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Medical Laboratory Science Review *F.A. Davis* Use this comprehensive resource to gain the theoretical and practical knowledge you need to be prepared for classroom tests and certification and licensure examinations. **BOR Study Guide Clinical Laboratory Certification Examinations Basic & Applied Concepts of Blood Banking and Transfusion Practices - E-Book** *Elsevier Health Sciences* Using an easy-to-understand writing style, this text integrates immunohematology theory and application to provide you with the knowledge and skills you need to be successful in blood banking. Problem-solving exercises and case studies help you develop a solid understanding of all areas of blood banking. Learning objectives begin each chapter. Illustrated blood group boxes throughout chapter 6, Other Blood Group Systems, give the ISBT symbol, number, and the clinical significance of the antibodies at a glance. Margin notes and definitions in each chapter highlight important material and offer additional explanations. Chapter summaries recap the most important points of the chapter. Study questions at the end of each chapter provide an opportunity for review. Critical thinking exercises with case studies help you apply what you have learned in the chapter. **UPDATED!** Information and photos on automation include equipment actually used in the lab. Flow charts showing antibody detection and identification help you detect and identify antibodies. Advanced topics on Transplantation and Cellular Therapy, the HLA System, Molecular Techniques and Applications, Automation, Electronic Crossmatching, and Therapeutic Apheresis make the text relevant for 4-year MLS programs. **Clinical Laboratory Science Review A Bottom Line Approach Blood Bank Technology Horse Owner's Veterinary Handbook** **Howell Book House* Completely updated with the latest information on infectious diseases, parasites, breeding and foaling, and alternative therapies, the Horse Owner's Veterinary Handbook, Third Edition is still as useful and easy to navigate as the original, classic text. With an index of signs and symptoms, a guide to the organs and body systems, a general index, cross-references, and a helpful glossary, this book will help you diagnose and treat your horse. You will appreciate the well-organized contents, which will help you find the information you need quickly, when your horse needs your help most. **Technical Manual Samples:From the Patient to the Laboratory The impact of preanalytical variables on the quality of laboratory results** *John Wiley & Sons* This forth updated edition contains the latest developments in analytical techniques. An international team of authors summarizes the information on biological influences, analytical interferences and on the variables affecting the collection, transport and storage as well as preparation of samples. They cover age, gender, race, pregnancy, diet, exercise and altitude, plus the effects of stimulants and drugs. National and international standards are described for sampling procedures, transport, sample identification and all safety aspects, while quality assurance procedures are shown for total laboratory management. In addition, the authors provide a glossary as well as a separate list of analytes containing the available data on reference intervals, biological half-life times, stability and influence and interference factors. For everyone involved in patient care and using or performing laboratory tests. **WHO Laboratory Manual for the Examination of Human Semen and Sperm-Cervical Mucus Interaction** *Cambridge University Press* The definitive and essential source of reference for all laboratories involved in the analysis of human semen. **Biosafety in Microbiological and Biomedical Laboratories Clinical Laboratory Science Review** *F. A. Davis Company* -- Covers the major divisions of the medical technology (clinical laboratory science) certification examinations: hematology; immunology; immunohematology; microbiology; clinical chemistry; body fluids; and education and management-- Problem-solving section for each chapter-- A study guide for use during and after training-- Includes over 1,500 multiple-choice questions that allow the student to identify strengths, weaknesses, and gaps in knowledge base-- 50 color plates -- twice as many as the 1st edition!-- Provides rationales for both correct and incorrect answers; correct answer and rationale appear on the same page as the question; and each question is followed by a test item classification-- Final examination to test retention-- A disk with a computerized mock certification examination with color images-- New section on laboratory mathematics **Clinical Laboratory Management** *John Wiley & Sons* This totally revised second edition is a comprehensive volume presenting authoritative information on the management challenges facing today's clinical laboratories. Provides thorough coverage of management topics such as managerial leadership, personnel, business planning, information management, regulatory management, reimbursement, generation of revenue, and more. Includes valuable administrative resources, including checklists, worksheets, forms, and online resources. Serves as an essential resource for all clinical laboratories, from the physician's office to hospital clinical labs to the largest commercial reference laboratories, providing practical information in the fields of medicine and healthcare, clinical pathology, and clinical laboratory management, for practitioners, managers, and individuals training to enter these fields. **Quick Review Cards for Medical Laboratory Science** *F.A. Davis* More than 500 cards deliver concise, but complete coverage of the major disciplines on the Board of Certification's content outline and practice today. **Histotechnologist Exam Secrets Study Guide Htl Test Review for the Histotechnologist Certification Examination** *Mometrix Media LLC* ***Includes Practice Test Questions*** **ICTS Drama/Theatre Arts (141) Exam Secrets** helps you ace the Illinois Certification Testing System, without weeks and months of endless studying. Our comprehensive **ICTS Drama/Theatre Arts (141) Exam Secrets** study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. **ICTS Drama/Theatre Arts (141) Exam Secrets** includes: The 5 Secret Keys to ICTS Test Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; Introduction to the ICTS Test Series including: ICTS Assessment Explanation, Two Kinds of ICTS Assessments; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; Along with a complete, in-depth study guide for your specific ICTS test, and much more... **MLT Exam Secrets Study Guide MLT Test Review for the Medical Laboratory Technician Examination** *Mometrix Media Llc* ***Includes Practice Test Questions*** **MLT Exam Secrets** helps you ace the Medical Laboratory Technician Examination, without weeks and months of endless studying. Our comprehensive **MLT Exam Secrets** study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. **MLT Exam Secrets** includes: The 5 Secret Keys to MLT Exam Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; Comprehensive sections including: Blood Bank, Autologous Donation, Delayed Hemolytic Transfusion Reactions, Kleihauer-Betke Acid Elution Test, Human Leukocyte Antigens, Indirect Antiglobulin Test (IAT), Yersinia Enterocolitica., Transfusions, Donath-Landsteiner Test, Duffy blood Group System, ABO blood System, Urinalysis and Body Fluids, Creatinine Clearance, Methods of Urine Collection, Cerebrospinal Fluid, Addis count Procedure, Phenylketonuria (PKU), Alpha-Fetoprotein (AFP), Crigler-Najjar Syndrome, Jendrassik-Grof, Evelyn-Malloy, Western blot Test, ELISA Technique, Gas Chromatography, The Biuret Procedure, Enzyme Reaction, Toxic Overdose, Cushing Syndrome, Lactose Tolerance Test, Hematology, Types of Franulocytes, Granulocyte, Bone Marrow, Atypical Lymphocytes, and much more... **Parasitic Zoonoses** *Springer Science & Business Media* The book "Parasitic Zoonoses" emphasizes a veterinary and public health perspective of zoonotic parasites. This book is suitable for higher undergraduate and graduate students of zoonoses and public health, veterinary parasitology, parasite epidemiology; public health workers; public health veterinarians; field veterinarians, medical professionals and all others interested in the subject. More than 15 protozoa and 50 other parasitic diseases are zoonotic in nature and all these diseases have been discussed in detail. The first chapter is concerned with classification of zoonotic parasites, food borne, vector borne and occupation related zoonotic parasites. The remaining chapters cover etiology, epidemiology, life cycle, transmission, clinical signs, diagnosis, prevention and control of zoonotic parasites. The text is illustrated with a large number of coloured figures. An alphabetical bibliography for every disease has also been included so that readers have access to further information. **Improving Diagnosis in Health Care** *National Academies Press* Getting the right diagnosis is a key aspect of health care - it provides an explanation of a patient's health problem and informs subsequent health care decisions. The diagnostic process is a complex, collaborative activity that involves clinical reasoning and information gathering to determine a patient's health problem. According to **Improving Diagnosis in Health Care**, diagnostic errors-inaccurate or delayed diagnoses-persist throughout all settings of care and continue to harm an unacceptable number of patients. It is likely that most people will experience at least one diagnostic error in their lifetime, sometimes with devastating consequences. Diagnostic errors may cause harm to patients by preventing or delaying appropriate treatment, providing unnecessary or harmful treatment, or resulting in psychological or financial repercussions. The committee concluded that improving the diagnostic process is not only possible, but also represents a moral, professional, and public health imperative. **Improving Diagnosis in Health Care** a continuation of the landmark Institute of Medicine reports **To Err Is Human** (2000) and **Crossing the Quality Chasm** (2001) finds that diagnosis-and, in particular, the occurrence of diagnostic errorsâ€"has been largely unappreciated in efforts to improve the quality and safety of health care. Without a dedicated focus on improving diagnosis, diagnostic errors will likely worsen as the delivery of health care and the diagnostic process continue to increase in complexity. Just as the diagnostic process is a collaborative activity, improving diagnosis will require collaboration and a widespread commitment to change among health care professionals, health care organizations, patients and their families, researchers, and policy makers. The recommendations of **Improving Diagnosis in Health Care** contribute to the growing momentum for change in this crucial area of health care quality and safety. **A Concise Review of Clinical Laboratory Science** *Lippincott Williams & Wilkins* The Second Edition offers a concise review of all areas of clinical lab science, including the standard areas, such as hematology, chemistry, hemostasis, immunohematology, clinical microbiology, parasitology, urinalysis and more, as well as lab management, lab government regulations, and quality assurance. A companion website offers 35 case studies, an image bank of

color images, and a quiz bank with 500 questions in certification format. *Cytopreparation Principles & Practice Springer Science & Business Media* **Cytopreparation: Principles & Practice** by Gary W. Gill fills a long-standing need for an easy-to-use and authoritative manual on the fundamentals of cytopreparation up-to-and- including microscopy, screening, and data analysis. The text describes in phenomenological terms the most common materials and methods of specimen collection through mounting for gyn, non-gyn, and FNA specimens, as well as the underlying mechanistic bases. The author provides his expertise and information that will empower and enable readers to review and improve their laboratories' cytopreparatory techniques as they apply to the vast majority of specimens. This unique volume provides facts that are not readily available anywhere. *Cytopreparation: Principles & Practice* is intended for everyone associated with, and involved in, making cytologic preparations that are useful for their intended purpose. It will serve as a valuable reference tool for educators in cytology and histology, cytotechnology and histotechnology students, cytotechnologists, cytopreparatory technicians, cytopathologists, anatomical/clinical pathologists, pathology residents and cytopathology fellows. *Tietz Clinical Guide to Laboratory Tests - E-Book Elsevier Health Sciences* This new edition of Norbert Tietz's classic handbook presents information on common tests as well as rare and highly specialized tests and procedures - including a summary of the utility and merit of each test. Biological variables that may affect test results are discussed, and a focus is placed on reference ranges, diagnostic information, clinical interpretation of laboratory data, interferences, and specimen types. New and updated content has been added in all areas, with over 100 new tests added. Tests are divided into 8 main sections and arranged alphabetically. Each test includes necessary information such as test name (or disorder) and method, specimens and special requirements, reference ranges, chemical interferences and in vivo effects, kinetic values, diagnostic information, factors influencing drug disposition, and clinical comments and remarks. The most current and relevant tests are included; outdated tests have been eliminated. Test index (with extensive cross references) and disease index provide the reader with an easy way to find necessary information Four new sections in key areas (Preanalytical, Flow Cytometry, Pharmacogenomics, and Allergy) make this edition current and useful. New editor Alan Wu, who specializes in Clinical Chemistry and Toxicology, brings a wealth of experience and expertise to this edition. The Molecular Diagnostics section has been greatly expanded due to the increased prevalence of new molecular techniques being used in laboratories. References are now found after each test, rather than at the end of each section, for easier access. *Antibody Identification: Art Or Science? a Case Study Approach American Association of Blood Banks (AABB)* This book steps in where hands-on practice may struggle to go. Written by practicing serologists and educators, these case study simulations examine techniques for alloantibody identification including use of chemicals, inhibition, adsorption, and adsorption/elution. Each case begins with a clinical scenario and initial test results, which are followed by a series of multiple-choice questions that offer testing options and protocols for resolution. Along the way, the reader is provided with detailed feedback designed to enhance reflection and critical thinking. Equally suited to classroom or individual study, the printed book is supplemented by an online component without the answers, to provide a realistic testing situation. *Immune Hemolytic Anemias Basic and Applied Concepts of Immunohematology Mosby Incorporated* Clear and accessible, this text addresses the fundamental knowledge and skills you need to work in a blood-banking laboratory. It integrates basic theory - genetics, immunology, and immunohematology - then adds practical, problem-solving exercises. Clinical scenarios and critical thinking exercises help you apply basic concepts to modern transfusion and blood-bank settings. Experienced authors offer a practical "in the trenches" view of life in the laboratory. A clinical application focus relates concepts to practice and offers examples of using theoretical information in the laboratory setting. Coverage of quality control assurance and regulatory issues includes the "whys" in both reagents and equipment. An entire chapter is devoted to basic genetics and immunology coverage. Blood group systems are described in easy-to-follow, student-friendly terms. Illustrations and tables help you understand critical information. A two-color design brightens the text and makes it more reader-friendly. Chapter outlines, review questions, learning objectives, and key terms are included in each chapter, highlighting and reinforcing important material. Critical Thinking exercises ask you to draw conclusions based on a case study. Chapter summaries include a paragraph, table, or box of the essential information. NEW information reflects changes in the field, including: Different types of DNA testing and uses Automation impact and issues Latest donor criteria from the AABB and the FDA Hepatitis C and HIV NAT testing West Nile testing Bacterial contamination statistics and prevention Bone marrow transplant blood use Peripheral stem cell collection Cord blood collection and use More case studies, examples, and flow charts in the Antibody Detection and Identification chapter help to illustrate principles and practices. Margin Notes are added throughout to reinforce key terms and procedures. More review questions are added for thorough and efficient self-assessment. Expanded Evolve resources include web links, ArchieMD animations, and additional study questions Rapid On-site Evaluation (ROSE) A Practical Guide *Springer Nature* This book introduces basic ROSE techniques and resources required to set up ROSE service. It reviews the cytomorphologic features that are recognizable during ROSE, including those important for sample adequacy, specimen triage, preliminary interpretation, and potential diagnostic pitfalls. Economic and regulatory aspects are discussed as well as the pros and cons of telecytology. The book is formatted for clinical settings, simulating the ROSE process that occurs in the ultrasound room, CT room, bronchoscopy suite, and endoscopy suite. Each chapter focuses on the cytomorphologic clues and pitfalls of the entities specific to that clinical setting. *Rapid On-Site Evaluation: A Practical Guide* will be a valuable resource for pathologists, cytotechnologists, physicians who perform biopsies and/or ROSE evaluation, and trainees for utilizing ROSE and improving diagnostic performance of biopsies. *Difco and BBL Manual Manual of Microbiological Culture Media Technical Manual S Karger Pub* The Medical Review Officer's Manual MROCC's Guide to Drug Testing *O E M Press* Policy on Quality Assurance *Frederickton, N.B. : Maritime Provinces Higher Education Commission* The Commission's policy on quality assurance provides educational decision-makers both with accountability measures pertaining to the institutions on the Commission's schedule and with value-added information to assist in policy decisions related to the Atlantic Canada post-secondary sector. Part I of this policy document introduces the policy, including its historical background, policy content, and measures supported by the policy. Part II describes the purpose, objectives, scope, key steps, and outcomes of the Commission's program assessment process. Appendices to this part include guidelines for the preparation of new, modified, terminated, & new articulated programs; generic terms of reference for external reviewers of graduate programs; and the terms of reference of the Academic Advisory Committee. The final part describes the objective, focus, scope, cycle, key steps, & outcomes of the Commission's process for the monitoring of institutional policies & procedures. Appendices to this part include guidelines for institutional quality assurance policies, assessment criteria for the Commission's monitoring process, guidelines for preparing an institutional quality assurance report, and the terms of reference of the Quality Assurance Monitoring Committee. *In Living Color Protocols in Flow Cytometry and Cell Sorting Springer Science & Business Media* A contribution towards making this increasingly valuable technology accessible to researchers, including the students, post-doctoral scholars, and technicians gathering the knowledge inherent in this integration between analysis and physical isolation/purification methodologies. A step-by-step approach to the methodology for measuring various attributes demonstrated in the particular cells of interest is provided, as is a myriad of resources to fuel the curiosity and answer questions of both new and adept users. This book stems from the editors' experiences managing flow cytometry/cell sorting core facilities for the emerging researchers, in particular in developmental, cellular, and molecular biology. *Modern Blood Banking and Transfusion Practices F A Davis Company* -- The latest information on hepatitis, HIV, and AIDS -- Complete coverage of all blood group systems -- New information on quality assurance and informational systems in the blood bank -- Case histories give the reader a picture of what is going on behind the scenes -- Summary charts at the end of each chapter identify for students the most important information to know for clinical rotations -- Helpful pedagogical tools, including chapter outlines, objectives, review questions, and a glossary -- An extensive package of illustrations, including 20 plates of full-color drawings and photomicrographs -- Procedural appendices at the end of selected chapters -- Antigen-Antibody Characteristic Chart on the inside covers of the book provides easy access to the vast amount of information related to the blood group systems *Specialist in Blood Banking Study Guide Review book for Specialist in Blood Banking Basic Skills in Interpreting Laboratory Data ASHP* Basic Skills in Interpreting Laboratory Data, Fifth Edition, is the classic and most popular pharmacy laboratory text because it is the only reference on this subject written by pharmacists, for pharmacists. Students find this guide a clear and useful introduction to the fundamentals of interpreting laboratory test results. The book enhances the skills pharmacists need by providing essential information on common laboratory tests used to screen for or diagnose diseases and monitor the effectiveness and safety of treatment and disease severity. Each chapter contains learning objectives, case studies, bibliographies, and charts that summarize the causes of high and low test results. New for this edition: Updated and expanded Quick View tables in each chapter now match those in the popular quick-reference, *Interpreting Laboratory Data: A Point-of-Care Guide* New glossary of acronyms is right up front for a streamlined reference Normal value ranges of all tests have been standardized by an expert pathologist New and updated cases in each chapter apply your Basic Skills in clinical situations Reorganized to highlight the application of concepts by body system, and in special populations *Basic Skills in Interpreting Laboratory Data* offers features that will help pharmacy students not only understand and engage with the material but also will streamline the transition from classroom to practice setting. After studying with this trusted text, students and pharmacists will more effectively monitor patient therapy, evaluate test results, and improve outcomes through optimal and focused pharmacotherapy. *Standards for Blood Banks and Transfusion Services Microbiology* "Microbiology covers the scope and sequence requirements for a single-semester microbiology course for non-majors. The book presents the core concepts of microbiology with a focus on applications for careers in allied health. The pedagogical features of the text make the material interesting and accessible while maintaining the career-application focus and scientific rigor inherent in the subject matter. Microbiology's art program enhances students' understanding of concepts through clear and effective illustrations, diagrams, and photographs. Microbiology is produced through a collaborative publishing agreement between OpenStax and the American Society for Microbiology Press. The book aligns with the curriculum guidelines of the American Society for Microbiology."--BC Campus website. *Molecular Pathology of Breast Cancer Springer* The complex landscape of breast cancer requires distinct strategies for the management of various molecular subtypes of this disease. Rapid advances in the field of molecular biology have been bewildering for those involved in its study and management. "Molecular Pathology of Breast Cancer" aims to close this knowledge gap by discussing comprehensively the evolution, biological basis and clinical applications with a focus on the "what, when, and how" of the most significant molecular markers known to date. These markers are evaluated in the context of genomic, transcriptomic and proteomic profiles, which is integral to the practice of precision medicine. The application of next generation sequencing (NGS) has provided new insights in the regulation of genomic and transcriptomic structure and function. Alterations in DNA such as mutations and single nucleotide polymorphisms (SNPs) have been correlated with outcomes and provide for novel therapeutic approaches. These NGS analyses have also revealed the extensive contributions of epigenetic mechanisms such as histone modifications, non-coding RNA and alternative splicing. All of these changes together contribute to alterations in proteome. Newer assays that allow greater stability and analytical consistency are emerging. These alterations in tumor profiles can be also now detected by imaging techniques. The heterogeneity of both tumor and tumor microenvironment, an inevitable reality, is discussed in detail with particular focus on cancer stem cells and immune signaling. A chapter is dedicated to the emerging technology of "liquid biopsy", which opens a novel approach for "continuous" monitoring of cancer that might be superior to conventional diagnostics, "Molecular Pathology of Breast Cancer" provides a quick and easy, not to mention essential, tour for clinicians, pathologists and scientists who are seeking to understand the integration of molecular biology into the diagnosis, prognosis and management of breast cancer. *Respiratory Care: Patient Assessment and Care Plan Development Jones & Bartlett Publishers* For all students and clinicians assessing or caring for patients with cardiopulmonary disorders, *Respiratory Care: Patient Assessment and Care Plan Development* is a must-have resource. As the most comprehensive reference available, it is a guide to the evaluation of the patient, and the development and implementation of an appropriate, evidence-based, respiratory care plan. *Respiratory Care: Patient Assessment and Care Plan*

Development describes the purpose of patient assessment and then guides the reader through the process of the reviewing existing data in the medical record, conducting the patient interview, performing the physical assessment, and finally evaluating the diagnostic studies needed and implementing a respiratory care plan. Bridging the gap between patient assessment and treatment, the reader will learn how to apply assessment skills to the development and implementation of respiratory care plans. Integrated throughout each chapter are Clinical Focus exercises, RC Ins Urinalysis & Body Fluids *F.A. Davis* Practical, focused, and reader friendly, this popular text teaches the theoretical and practical knowledge every clinical laboratory scientist needs to handle and analyze non-blood body fluids, and to keep you and your laboratory safe from infectious agents. The 5th Edition has been completely updated to include all of the new information and new testing procedures that are important in this rapidly changing field. Case studies and clinical situations show how work in the classroom translates to work in the lab. Theory and Practice of Histotechnology Success! in Clinical Laboratory Science A Complete Review *Prentice Hall* Completely updated in a new edition this valuable review book prepares a wide range of laboratory professionals for certification examinations by presenting them with the latest technology and terminology, as well as current test taking formats. Its large number of practice questions, variety of practice modes, and explanations for clarification prepare learner for success on examinations. Comprehensive coverage of laboratory medicine includes clinical chemistry, hematology, hemostasis, immunology, immunohematology, microbiology, urinalysis and body fluids, molecular diagnostics, laboratory calculations, general laboratory principles and safety, laboratory management, education, and computers and laboratory informatics. For clinical laboratory directors, pathologists specializing in laboratory medicine, resident and attending physicians, hematologists, chemists, immunohematologists, microbiologists, biosafety officers, nurse practitioners, physician assistants, and infection control practitioners. Delivering High-Quality Cancer Care Charting a New Course for a System in Crisis *National Academies Press* In the United States, approximately 14 million people have had cancer and more than 1.6 million new cases are diagnosed each year. However, more than a decade after the Institute of Medicine (IOM) first studied the quality of cancer care, the barriers to achieving excellent care for all cancer patients remain daunting. Care often is not patient-centered, many patients do not receive palliative care to manage their symptoms and side effects from treatment, and decisions about care often are not based on the latest scientific evidence. The cost of cancer care also is rising faster than many sectors of medicine--having increased to \$125 billion in 2010 from \$72 billion in 2004--and is projected to reach \$173 billion by 2020. Rising costs are making cancer care less affordable for patients and their families and are creating disparities in patients' access to high-quality cancer care. There also are growing shortages of health professionals skilled in providing cancer care, and the number of adults age 65 and older--the group most susceptible to cancer--is expected to double by 2030, contributing to a 45 percent increase in the number of people developing cancer. The current care delivery system is poorly prepared to address the care needs of this population, which are complex due to altered physiology, functional and cognitive impairment, multiple coexisting diseases, increased side effects from treatment, and greater need for social support. Delivering High-Quality Cancer Care: Charting a New Course for a System in Crisis presents a conceptual framework for improving the quality of cancer care. This study proposes improvements to six interconnected components of care: (1) engaged patients; (2) an adequately staffed, trained, and coordinated workforce; (3) evidence-based care; (4) learning health care information technology (IT); (5) translation of evidence into clinical practice, quality measurement and performance improvement; and (6) accessible and affordable care. This report recommends changes across the board in these areas to improve the quality of care. Delivering High-Quality Cancer Care: Charting a New Course for a System in Crisis provides information for cancer care teams, patients and their families, researchers, quality metrics developers, and payers, as well as HHS, other federal agencies, and industry to reevaluate their current roles and responsibilities in cancer care and work together to develop a higher quality care delivery system. By working toward this shared goal, the cancer care community can improve the quality of life and outcomes for people facing a cancer diagnosis.