nov 21 2021

Obesity and its Impact on Health Jun 04 2020 This book summarizes the effects of obesity on health and its correlation with a wide range of debilitating and life-threatening conditions in humans. It discusses the possible pathological mechanisms that are involved in the development of obesity and highlights obesity-associated molecular mechanisms that contribute to reproductive dysfunctions in men and women. The book provides mechanistic insights on the role of obesity in cardiovascular and respiratory disorders, and examines the role of the complementary molecular mechanism of the gut microbiota in the development of obesity. It also reviews the interaction between the metabolic system and immune cells in the pathogenesis of obesity-associated diseases. Lastly, it assesses the latest advances in nanomedicine as an emerging strategy for the treatment of obesity.

Weight Control and Physical Activity Apr 14 2021 Avoiding overweight and obesity is the best-established diet-related risk factor for cancer. The proportion of people who are overweight/obese is increasing, and the amount of physical activity is decreasing in most populations, including urban populations in many developing countries. The increasing prevalence of overweight/obesity is presumably due to the increasing availability of highly palatable, high-energy foods, and an increasing sedentary lifestyle due to mechanisation of both workplace and leisure activities. Overweight/obesity and reduced physical activity increases the risk of cancers in various organs. Maintaining a healthy body weight and regular physical activity is the second most important way to prevent cancer, after tobacco control. The suggestions of possible public health actions to tackle these risk factors include the promotion of balanced diets, which are not excessive in energy, and broad education and planning to enable and encourage physical activity during work and leisure. Recommendations and a full discussion of these topics are included in the sixth volume in this series of Handbooks.

Obesity Dec 31 2019 Obesity is a global ticking time-bomb with huge potential negative economic and health impacts, especially for the poor. Countries and global partners need to act urgently to address this ensuing epidemic with emphasis highlighting interventions that require corrective public action rather than one of individual responsibility.

The Link Between Socioeconomic Status and Childhood Obesity Dec 23 2021 Essay from the year 2007 in the subject Sociology - Children and Youth, grade: 1, Egerton University (BIOCHEMISTRY & MOLECULAR SCIENCE), course: BIOCHEMISTRY, language: English, abstract: Childhood obesity is seemingly becoming an enormous epidemiological challenge to the global healthcare system. In the past decade, prevalence rates of childhood obesity have assumed upward trends, in which developed countries record the highest percentages of obese and overweight children. However, prevalence rates in developing countries are increasing at a slow phase but, the overall obese children population remains relatively low. Therefore, this research paper will give an overview of the correlation between Socioeconomic Status and childhood obesity. Although there are many factors that put children at risk for childhood obesity, Social Economic Status seems to affect all risk factors that are responsible for the increase in childhood obesity.

Weight Management Jan 30 2020 The primary purpose of fitness and body composition standards in the U.S. Armed Forces has always been to select individuals best suited to the physical demands of military service, based on the assumption that proper body weight and composition supports good health, physical fitness, and appropriate military appearance. The current epidemic of overweight and obesity in the United States affects the military services. The pool of available recruits is reduced because of failure to meet body composition standards for entry into the services and a high percentage of individuals exceeding military weight-for-height standards at the time of entry into the service leave the military before completing their term of enlistment. To aid in developing strategies for prevention and remediation of overweight in military personnel, the U.S. Army Medical Research and Materiel Command requested the Committee on Military Nutrition Research to review the scientific evidence for: factors that influence body weight, optimal components of a weight loss and weight maintenance program, and the role of gender, age, and ethnicity in weight management.

Obesity May 28 2022 This report issues a call for urgent action to combat the growing epidemic of obesity, which now affects developing and industrialized countries alike. Adopting a public health approach, the report responds to both the enormity of health problems associated with obesity and the notorious difficulty of treating this complex, multifactorial disease. With these problems in mind, the report aims to help policy-makers introduce strategies for prevention and management that have the greatest chance of success. The importance of prevention as the most sensible strategy in developing countries, where obesity coexists with undernutrition, is repeatedly emphasized. Recommended lines of action, which reflect the consensus reached by 25 leading authorities, are based on a critical review of current scientific knowledge about the causes of obesity in both individuals and populations. While all causes are considered, major attention is given to behavioural and societal changes that have increased the energy density of diets, overwhelmed sophisticated regulatory systems that control appetite and maintain energy balance, and reduced physical activity. Specific topics discussed range from the importance of fat content in the food supply as a cause of population-wide obesity, through misconceptions about obesity held by both the medical profession and the public, to strategies for dealing with the alarming prevalence of obesity in children. "... the volume is clearly written, and carries a wealth of summary information that is likely to be invaluable for anyone interested in the public health aspects of obesity and fatness, be they students, practitioner or researcher." - *Journal of Biosocial Science*

Obesity and Mental Disorders Jul 18 2021 Currently, there are a limited amount of guidelines to help clinicians manage patients with obesity and comorbid mental disorders. This expertly written source fills the gap in the literature by providing a clear overview of obesity and its relationship to mental illness while reviewing the most recent methods to manage and control the condition with diet, exercise, psychological treatments, pharmacotherapy, and surgery.

Implications of Childhood Overweight and Obesity on Learning Behaviour and Classroom Performance Mar 02 2020 Research Paper (postgraduate) from the year 2010 in the subject Pedagogy - Pedagogic Sociology, grade: none, University of Dar es Salaam, language: English, abstract: This article is based on a study carried out from October, 2007 to May, 2008 that investigated the extent to which overweight and obesity were challenges among primary school children in Kinondoni and Njombe Districts in Tanzania. Systematic random sampling was used to select schools while stratified sampling and simple random sampling were used in selecting pupils and teachers who participated in the study. Measurement of weights and heights was done to determine Body Mass Index (BMI), while measurement of skin folds was done to determine body fat percentage. Close-ended questionnaires, semi-structured interviews and focus group discussions were used to collect data on the implications of overweight and obesity on health and learning behaviours. Findings of the study revealed that an average of 13.5% of children were overweight or obese. Hypertension, excessive sweating, teasing and peer rejection were common to obese children. In addition, overweight and

obese children were reported to perform less than their peers in academic and physical activities. This study rerecommends among other things the establishment of education programs through mass media to raise people's awareness of how overweight and obesity affects children's health, social and classroom learning behaviours as well as performance. [...]

Obesity Jan 12 2021 The World Health Organization (WHO) has declared obesity a global epidemic. Its prevalence has more than doubled since 1980, causing a myriad of health problems for children and adults. *Obesity: Epidemiology, Pathophysiology, and Prevention, Second Edition* explores the molecular mechanisms and pathophysiology leading to obesity and metabolic disorders. It examines the safety of obesity drugs and drug development strategies as well as the role of physical activity, nutrition, and nutraceutical supplements in obesity treatment and prevention. With contributions from a cadre of internationally known experts, the book covers a spectrum of essential topics related to this widespread phenomenon, including: The relationship between obesity and type 2 diabetes The addiction mechanism related to refined foods as a significant factor in obesity The correlation between obesity and environmental estrogens, endocrine disruption, cigarette smoking, and inflammatory response The role of drug and chemical toxicities and genomic imprinting disorders in obesity The safety and regulation of prescription and over-the-counter weight loss drugs Various diets, the glycemic index, and the role of exercise in treating or preventing obesity Controversy over effective vs. banned weight loss supplements Childhood obesity and its prevention Bariatric surgery for weight management and reversal of metabolic disorders As the public has become more aware of the deadly adverse effects of obesity, numerous products and programs have targeted the overweight and obese population, many with dangerous side effects. It is essential that we develop strategic, therapeutic intervention supported by credible data. This volume is an ideal reference point for researchers looking for new avenues of inquiry and practicing medical professionals, clinical nutritionists, and dietitians seeking guidance for their patients.

Food, Diet and Obesity Feb 22 2022 The global obesity epidemic is arguably the most serious health issue facing the food industry today. Food manufacturers are under increasing pressure over both the degree to which they are seen as contributing to the problem, and the role they should play in solving it. Drawing on the expertise of many of the world's leading experts in this area, *Food, diet and obesity* summarises the key research on the links between obesity and diet. Topics discussed include trends in obesity, the evidence behind popular diets and meal replacers, the effectiveness of fat and sugar replacers in food, emerging issues such as the value of the glycemic index, protein content and calcium in weight control, and potential functional food targets and ingredients for weight control. After an introductory chapter on global trends in obesity, part one looks at the range of contributing factors to obesity, from nutrient-gene interactions, energy metabolism and physical activity to sensory responses to food, portion size and the psychology of overeating. Part two looks at macronutrients and their role in weight gain or loss, with chapters on topics such as energy density, dietary fat, carbohydrates, protein and dietary fibre. The final part of the book discusses issues in developing effective strategies for weight control, from gaining consumer acceptance of weight-control food products, through functional food ingredients, to community-based public health approaches in preventing obesity. With its distinguished editor and contributors, *Food, diet and obesity* is a standard work for health professionals, nutritionists and R&D staff throughout the food industry, as well as all those concerned with understanding and reducing obesity. Summarises key research which links diet and obesity Trends in obesity are examined Contributory factors to obesity are investigated, including lifestyle and genetics

The Practical Guide Mar 14 2021