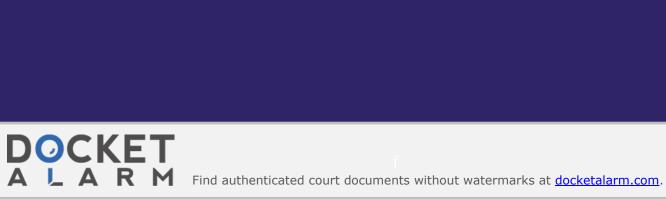


Dietary Guidelines for Americans 2005

U.S. Department of Health and Human Services









MESSAGE FROM THE SECRETARIES

We are pleased to present the 2005 *Dietary Guidelines for Americans*. This document is intended to be a primary source of dietary health information for policymakers, nutrition educators, and health providers. Based on the latest scientific evidence, the 2005 *Dietary Guidelines* provides information and advice for choosing a nutritious diet, maintaining a healthy weight, achieving adequate exercise, and "keeping foods safe" to avoid foodborne illness.

This document is based on the recommendations put forward by the Dietary Guidelines Advisory Committee. The Committee was composed of scientific experts who were responsible for reviewing and analyzing the most current dietary and nutritional information and incorporating this into a scientific evidence-based report. We want to thank them and the other public and private professionals who assisted in developing this document for their hard work and dedication.

The more we learn about nutrition and exercise, the more we recognize their importance in everyday life. Children need a healthy diet for normal growth and development, and Americans of all ages may reduce their risk of chronic disease by adopting a nutritious diet and engaging in regular physical activity.

However, putting this knowledge into practice is difficult. More than 90 million Americans are affected by chronic diseases and conditions that compromise their quality of life and well-being. Overweight and obesity, which are risk factors for diabetes and other chronic diseases, are more common than ever before. To correct this problem, many Americans must make significant changes in their eating habits and lifestyles.

We live in a time of widespread availability of food options and choices. More so than ever, consumers need good advice to make informed decisions about their diets. The 2005 *Dietary Guidelines* will help Americans choose a nutritious diet within their energy requirements. We believe that following the recommendations in the *Dietary Guidelines* will assist many Americans in living longer, healthier, and more active lives.

Tommy G. Thompson

Secretary of Health and Human Services

Ann M. Veneman Secretary of Agriculture

ACKNOWLEDGMENTS

The U.S. Department of Health and Human Services (HHS) and the U.S. Department of Agriculture (USDA) acknowledge the recommendations of the Dietary Guidelines Advisory Committee—the basis for this edition. The Committee consisted of Janet C. King, Ph.D., R.D. (chair), Lawrence J. Appel, M.D., M.P.H., Benjamin Caballero, M.D., Ph.D., Fergus M. Clydesdale, Ph.D., Penny M. Kris-Etherton, Ph.D., R.D., Theresa A. Nicklas, Dr.P.H., M.P.H., L.N., F. Xavier Pi-Sunyer, M.D., M.P.H., Yvonne L. Bronner, Sc.D., R.D., L.D., Carlos A. Camargo, M.D., Dr.P.H., Vay Liang W. Go, M.D., Joanne R. Lupton, Ph.D., Russell R. Pate, Ph.D., Connie M. Weaver, Ph.D., and the scientific writer/editor, Carol Suitor, Sc.D.

The Departments also acknowledge the work of the departmental scientists, staff, and policy officials responsible for the production of this document:

From HHS: Laura Lawlor, Michael O'Grady, Ph.D., Cristina Beato, M.D., Les Crawford, D.V.M., Ph.D., Barbara Schneeman, Ph.D., Kathryn Y. McMurry, M.S., Deb Galuska, Ph.D., Van Hubbard, M.D., Ph.D., Mary Mazanec, M.D., J.D., Penelope Royall, P.T., M.S.W., Laina Bush, M.B.A., Diane Thompson M.P.H., R.D., Susan Anderson, M.S., R.D., Jean Pennington, R.D., Ph.D., Susan M. Krebs-Smith, Ph.D., R.D., Wendy Johnson-Taylor, Ph.D., Kim Stitzel, M.S., R.D., Jennifer Weber, R.D., M.P.H., Pamela E. Starke-Reed, Ph.D., Paula R. Trumbo, Ph.D., Jennifer Seymour, Ph.D., Darla Danford, D.Sc., M.P.H, R.D., Christine Dobday, Donna Robie Howard, Ph.D., Ginny Gunderson, and Adam Michael Clark, Ph.D.

From USDA: Beth Johnson, M.S., R.D., Eric Bost, Eric Hentges, Ph.D., Kate Coler, Rodney Brown, Ph.D., Carole Davis, M.S., R.D., Dorothea K. Vafiadis, M.S., Joan M.G. Lyon, M.S., R.D., L.D., Trish Britten, Ph.D., Molly Kretsch, Ph.D., Pamela Pehrsson, Ph.D., Jan Stanton, M.S., M.B.A., R.D., Susan Welsh, Ph.D., Joanne Guthrie, M.P.H., R.D., Ph.D., David Klurfeld, Ph.D., Gerald F. Combs, Jr., Ph.D., Beverly Clevidence, Ph.D., Robert Mitchell Russell, M.D., Colette I. Thibault, M.S., R.D., L.D., Sedigheh-Essie Yamini, Ph.D., R.D., Kristin L. Marcoe, M.B.A., R.D., and David M. Herring, M.S.

The Departments also acknowledge the important role of those who provided input and public comments throughout this process. Finally, the Departments acknowledge the contributions of numerous other internal departmental scientists and staff that contributed to the production of this document, including the members of the Independent Scientific Review Panel who peer reviewed the recommendations of the document to ensure they were based on a preponderance of scientific evidence.



Contents

MESSAGE FROM THE	E SECRETARIES	
ACKNOWLEDGMENT	S	i
EXECUTIVE SUMMAR	Y	\
CHAPTER 1	Background and Purpose of the Dietary Guidelines for Americans	1
CHAPTER 2	Adequate Nutrients Within Calorie Needs	5
CHAPTER 3	Weight Management	. 13
CHAPTER 4	Physical Activity	. 19
CHAPTER 5	Food Groups To Encourage	. 23
CHAPTER 6	Fats	. 29
CHAPTER 7	Carbohydrates	. 35
CHAPTER 8	Sodium and Potassium	. 39
CHAPTER 9	Alcoholic Beverages	. 43
CHAPTER 10	Food Safety	. 47
APPENDIX A	Eating Patterns	. 51
APPENDIX A-1	DASH Eating Plan at 1,600-, 2,000-, 2,600-, and 3,100-Calorie Levels	. 51
APPENDIX A-2	USDA Food Guide	. 53
APPENDIX A-3	Discretionary Calorie Allowance in the USDA Food Guide	. 55
APPENDIX B	Food Sources of Selected Nutrients	. 56
APPENDIX B-1	Food Sources of Potassium	56
APPENDIX B-2	Food Sources of Vitamin E	. 57
APPENDIX B-3	Food Sources of Iron	. 58
APPENDIX B-4	Non-Dairy Food Sources of Calcium	. 59
APPENDIX B-5	Food Sources of Calcium	. 60
APPENDIX B-6	Food Sources of Vitamin A	. 61
APPENDIX B-7	Food Sources of Magnesium	. 62
APPENDIX B-8	Food Sources of Dietary Fiber	63
APPENDIX B-9	Food Sources of Vitamin C	. 65
APPENDIX C	Glossary of Terms	. 67
APPENDIX D	Acronyms	. 70



DOCKET

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

