

# USMLE® Committee Directory

A Joint Program of the Federation of State Medical Boards of the United States, Inc., and NBME



# **Table of Contents**

About USMLE Committees & Task Forces	4
USMLE Committees	5
USMLE Budget Committee	5
USMLE Committee for Individualized Review	6
USMLE Composite Committee	7
USMLE Management Committee	9
USMLE Medical Student and Resident Advisory Panel	11
USMLE Patient Characteristics Advisory Panel	12
USMLE Test Material Development Committees	13
USMLE Acute Care TMDC	13
USMLE Ambulatory Care TMDC	14
USMLE Behavioral Health TMDC	14
USMLE Biostatistics and Epidemiology TMDC	15
USMLE Children's Health TMDC	16
USMLE Chronic Care TMDC	17
USMLE Communications TMDC	17
USMLE Computer-based Case Simulations (CCS) Committee	18
USMLE Gender, Breast, and Reproductive Health TMDC	21
USMLE Gross Anatomy and Embryology TMDC	22
USMLE Introduction to Clinical Medicine, Physical Diagnosis, and Communication TMDC	22
USMLE Microbiology and Immunology TMDC	23
USMLE Pathology and Genetics TMDC	24
USMLE Patient Safety TMDC	25
USMLE Pharmaceutical Advertisements TMDC	26
USMLE Pharmacology and Biochemistry TMDC	26
USMLE Physiology and Cell Biology TMDC	27
USMLE Scientific Abstracts TMDC	28

Interdisciplinary Review Committees	29
Cross Step IRC	29
Evidence-based Medicine (EBM) IRC	30
Step 1 IRC	31
Step 2 CK IRC	33
Step 3 CCS IRC	37
Step 3 IRC	38
Forms Review	41
Step 1 Forms Review	41
Step 2 Forms Review	42
Step 3 Forms Review	43
USMLE Task Forces	46
USMLE Legal/Ethical Task Force	46
USMLE Multimedia Task Force	47
Standard Setting Panels	48
Step 3 Standard Setting	48
State Board Advisory Panel to USMLE	51
State Board Advisory Panel to USMLE	51

The United States Medical Licensing Examination® (USMLE®) is a joint program of:



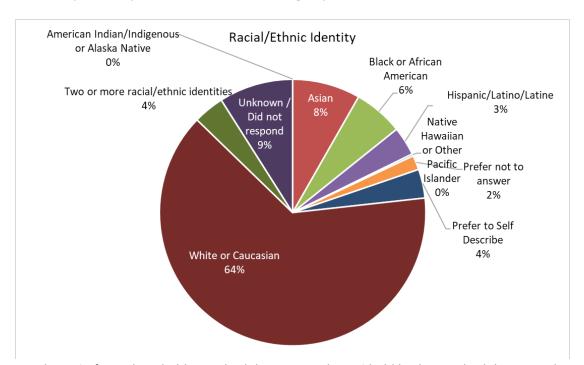


Copyright © 2024 by the Federation of State Medical Boards of the United States, Inc. (FSMB), and NBME. All rights reserved.

# **About USMLE Committees & Task Forces**

The United States Medical Licensing Examination® (USMLE®) program is both grateful and proud to list the names of the medical educators, academic researchers, state medical board members, practicing clinicians and other professionals who served as committee or task force members in 2023. Included you will find a list of cohorts comprising individuals whose expertise and dedication made it possible for the USMLE program to continue to serve the state and regional medical boards and the medical education community. These individuals enable the USMLE to achieve its goals of assessing a physician's ability to apply knowledge, concepts, principles and patient-centered skills.

In 2023, 400 individuals contributed to the USMLE examination program by creating and reviewing test materials. Of these, 47% identified as women and 43% as men.<sup>1</sup> More than 27% identify as from a historically underrepresented racial and ethnic group<sup>2</sup>.



Nearly 62% of members held a medical degree; nearly 27% held both a medical degree and an additional advanced degree; 6% held a PhD alone; and 5% of these members held other degrees from various disciplines. Geographically, nearly 33% of committee members were from the Southern United States; more than 24% were from the Central United States; more than 25% were from the Northeast; and 17% were from the West Coast. More than 20% of members speak one or more languages other than English.

Nearly 8% of committee members reported to be either current or former members of state licensing boards. Individuals from more than 173 organizations served on a USMLE committee.

<sup>&</sup>lt;sup>134</sup> (9%) USMLE committee and task force members did not report a gender identity and 5 (1%) reported a gender identity other than man or

<sup>&</sup>lt;sup>2</sup>36 (9%) individuals did not report a racial/ethnic identity.

# **USMLE Committees**

# **USMLE Budget Committee**

Financial arrangements for the USMLE program are managed jointly by FSMB and NBME through the USMLE Budget Committee, which consists of representatives appointed by FSMB and NBME. The committee meets annually to review and approve the statements of budgeted revenue and expenses and to review and revise, when needed, fees charged for USMLE examinations and ancillary fees.

NBME Representatives
JOHN HINKE, JR., CPA

National Board of Medical Examiners

MARIE C. FOLEY, PHD, RN, CNL

Atlantic Health System

PETER J. KATSUFRAKIS, MD, MBA

National Board of Medical Examiners

**REENA KARANI, MD, MHPE** 

Icahn School of Medicine at Mount Sinai

JEFFREY L. SUSMAN, MD

University of Texas Medical Branch John Sealy School of Medicine

FSMB Representatives

JEFFREY D. CARTER, MD

Missouri Board of Registration for the Healing Arts

HANK J. CHAUDHRY, DO, MS

Federation of State Medical Boards

JONE C. GEIMER-FLANDERS, DO

Hawaii Medical Board

**TODD PHILLIPS, MBA** 

Federation of State Medical Boards

KATIE L. TEMPLETON, JD

Oklahoma State Board of Osteopathic Examiners

# **USMLE Committee for Individualized Review**

The USMLE Committee for Individualized Review (CIR) is a standing committee appointed by the USMLE Composite Committee. It exercises the authorities and responsibilities described in the USMLE Policies and Procedures regarding irregular behavior, score validity and anomalous performance.

A majority of the committee's time is spent reviewing cases of possible irregular behavior. Irregular behavior includes any action by applicants, examinees or others that could compromise the validity, integrity or security of the USMLE process. Examples of irregular behavior include, but are not limited to, communicating or attempting to communicate about test items, cases and/or answers; altering or misrepresenting examination scores or outcomes; or possessing unauthorized materials in the secure testing area. The CIR carefully considers all available pertinent information and evidence when rendering a decision. If the committee determines that an individual engaged in irregular behavior, an annotation to that effect will appear on applicable score reports and transcripts for that examinee. Further, the committee has the authority to report their findings to the Federation of State Medical Boards' Physician Data Center and/or other legitimately interested entities as well as bar the individual from future administrations of USMLE.

#### Chair

JON V. THOMAS, MD, MBA\*

Optum, Minneapolis, MN

NBME Representatives

O'RESE J. KNIGHT, MD

University of California, San Francisco School of Medicine

# **JEFFREY L. SUSMAN, MD**

University of Texas Medical Branch John Sealy School of Medicine

FSMB Representatives

SHAMI GOYAL, MD\*

University of Illinois College of Medicine at Rockford

# CHERYL L. WALKER-MCGILL, MD, MBA\*

Carolina Complete Health, Centene

ECFMG Representatives

**CHERYLL ALBOLD, PHD** 

HCA Healthcare, St. Augustine, FL

# BARBARA M. BARZANSKY, PHD, MHPE

Liaison Committee on Medical Education, American Medical Association

# ANNE-MARIE IRANI, MD

Virginia Commonwealth University School of Medicine

# **Public Representative**

#### **PAMELA J. BEAL**

Diversified Consulting Services, LLC

\*Current or former state medical board member

# **USMLE Composite Committee**

The USMLE Composite Committee was established jointly by the Federation of State Medical Boards and NBME to provide oversight for and direct the operation of the USMLE, including establishing policies and considering their fiscal impact upon the USMLE program. The Composite Committee is also responsible for approval of examination objectives and blueprints; test formats and changes in test length; score reporting policies; test administration policies; and policies for examination security and integrity, irregular behavior, score validity and anomalous performance.

#### Chair

O'RESE J. KNIGHT, MD

University of California, San Francisco School of Medicine

NBME Representatives

CYNTHIA A. BURNS, MD

Wake Forest University School of Medicine

# REENA KARANI, MD, MHPE

Icahn School of Medicine at Mount Sinai

# PETER J. KATSUFRAKIS, MD, MBA

National Board of Medical Examiners

# RINI B. RATAN, MD

Columbia University Vagelos College of Physicians and Surgeons

FSMB Representatives

JEFFREY D. CARTER, MD\*

**FSMB** 

HANK J. CHAUDHRY, DO, MS

**FSMB** 

KRISTIN A. SPANJIAN, MD\*

Billings, MT

SARVAM P. TERKONDA, MD\*

**FSMB** 

# CHERYL L. WALKER-MCGILL, MD, MBA\*

Carolina Complete Health, Centene

# **ECFMG** Representatives

# PETER F. BUCKLEY, MD

University of Tennessee Health Science Center College of Medicine

# ANDREW T. FILAK, JR., MD

University of Cincinnati College of Medicine

# **ERIC S. HOLMBOE, MD**

**ECFMG** 

# Public Representative

# **NANCY TOMES, PHD**

Stony Brook University

# ECFMG Alternate

# FRANCIS L. COUNSELMAN, MD

Eastern Virginia Medical School

#### NBME Alternate

# **DUSADEE SARANGARM, MD**

University of New Mexico School of Medicine

# FSMB Alternate

# DANNY M. TAKANISHI, JR., MD\*

John A. Burns School of Medicine University of Hawaii at Manoa

\*Current or former state medical board member

# **USMLE Management Committee**

The USMLE Management Committee, with final approval from the Composite Committee, approves the design of each USMLE examination or its components; monitors and coordinates test development and review committees; oversees standard setting for each exam; advises on test administration and test accommodations issues; reviews and responds to reports from external groups; advises program staff on issues related to new test formats and changes to exams; reviews trends in examinee counts and performance; and monitors/evaluates implications of national trends in medicine and education.

Committee members include individuals with experience on state medical boards, medical school faculty and governance leaders from schools across the United States, practicing physicians, residents and public members.

#### Chair

#### SUSAN M. COX, MD, MA

The University of Texas at Tyler School of Medicine

#### Vice Chair

# ANDREA ANDERSON, MD, MED\*

George Washington University School of Medicine and Health Sciences

#### ANGELA CHERRY, MD, MBA

West Virginia University School of Medicine

#### LOIS A. DAVIS, MD

Eastern Virginia Medical School

#### KRISTY S. DEEP, MD, MA

University of Kentucky College of Medicine

#### **SEAN J. EVANS, MD**

University of California, San Diego School of Medicine

#### SUSAN E. FARRELL, MD, EDM

Harvard Medical School

# JOHN S. FRANCIS, MD, PHD

Yale School of Medicine

# NICOLE GILG GACHIANI, MD, MPH, CPE\*

Baycare Medical Group, Tampa, FL

# **DAVID C. GORDON, MD**

Duke University School of Medicine

# **CRAIG J. HOESLEY, MD**

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

# PATRICIA HUNTER, MS\*

Vermont Board of Medical Practice

#### **SORABH KHANDELWAL, MD**

The Ohio State University College of Medicine

# **CHRISTOPHER KNIGHT, MD**

University of Washington School of Medicine

# LOIS E. KRAHN, MD\*

Mayo Clinic Alix School of Medicine

# JEFFREY LAROCHELLE, MD, MPH

University of Central Florida College of Medicine

# **ROBIN MICHAELS, PHD**

University of Minnesota Medical School

# **BRYANT MURPHY, MD, MBA\***

University of North Carolina School of Medicine

# PRIYA NORI, MD

Albert Einstein College of Medicine

# **KAREN SMITH**

**Excitant Health** 

# KRISTIN A. SPANJIAN, MD\*

Billings, MT

# **ERIC R. WILLIAMS, MD**

University of South Carolina School of Medicine, Columbia

\*Current or former state medical board member

# **USMLE Medical Student and Resident Advisory Panel**

The Medical Student & Resident Advisory Panel allows students and residents to communicate directly with the sponsors of the USMLE program (NBME and the Federation of State Medical Boards) on issues that impact their experience with the USMLE. Panel members can share their perspectives on current policies related to the USMLE and provide insight into how potential changes will affect examinees.

Members of this panel are also instrumental in sharing important information and announcements about the USMLE and bringing feedback to the USMLE program from the medical education community.

#### Residents

#### **ELIZABETH GHANDAKLY, MD, JD**

Cleveland Clinic

#### **MEGAN MAURINA, MD**

Johns Hopkins All Children's Hospital

#### **BRYANNA MOPPINS, MD**

**Emory University School of Medicine** 

# ISA MULINGBAYAN JACOBA, MD

Boston University/Boston Medical Center

#### ALISON OHRINGER, MD

University of California, San Francisco School of Medicine

#### JEFFREY RAPPAPORT, MD, PHD

Osler Medical Residency at The Johns Hopkins Hospital

# OSCAR EDUARDO RIOS HERRERA, MD

Wyckoff Heights Medical Center

# **GREGORY ROBINSON, MD**

Crozer-Keystone Health System

# MARGARET (MEG) ROBINSON, DO

University of Arizona College of Medicine - Tucson

# AMELIA WONG, DO

John A. Burns School of Medicine University of Hawaii at Manoa

#### Students

# **AREEBA ABID**

Emory University School of Medicine

# **MICHAEL BAMISLLE**

Boonshoft School of Medicine Wright State University

# **YOAV KADAN**

University of Rochester School of Medicine and Dentistry

#### **MALEEK MASOOD**

University of Connecticut School of Medicine

#### **ZACHARY NERONHA**

Washington University in St. Louis School of Medicine

#### **IKHIANOSEN UKHUEDOBA**

Frank H. Netter MD School of Medicine at Quinnipiac University

# **OMAR VELAZQUEZ**

David Geffen School of Medicine at UCLA

#### Public Member

# TAMMY L. HUDDLE-MCGEE, MBA\*

Dunwoody College of Technology

# **USMLE Patient Characteristics Advisory Panel**

The USMLE Patient Characteristics Advisory Panel provides guidance for USMLE governance and test development in regard to patient characteristics in exam materials.

# Chair

# REENA KARANI, MD, MHPE

Icahn School of Medicine at Mount Sinai

# ANDREA ANDERSON, MD, MED\*

George Washington University School of Medicine and Health Sciences

# KAREN J. BRASEL, MD, MPH

Oregon Health & Science University School of Medicine

# THOMAS M. DEFER, MD

Washington University in St. Louis School of Medicine

# JOHN S. FRANCIS, MD, PHD

Yale School of Medicine

# FLORENCIA G. POLITE, MD

Raymond and Ruth Perelman School of Medicine at the University of Pennsylvania

# CAREN M. STALBURG, MD, MA

University of Michigan Medical School

# **NIKKI STEWART, MD, MPH, MBA**

Howard University College of Medicine

\*Current or former state medical board member

# **USMLE Test Material Development** Committees

Test Material Development Committee (TMDC) members develop and review the test questions and cases that form the USMLE.

# **USMLE Acute Care TMDC**

#### Co-chair

#### **KEVIN J. LEON, MD**

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

#### Co-chair

# **BRIDGET M. MARROQUIN, MD, MSHPE**

Robert Larner, M.D. College of Medicine at the University of Vermont

# **DENNIS CHAIRMAN, MD**

University of Missouri-Columbia School of Medicine

# **HEATHER E. HOOPS, MD**

Oregon Health & Science University School of Medicine

# **HEATHER MACNEW, MD**

Mercer University School of Medicine

# JOSE M. MONROY TRUJILLO, MD

Johns Hopkins University School of Medicine

#### BRYANT MURPHY, MD, MBA\*

University of North Carolina School of Medicine

# SUNDEEP SHENOY, MD, MBA

University of Arizona College of Medicine - Tucson

# **NICOLE SUR, MD**

University of Miami Leonard M. Miller School of Medicine

# NASH P. WHITAKER, MD, MED, MBA

UnityPoint Health

# SUSAN R. WILCOX, MD

Harvard Medical School

\*Current or former state medical board member

# **USMLE Ambulatory Care TMDC**

#### Co-chair

# SEAN J. EVANS, MD

University of California, San Diego School of Medicine

#### Co-chair

#### L. RENATA THRONSON, MD

University of Washington School of Medicine

# KWAME AMANKWAH, MD

University of Connecticut School of Medicine

# **SEKI A. BALOGUN, MD**

University of Oklahoma College of Medicine

#### KHURAM R. GHUMMAN, MD, MPH

Frank H. Netter MD School of Medicine at Quinnipiac University

# **EILEEN M. MOSER, MD, MHPE**

Penn State College of Medicine

# ANNE C. NOFZIGER, MD

University of Rochester School of Medicine and Dentistry

# VIJAY SHIVASWAMY, MD

PPD

# MING-LI WANG, MD

University of New Mexico School of Medicine

# **USMLE Behavioral Health TMDC**

# Co-chair

# **ERIC R. WILLIAMS, MD**

University of South Carolina School of Medicine, Columbia

#### Co-chair

# **MARY STEINMANN, MD**

Spencer Fox Eccles School of Medicine at the University of Utah

# LISA CARCHEDI, MD, MS

University of Maryland School of Medicine

# **DESCARTES LI, MD**

University of California, San Francisco School of Medicine

#### EHAB MOLOKHIA, MD, MPH

Frederick P. Whiddon College of Medicine at the University of South Alabama

#### **ERIN PATEL, PSYD**

Veterans Health Administration

# JASON B. ROSENSTOCK, MD

University of Pittsburgh School of Medicine

# **DELPHINE S. TAYLOR, MD**

Columbia University Vagelos College of Physicians and Surgeons

# SHAWN D. VAN GERPEN, MD

University of South Dakota Sanford School of Medicine

# **TOBIAS J. VANCIL, MD**

University of Arkansas for Medical Sciences College of Medicine

# **USMLE Biostatistics and Epidemiology TMDC**

#### Chair

# **RACHEL J. GIVELBER, MD**

University of Pittsburgh School of Medicine

# FRED R. BUCKHOLD, III, MD

Saint Louis University School of Medicine

# JESSE M. EHRENFELD, MD, MPH

Medical College of Wisconsin

# TODD M. FELIX, MD

Penn State College of Medicine

#### CATHERINE A. MCCARTY, PHD, MPH

University of Minnesota Medical School, Duluth

#### **AMY S. NOWACKI, PHD**

Case Western Reserve University School of Medicine

# **KENDRA SCHMID, PHD**

University of Nebraska College of Medicine

# **USMLE Children's Health TMDC**

#### Co-chair

# KIM L. ASKEW, MD

Wake Forest University School of Medicine

#### Co-chair

# TAI M. LOCKSPEISER, MD, MHPE

University of Colorado School of Medicine

# LYNNE M. BIRD, MD

University of California, San Diego School of Medicine

# SOPHIA CHEN, DO, MPH

Rutgers New Jersey Medical School

#### M. DIANE ECKERT, MD

John A. Burns School of Medicine University of Hawaii at Manoa

# C. JAMES GRAHAM, MD

University of Arkansas for Medical Sciences College of Medicine

# JODY HUBER, MD

University of South Dakota Sanford School of Medicine

# **IOANNIS KOUTROULIS, MD, PHD, MBA**

George Washington University School of Medicine and Health Sciences

# SHEELA L. LAHOTI, MD

McGovern Medical School at the University of Texas Health Science Center at Houston

# THOMAS A. MELGAR, MD

Michigan State University College of Human Medicine

#### MAUREEN A. NOVAK, MD

University of Florida College of Medicine

#### **LINTON YEE, MD**

Duke University School of Medicine

# **USMLE Chronic Care TMDC**

#### Co-chair

# **ROBERT IRWIN, MD**

University of Miami Leonard M. Miller School of Medicine

#### Co-chair

# NANCY M. DENIZARD-THOMPSON, MD

Wake Forest University School of Medicine

# **OLAMIDE O. ALABI, MD**

Emory University School of Medicine

# **RACHEL BARTASH, MD**

Albert Einstein College of Medicine

#### SUSAN GARSTANG, MD

Spencer Fox Eccles School of Medicine at the University of Utah

# **DANIEL W. GIANG, MD**

Loma Linda University School of Medicine

# BARBARA J. MCGARRY, MD

Rutgers, Robert Wood Johnson Medical School

#### LISA A. MILLER, MD

Western Michigan University Homer Stryker M.D. School of Medicine

# **REX ALVIN D. PAULINO, MD**

McGovern Medical School at the University of Texas Health Science Center at Houston

# MICHI YUKAWA, MD, MPH

University of California, San Francisco School of Medicine

# **USMLE Communications TMDC**

# Chair

#### MELISSA A. MCNEIL, MD, MPH

The Warren Alpert Medical School of Brown University

#### **MATTHEW J. BARRY, DO**

US Department of Veterans Affairs

# **MONICA A. BROOME, MD**

University of Miami Leonard M. Miller School of Medicine

#### **MELANIE G. HAGEN, MD**

University of Florida College of Medicine

# ANTWIONE M. HAYWOOD, PHD

Chicago Medical School at Rosalind Franklin University of Medicine and Science

# **DEBRA L. KLAMEN, MD, MHPE**

Southern Illinois University School of Medicine

# SCOTT MANAKER, MD, PHD

Raymond and Ruth Perelman School of Medicine at the University of Pennsylvania

#### WILLIAM H. SALAZAR, MD

Medical College of Georgia at Augusta University

# **BRIAN D. SMITH, MD**

Michigan State University College of Human Medicine

#### **KAREN SMITH**

**Excitant Health** 

# USMLE Computer-based Case Simulations (CCS) Committee

USMLE CCS Committee members develop and review clinical case scenarios and create scoring rubrics for cases that appear on the USMLE Step 3 examination.

CCS Chair & Scripting Group Chair

DAVID C. GORDON, MD

Duke University School of Medicine

Scoring Group Chair

# HEIDI L.D. GULLETT, MD, MPH

Case Western Reserve University School of Medicine

Scoring Group Co-chair

# SORABH KHANDELWAL, MD

The Ohio State University College of Medicine

Scripting Group Co-chair

SARA PETRUSKA, MD

University of Louisville School of Medicine

# MEREDITH J. ALSTON, MD

University of Colorado School of Medicine

#### ANDREA G. ASNES, MD, MSW

Yale School of Medicine

#### FRANCIS B. BACCAY, MD

Albert Einstein College of Medicine

# MICHAEL A. BOHRN, MD

Drexel University College of Medicine

# OSCAR A. CEPEDA, MD

Washington University in St. Louis School of Medicine

# **DOMINIQUE COSCO, MD**

Washington University in St. Louis School of Medicine

# RITA DUBOYCE, MD, MS

Uniformed Services University of the Health Sciences, F. Edward Hébert School of Medicine

# SUSAN E. FARRELL, MD, EDM

Harvard Medical School

#### JOHN V. GAHAGAN, MD

Stanford University School of Medicine

#### **SEAN E. GARCIA, MD**

UT Health San Antonio Joe R. & Teresa Lozano Long School of Medicine

# NICOLE GILG GACHIANI, MD, MPH, CPE\*

Baycare Medical Group, Tampa, FL

#### TRAVIS GULLETT, MD, MATS

Case Western Reserve University School of Medicine

# **ZEB K. HENSON, MD**

University of Mississippi School of Medicine

# **ELIZABETH A. HIGGINS, MD**

Medical University of South Carolina College of Medicine

# **CRAIG J. HOESLEY, MD**

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

# JULIANNA JUNG, MD

Johns Hopkins University School of Medicine

# **KEVIN Y. KANE, MD**

University of Missouri-Columbia School of Medicine

#### **REENA KARANI, MD, MHPE**

Icahn School of Medicine at Mount Sinai

# STACEY M. KASSUTTO, MD

Raymond and Ruth Perelman School of Medicine at the University of Pennsylvania

#### MICHAEL D. LANDRY, MD

Tulane University School of Medicine

# ANTOINETTE L. LASKEY, MD, MBA, MPH

Spencer Fox Eccles School of Medicine at the University of Utah

#### SONIA G. LAUMBACH, MD

Rutgers, Robert Wood Johnson Medical School

# SCOTT M. LEIKIN, DO

Baylor College of Medicine School of Medicine

#### JOHN I. LEW, MD

University of Miami Leonard M. Miller School of Medicine

#### CARA B. LICHTENSTEIN, MD, MPH

George Washington University School of Medicine and Health Sciences

#### PETER S. MARCUS, MD, MBA

Indiana University School of Medicine

# **CORRIGAN L. MCBRIDE, MD**

University of Nebraska College of Medicine

#### ANDREW W. MENZIN, MD, MBA

Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

# NANCY NAGIB, MD

Penn State College of Medicine

# REGINA S. OFFODILE, MD, MHPE, MMHC, MSPH

Charles R. Drew University of Medicine and Science College of Medicine

# **NEIL PATEL, MD**

David Geffen School of Medicine at UCLA

# **AMY RAVIN, MD**

Saint Louis University School of Medicine

# SALLY A. SANTEN, MD, PHD

Virginia Commonwealth University School of Medicine & University of Cincinnati College of Medicine

#### DAN J. SKLANSKY, MD

University of Wisconsin School of Medicine and Public Health

#### **BRIAN R. SMITH, MD**

University of California, Irvine School of Medicine

# SARAH STUMBAR, MD, MPH

Florida International University Herbert Wertheim College of Medicine

# KIMBERLY A. SWAN, MD

Overland Park, KS

# TRAVIS P. WEBB, MD, MHPE

University of Tennessee Health Science Center College of Medicine

# LISA WEISS, MD, MED

Northeast Ohio Medical University College of Medicine

\*Current or former state medical board member

# USMLE Gender, Breast, and Reproductive Health TMDC

#### Co-chair

# STACY M. HIGGINS, MD

**Emory University School of Medicine** 

# Co-chair

# **RACHEL BONNEMA, MD, MS**

University of Texas Southwestern Medical School

# **KEVIN H. BROWN, MD**

Texas A&M University School of Medicine

# ALISSA R. CARVER, MD

Novant Health/New Hanover Regional Medical Center

# J. STUART FERRISS, MD

Johns Hopkins University School of Medicine

# **NAGARAJ GABBUR, MD**

Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

# SABRINA HOLMQUIST, MD, MPH

University of Colorado School of Medicine

# **ERIN A. MORRIS, MD**

Robert Larner, M.D. College of Medicine at the University of Vermont

#### KIM M. O'CONNOR, MD

University of Washington School of Medicine

# KRISTEN RUNDELL, MD, MS

University of Arizona College of Medicine - Tucson

# **ANN SCHUTT-AINE, MD**

Baylor College of Medicine School of Medicine

# **USMLE Gross Anatomy and Embryology TMDC**

#### Chair

# **MATTHEW SILVIS, MD**

Penn State College of Medicine

# MARK J. DANNENBAUM, MD

McGovern Medical School at the University of Texas Health Science Center at Houston

#### LISA G. DODSON, MD

Medical College of Wisconsin

# ANNA C. EDMONDSON, PHD

Medical College of Georgia at Augusta University

#### **CARRIE A. ELZIE, PHD**

UT Health San Antonio Joe R. & Teresa Lozano Long School of Medicine

# JAMES N. LAU, MD, MHPE

Loyola University Chicago Stritch School of Medicine

# JEREMY LAUKKA, PHD

University of Toledo College of Medicine and Life Sciences

# MICHAEL OBEDIAN, MD

Albert Einstein College of Medicine

# USMLE Introduction to Clinical Medicine, Physical Diagnosis, and Communication TMDC

# Co-chair

# MICHELLE M. HORN, MD

University of Mississippi School of Medicine

# Co-chair

#### **DAVID ECKER, MD**

University of Colorado School of Medicine

# ANDREA ANDERSON, MD, MED\*

George Washington University School of Medicine and Health Sciences

# MICHAEL J. ARNOLD, MD

Uniformed Services University of the Health Sciences, F. Edward Hébert School of Medicine

# LARRY C. CARY, MD

University of Tennessee Health Science Center College of Medicine

# **ALAN HALL, MD**

University of Kentucky College of Medicine

## THWE HTAY, MD

Paul L. Foster School of Medicine Texas Tech University Health Sciences Center

# **DIANE LEVINE, MD**

Wayne State University School of Medicine

#### ANDREW PARSONS, MD, MPH

University of Virginia School of Medicine

# ABIGAIL M. PHILLIPS, MD

University of California, San Francisco School of Medicine

# **CHRISTIN M. TRABA, MD MPH**

Rutgers New Jersey Medical School

# **REED VAN DEUSEN, MD, MS**

University of Pittsburgh School of Medicine

\*Current or former state medical board member

# USMLE Microbiology and Immunology TMDC

# Chair

# JOHN A. DAVIS, MD, PHD

University of California, San Francisco School of Medicine

# AISHA AHMED, MD

Northwestern University Feinberg School of Medicine

# **TIMOTHY J. BAULER, PHD**

Western Michigan University Homer Stryker M.D. School of Medicine

#### **ERIN BONURA, MD**

Oregon Health & Science University School of Medicine

#### RANA E. EL FEGHALY, MD, MSCI

University of Missouri-Kansas City School of Medicine

# KAREN L. LAW, MD

**Emory University School of Medicine** 

# **DAVID W. MULLINS, PHD**

Geisel School of Medicine at Dartmouth

# PRIYA NORI, MD

Albert Einstein College of Medicine

# **GAIL F. SHUST, MD**

NYU Grossman School of Medicine

# **BRETT B. WILLIAMS, MD**

Rush Medical College of Rush University Medical Center

# **USMLE Pathology and Genetics TMDC**

# Chair

#### LEKI TADDESSE-HEATH, MD

Howard University College of Medicine

#### BARBARA S. DUCATMAN, MD

Oakland University William Beaumont School of Medicine

# MELINA B. FLANAGAN, MD, MSPH

West Virginia University School of Medicine

# **NEIL HAYCOCKS, MD, PHD**

Spencer Fox Eccles School of Medicine at the University of Utah

# **ALEJANDRO D. IGLESIAS, MD**

Columbia University Vagelos College of Physicians and Surgeons

#### JASON NAPOLITANO, MD

David Geffen School of Medicine at UCLA

# V. REID SUTTON, MD

Baylor College of Medicine School of Medicine

#### **HELGA V. TORIELLO, PHD**

Michigan State University College of Human Medicine

#### PETER J. VELDKAMP, MD

University of Pittsburgh School of Medicine

# **USMLE Patient Safety TMDC**

#### Co-chair

# **AMY BLATT, MD**

University of Rochester School of Medicine and Dentistry

# Co-chair

# ALEXANDER R. CARBO, MD

Harvard Medical School

# G. WALDON GARRISS, III, MD, MS

Vanderbilt University School of Medicine

# AMANDA GREEN, DNP, RN

University of Kentucky College of Medicine

# **ROBIN R. HEMPHILL, MD, MPH**

Cincinnati VA Medical Center

# **VICTORIA S. KAPRIELIAN, MD**

Campbell University Jerry M. Wallace School of Osteopathic Medicine

# MICHAEL S. LEONARD, MD, MS

University of Rochester School of Medicine and Dentistry

# TAMMY L. HUDDLE-MCGEE, MBA\*

Dunwoody College of Technology

# ERIC I. ROSENBERG, MD, MSPH

University of Florida College of Medicine

# STEVEN D. TROCHA, MD

University of South Carolina School of Medicine, Greenville

# **DEANNA R. WILLIS, MD, MBA**

Indiana University School of Medicine

\*Current or former state medical board member

# **USMLE Pharmaceutical Advertisements TMDC**

#### Chair

# **DENISE M. DUPRAS, MD, PHD**

Mayo Clinic Alix School of Medicine

#### **CHAYAN CHAKRABORTI, MD**

Tulane University School of Medicine

# JONATHAN HOOVER, PHARMD

University of Tennessee Health Science Center College of Medicine

# **GWENEVERE C. MCINTOSH, MD, MPH**

University of Wisconsin School of Medicine and Public Health

# **JAMES T. MILLER, PHARMD**

University of Michigan College of Pharmacy

#### JOSHUA D. NOSANCHUK, MD

Albert Einstein College of Medicine

# KATHRYN E. SCHNEIDER, MD

University of Mississippi School of Medicine

# **MATTHEW ZUCKERMAN, MD**

University of Colorado School of Medicine

\*Current or former state medical board member

# USMLE Pharmacology and Biochemistry TMDC

# Co-Chair

# **PAUL C. BRANDT, PHD**

Texas A&M University School of Medicine

# Co-chair

# OMAR ABDUL-RAHMAN, MD

Weill Cornell Medicine

# MAHMOUD ABU-HAZEEM, MBBS

Harvard Medical School

# ABU-BAKR AL-MEHDI, MD, PHD

Frederick P. Whiddon College of Medicine at the University of South Alabama

# MARIA M. GARCIA, MD, MPH

University of Massachusetts T.H. Chan School of Medicine

#### A. LAUREL GORMAN, PHD

Lewis Katz School of Medicine at Temple University

# **JEFFREY A. KATZ, MD**

Kirk Kerkorian School of Medicine at UNLV

# JASON E. LAMBRECHT, MD, PHARMD

Creighton University School of Medicine

# **HEATHER MUSTER, MD, MS**

University of Minnesota

# TERESA W. WILBORN, PHARMD, PHD

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

# **USMLE Physiology and Cell Biology TMDC**

#### Co-chair

# **GAURI AGARWAL, MD**

University of Miami Leonard M. Miller School of Medicine

#### Co-chair

# **CHRISTINE A. KAUFFMAN, MD**

University of Central Florida College of Medicine

# **ALISON L. BAILEY, MD**

University of Tennessee Health Science Center College of Medicine

# JOSEPH J. MALESZEWSKI, MD

Mayo Clinic Alix School of Medicine

# DIEGO F. NIÑO, MD, PHD

The University of Texas at Tyler School of Medicine

# M. KERRY O'BANION, MD, PHD

University of Rochester School of Medicine and Dentistry

# **RICHARD P. TUCKER, PHD**

University of California, Davis School of Medicine

# **USMLE Scientific Abstracts TMDC**

# Co-chair

# JOSEPH A. ZENEL, JR., MD

University of South Dakota Sanford School of Medicine

#### Co-chair

# **DAVID FELDSTEIN, MD, MS**

University of Wisconsin School of Medicine and Public Health

# **RANI S. GEREIGE, MD, MPH**

Nicklaus Children's Hospital

# **KURT A. KENNEL, MD**

Mayo Clinic Alix School of Medicine

# **GIRISH B. NAIR, MD, MS**

Oakland University William Beaumont School of Medicine

# **JEREMY B. RICHARDS, MD, MA**

Harvard Medical School

# **ALLYSON R. ZAZULIA, MD**

Washington University in St. Louis School of Medicine

# **Interdisciplinary Review Committees**

Interdisciplinary Review Committee (IRC) members are responsible for the review and approval of all items in the test item library; they ensure the accuracy and currency of items included in the examinations. IRC members are current and former members of Test Material Development Committees and are chosen on the basis of outstanding performance as test item writers and reviewers.

# **Cross Step IRC**

#### **EVA M. AAGAARD, MD**

Washington University in St. Louis School of Medicine

# JONATHAN S. APPELBAUM, MD

Florida State University College of Medicine

# JASON BARRETO, PHARMD, BCPS, MSC

Mayo Clinic Alix School of Medicine

# **EDWARD R. BOLLARD, MD, DDS**

Penn State College of Medicine

#### **KENDALLE COBB, MD**

Cleveland Clinic Lerner College of Medicine of Case Western Reserve University

#### KRISTY S. DEEP, MD, MA

University of Kentucky College of Medicine

# ANNE M. EACKER, MD

Kaiser Permanente Bernard J. Tyson School of Medicine

# **ROSALYN P. FERGUSON, MD, MSHA**

Charles R. Drew University of Medicine and Science College of Medicine

# **MARIAN FIREMAN, MD**

Oregon Health & Science University School of Medicine

# **CRAIG J. HOESLEY, MD**

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

# YASYN LEE, MD\*

Dubuque, IA

# THOMAS M. MANGER, MD, PHD

University of Connecticut School of Medicine

#### DAVID R. NORRIS, MD, EDD

University of Mississippi School of Medicine

# **BRENDA J. ROMAN, MD**

Boonshoft School of Medicine Wright State University

# KIMBERLY M. TARTAGLIA, MD

The Ohio State University College of Medicine

# TINA L. THOMPSON, PHD

Central Michigan University College of Medicine

# DIEGO R. TORRES-RUSSOTTO, MD

Florida International University Herbert Wertheim College of Medicine

# **LAURIE L. WELLMAN, PHD**

Eastern Virginia Medical School

# JOHN Q. YOUNG, MD, MPP, PHD

Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

#### **ALLYSON R. ZAZULIA, MD**

Washington University in St. Louis School of Medicine

\*Current or former state medical board member

# Evidence-based Medicine (EBM) IRC

#### KOKO AUNG, MD, MPH

Paul L. Foster School of Medicine Texas Tech University Health Sciences Center

# MICHAEL S. BRONZE, MD

University of Oklahoma College of Medicine

#### **CHAYAN CHAKRABORTI, MD**

Tulane University School of Medicine

# THOMAS M. DEFER, MD

Washington University in St. Louis School of Medicine

# **DENISE M. DUPRAS, MD, PHD**

Mayo Clinic Alix School of Medicine

# DAVID FELDSTEIN, MD, MS

University of Wisconsin School of Medicine and Public Health

#### **RACHEL J. GIVELBER, MD**

University of Pittsburgh School of Medicine

# AMANDA KOST, MD, MED

University of Washington School of Medicine

# **LEE A. KRAL, PHARMD**

University of Iowa Roy J. and Lucille A. Carver College of Medicine

# **ROBERT J. MEYER, MD**

University of Virginia School of Medicine

# LYNDA C. MISRA, DO, MA

Oakland University William Beaumont School of Medicine

# CARLOS F. RIOS-BEDOYA, MPH, SCD

Michigan State University College of Osteopathic Medicine

# **COLIN P. WEST, MD, PHD**

Mayo Clinic Alix School of Medicine

#### JOSEPH A. ZENEL, JR., MD

University of South Dakota Sanford School of Medicine

# Step 1 IRC

#### **NELIA M. AFONSO, MD**

Oakland University William Beaumont School of Medicine

#### **GAURI AGARWAL, MD**

University of Miami Leonard M. Miller School of Medicine

# ABDO ASMAR, MD

University of Central Florida College of Medicine

# JAY M. BEHEL, PHD

Rush Medical College of Rush University Medical Center

# DIANE M. BISKOBING, MD

Virginia Commonwealth University School of Medicine

# PAUL C. BRANDT, PHD

Texas A&M University School of Medicine

# JENNIFER K. BRUECKNER, PHD

University of Louisville School of Medicine

#### JOHN A. DAVIS, MD, PHD

University of California, San Francisco School of Medicine

# **DONALD B. DEFRANCO, PHD**

University of Pittsburgh School of Medicine

# RANA E. EL FEGHALY, MD, MSCI

University of Missouri-Kansas City School of Medicine

# RACHEL J. GORDON, MD, MPH

Columbia University Vagelos College of Physicians and Surgeons

#### **MELANIE G. HAGEN, MD**

University of Florida College of Medicine

# KATHLEEN A. JONES, MD

The University of Texas at Tyler School of Medicine

# JAMES N. LAU, MD, MHPE

Loyola University Chicago Stritch School of Medicine

#### **ROBIN LEGALLO, MD**

University of Virginia School of Medicine

# **JANET E. LINDSLEY, PHD**

Spencer Fox Eccles School of Medicine at the University of Utah

# THOMAS M. MANGER, MD, PHD

University of Connecticut School of Medicine

#### MELISSA A. MCNEIL, MD, MPH

The Warren Alpert Medical School of Brown University

# **ROBIN MICHAELS, PHD**

University of Minnesota Medical School

# **ROY NEELEY, MD**

Vanderbilt University School of Medicine

# DAVID R. NORRIS, MD, EDD

University of Mississippi School of Medicine

# KRISTIN A. OLSON, MD

University of California, Davis School of Medicine

# WILLIAM V. RASZKA, MD

Robert Larner, M.D. College of Medicine at the University of Vermont

#### STEVEN RICANATI, MD

Case Western Reserve University School of Medicine

#### **BARBARA RITSCHEL, MD**

Uniformed Services University of the Health Sciences, F. Edward Hébert School of Medicine

# **CAMILLE SABELLA, MD**

Case Western Reserve University School of Medicine

# **MATTHEW SILVIS, MD**

Penn State College of Medicine

# CAREN M. STALBURG, MD, MA

University of Michigan Medical School

# LEKI TADDESSE-HEATH, MD

Howard University College of Medicine

# TINA L. THOMPSON, PHD

Central Michigan University College of Medicine

#### ANNA N. WALKER, MD

Mercer University School of Medicine

# **LAURIE L. WELLMAN, PHD**

Eastern Virginia Medical School

# JUDITH A. WESTMAN, MD

Emeritus, The Ohio State University College of Medicine

# TERESA W. WILBORN, PHARMD, PHD

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

# LESLIE H. ZIMMERMAN, MD

University of California, San Francisco School of Medicine

# Step 2 CK IRC

# ANDREA ANDERSON, MD, MED\*

George Washington University School of Medicine and Health Sciences

# JONATHAN S. APPELBAUM, MD

Florida State University College of Medicine

# MARK W. ARNOLD, MD

The Ohio State University College of Medicine

#### **BETH BARRON, MD**

Columbia University Vagelos College of Physicians and Surgeons

# **RACHEL BONNEMA, MD, MS**

University of Texas Southwestern Medical School

# **LAVJAY BUTANI, MD**

University of California, Davis School of Medicine

# ANGELA CHERRY, MD, MBA

West Virginia University School of Medicine

# **CRISTIN COLFORD, MD**

University of North Carolina School of Medicine

# JANIS L. CUTLER, MD

Columbia University Vagelos College of Physicians and Surgeons

# KONSTANTINOS DELIGIANNIDIS, MD, MPH

Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

#### LINDA R. DUSKA, MD, MPH

University of Virginia School of Medicine

# **DAVID ECKER, MD**

University of Colorado School of Medicine

# ILJIE K. FITZGERALD, MD, MS

David Geffen School of Medicine at UCLA

# **RANI S. GEREIGE, MD, MPH**

Nicklaus Children's Hospital

# **ERIC H. GREEN, MD, MSC**

Tufts University School of Medicine

# CHARLES H. GRIFFITH, III, MD, MSPH

University of Kentucky College of Medicine

# STACY M. HIGGINS, MD

Emory University School of Medicine

# ANDREW R. HOELLEIN, MD, MS

University of Kentucky College of Medicine

# MICHELLE M. HORN, MD

University of Mississippi School of Medicine

#### DAVID C. JUDE, MD

Marshall University Joan C. Edwards School of Medicine

#### **DIANE LEVINE, MD**

Wayne State University School of Medicine

# G. MATTHEW LONGO, MD

University of Nebraska College of Medicine

# **ALLISON B. LUDWIG, MD**

Albert Einstein College of Medicine

#### **CARLA S. LUPI, MD**

Kaiser Permanente Bernard J. Tyson School of Medicine

# J. MARC MAJURE, MD

University of Mississippi School of Medicine

# **GLEN A. MEDELLIN, MD**

UT Health San Antonio Joe R. & Teresa Lozano Long School of Medicine

#### **KEMUEL L. PHILBRICK, MD**

Mayo Clinic Alix School of Medicine

#### RINI B. RATAN, MD

Columbia University Vagelos College of Physicians and Surgeons

# **BRENDA J. ROMAN, MD**

Boonshoft School of Medicine Wright State University

#### STACY RUDNICKI, MD

University of Arkansas for Medical Sciences College of Medicine

# **GARY M. RULL, MD**

Southern Illinois University School of Medicine

# **CHRISTINE S. SEIBERT, MD**

University of Wisconsin School of Medicine and Public Health

# ANTOINETTE C. SPOTO-CANNONS, MD

USF Health Morsani College of Medicine

# ALYSSA STEPHENSON-FAMY, MD

University of Washington School of Medicine

# DANNY M. TAKANISHI, JR., MD\*

John A. Burns School of Medicine University of Hawaii at Manoa

# JUNJI TAKESHITA, MD

John A. Burns School of Medicine University of Hawaii at Manoa

# PAULA M. TERMUHLEN, MD

Western Michigan University Homer Stryker M.D. School of Medicine

# TRAVIS P. WEBB, MD, MHPE

University of Tennessee Health Science Center College of Medicine

# **ROBERT R. WITTLER, MD**

University of Kansas School of Medicine, Wichita

# Step 3 CCS IRC

CCS IRC members review cases that count toward the examinee's score to ensure the clinical currency and accuracy and approve them for continued use on the Step 3 examination. Individuals selected to participate in this activity are seasoned committee members with previous item writing or case authoring experience.

#### ANNE L. DONNELLY, MD

Drexel University College of Medicine

#### **SEAN E. GARCIA, MD**

UT Health San Antonio Joe R. & Teresa Lozano Long School of Medicine

#### STEVEN GO, MD

University of Missouri-Kansas City School of Medicine

# **ZEB K. HENSON, MD**

University of Mississippi School of Medicine

#### **CRAIG J. HOESLEY, MD**

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

#### **REENA KARANI, MD, MHPE**

Icahn School of Medicine at Mount Sinai

# SORABH KHANDELWAL, MD

The Ohio State University College of Medicine

#### **CHRISTOPHER KNIGHT, MD**

University of Washington School of Medicine

# SARA PETRUSKA, MD

University of Louisville School of Medicine

#### **RONALD A. SQUIRES, MD**

University of Oklahoma College of Medicine

## TRAVIS P. WEBB, MD, MHPE

University of Tennessee Health Science Center College of Medicine

#### LISA WEISS, MD, MED

Northeast Ohio Medical University College of Medicine

# Step 3 IRC

#### **EVA M. AAGAARD, MD**

Washington University in St. Louis School of Medicine

# **MURTUZA J. ALI, MD**

LSU Health Sciences Center School of Medicine in New Orleans

#### KIM L. ASKEW, MD

Wake Forest University School of Medicine

#### JOEL M. BARTFIELD, MD

Albany Medical College

#### KAREN J. BRASEL, MD, MPH

Oregon Health & Science University School of Medicine

#### MICHAEL S. BRONZE, MD

University of Oklahoma College of Medicine

#### **DEBRA L. BYNUM, MD**

University of North Carolina School of Medicine

#### RANDOLPH J. CANTERBURY, II, MD, MS

University of Virginia School of Medicine

# **KENDALLE COBB, MD**

Cleveland Clinic Lerner College of Medicine of Case Western Reserve University

# **ROSEMARIE L. CONIGLIARO, MD**

Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

## **BEATRIZ M. CUNILL-DE SAUTU, MD**

Florida International University Herbert Wertheim College of Medicine

# MICHAEL J. CZARNECKI, DO

George Washington University School of Medicine and Health Sciences

#### MICHAEL J. DONNELLY, MD

Georgetown University School of Medicine

#### **SEAN J. EVANS, MD**

University of California, San Diego School of Medicine

#### **MARIAN FIREMAN, MD**

Oregon Health & Science University School of Medicine

#### **DEVIN J. FOX, MD**

Creighton University School of Medicine

#### SUSAN GARSTANG, MD

Spencer Fox Eccles School of Medicine at the University of Utah

#### STEVEN GO, MD

University of Missouri-Kansas City School of Medicine

## **CRAIG J. HOESLEY, MD**

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

#### MICHELLE W. KRAUSE, MD, MPH

University of Arkansas for Medical Sciences College of Medicine

#### JOANNA R. KUPPY, MD

Rush Medical College of Rush University Medical Center

#### **LORRIANA E. LEARD, MD**

University of California, San Francisco School of Medicine

#### YASYN LEE, MD\*

Dubuque, IA

#### **KEVIN J. LEON, MD**

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

# PETER S. MARCUS, MD, MBA

Indiana University School of Medicine

#### **BRIDGET M. MARROQUIN, MD, MSHPE**

Robert Larner, M.D. College of Medicine at the University of Vermont

#### **ERICA L. MCCLASKEY, MD, MS**

Georgetown University School of Medicine

# **CAROLINE K. MILNE, MD**

Spencer Fox Eccles School of Medicine at the University of Utah

# SHANA N. MISKOVSKY, MD

Case Western Reserve University School of Medicine

# JOHN RAGSDALE, MD, MS

University of Kentucky College of Medicine

# DAVID R. RENNER, MD, MSCI, DTMH

Spencer Fox Eccles School of Medicine at the University of Utah

#### JEREMY B. RICHARDS, MD, MA

Harvard Medical School

#### MARIANNE E. RIDEOUT, MD

Robert Larner, M.D. College of Medicine at the University of Vermont

#### HENRY A. SAKOWSKI, II, MD

Creighton University School of Medicine

# MARK SAKS, MD, MPH

Drexel University College of Medicine

#### JIMMY L. STEWART, JR., MD

University of Mississippi School of Medicine

#### NIKKI STEWART, MD, MPH, MBA

Howard University College of Medicine

#### **COLLEEN K. STOCKDALE, MD, MS\***

University of Iowa Roy J. and Lucille A. Carver College of Medicine

#### HAROLD M. SZERLIP, MD, MS

Medical University of South Carolina College of Medicine

#### L. RENATA THRONSON, MD

University of Washington School of Medicine

#### AMY L. WAER, MD

Texas A&M University School of Medicine

#### STEVAN P. WHITT, MD

University of Missouri-Columbia School of Medicine

#### TAMMY O. WICHMAN, MD

University of Nebraska College of Medicine

# **ERIC R. WILLIAMS, MD**

University of South Carolina School of Medicine, Columbia

# **Forms Review**

Forms Review group members review examination forms (multiple-choice questions and cases) to ensure that each form is balanced in terms of content, and also demonstrates breadth across content. Individuals selected to participate in this activity are veteran committee members with previous item writing or case authoring experience.

# Step 1 Forms Review

# **NELIA M. AFONSO, MD**

Oakland University William Beaumont School of Medicine

#### JAY M. BEHEL, PHD

Rush Medical College of Rush University Medical Center

#### **DIANE M. BISKOBING, MD**

Virginia Commonwealth University School of Medicine

#### **EDWARD R. BOLLARD, MD, DDS**

Penn State College of Medicine

#### PAUL C. BRANDT, PHD

Texas A&M University School of Medicine

# ANGELA CHERRY, MD, MBA

West Virginia University School of Medicine

# JOHN A. DAVIS, MD, PHD

University of California, San Francisco School of Medicine

# KRISTY S. DEEP, MD, MA

University of Kentucky College of Medicine

# RACHEL J. GORDON, MD, MPH

Columbia University Vagelos College of Physicians and Surgeons

# KATHLEEN A. JONES, MD

The University of Texas at Tyler School of Medicine

# REENA KARANI, MD, MHPE

Icahn School of Medicine at Mount Sinai

# JAMES N. LAU, MD, MHPE

Loyola University Chicago Stritch School of Medicine

#### **ROBIN MICHAELS, PHD**

University of Minnesota Medical School

#### **DAVID R. NORRIS, MD, EDD**

University of Mississippi School of Medicine

#### **BARBARA RITSCHEL, MD**

Uniformed Services University of the Health Sciences, F. Edward Hébert School of Medicine

#### **BRENDA J. ROMAN, MD**

Boonshoft School of Medicine Wright State University

# CAREN M. STALBURG, MD, MA

University of Michigan Medical School

#### LEKI TADDESSE-HEATH, MD

Howard University College of Medicine

#### **LAURIE L. WELLMAN, PHD**

Eastern Virginia Medical School

#### JUDITH A. WESTMAN, MD

Emeritus, The Ohio State University College of Medicine

#### TERESA W. WILBORN, PHARMD, PHD

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

# Step 2 Forms Review

# JONATHAN S. APPELBAUM, MD

Florida State University College of Medicine

# **EDWARD R. BOLLARD, MD, DDS**

Penn State College of Medicine

# KAREN J. BRASEL, MD, MPH

Oregon Health & Science University School of Medicine

#### **SEINE CHIANG, MD**

University of Washington School of Medicine

#### SUSAN M. COX, MD, MA

The University of Texas at Tyler School of Medicine

# JANIS L. CUTLER, MD

Columbia University Vagelos College of Physicians and Surgeons

#### ILJIE K. FITZGERALD, MD, MS

David Geffen School of Medicine at UCLA

#### JOHN S. FRANCIS, MD, PHD

Yale School of Medicine

#### STEVEN GO, MD

University of Missouri-Kansas City School of Medicine

#### DAVID C. JUDE, MD

Marshall University Joan C. Edwards School of Medicine

# **ALLISON B. LUDWIG, MD**

Albert Einstein College of Medicine

#### J. MARC MAJURE, MD

University of Mississippi School of Medicine

#### **GLEN A. MEDELLIN, MD**

UT Health San Antonio Joe R. & Teresa Lozano Long School of Medicine

#### **CHRISTINE S. SEIBERT, MD**

University of Wisconsin School of Medicine and Public Health

#### MARK E. SERVIS, MD

University of California, Davis School of Medicine

#### PAULA M. TERMUHLEN, MD

Western Michigan University Homer Stryker M.D. School of Medicine

# **ROBERT R. WITTLER, MD**

University of Kansas School of Medicine, Wichita

#### **ALLYSON R. ZAZULIA, MD**

Washington University in St. Louis School of Medicine

# Step 3 Forms Review

# MICHAEL A. BOHRN, MD

Drexel University College of Medicine

# KAREN J. BRASEL, MD, MPH

Oregon Health & Science University School of Medicine

# MICHAEL S. BRONZE, MD

University of Oklahoma College of Medicine

#### RANDOLPH J. CANTERBURY, II, MD, MS

University of Virginia School of Medicine

#### **KENDALLE COBB, MD**

Cleveland Clinic Lerner College of Medicine of Case Western Reserve University

#### **DOMINIQUE COSCO, MD**

Washington University in St. Louis School of Medicine

#### MICHAEL J. CZARNECKI, DO

George Washington University School of Medicine and Health Sciences

# MICHAEL J. DONNELLY, MD

Georgetown University School of Medicine

#### JOHN S. FRANCIS, MD, PHD

Yale School of Medicine

#### HEIDI L.D. GULLETT, MD, MPH

Case Western Reserve University School of Medicine

#### **CRAIG J. HOESLEY, MD**

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

#### REENA KARANI, MD, MHPE

Icahn School of Medicine at Mount Sinai

# **SORABH KHANDELWAL, MD**

The Ohio State University College of Medicine

# LOIS E. KRAHN, MD\*

Mayo Clinic Alix School of Medicine

#### MICHAEL D. LANDRY, MD

Tulane University School of Medicine

#### **KEVIN J. LEON, MD**

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

# PETER S. MARCUS, MD, MBA

Indiana University School of Medicine

# **BRIDGET M. MARROQUIN, MD, MSHPE**

Robert Larner, M.D. College of Medicine at the University of Vermont

# HENRY A. SAKOWSKI, II, MD

Creighton University School of Medicine

## JIMMY L. STEWART, JR., MD

University of Mississippi School of Medicine

# **NIKKI STEWART, MD, MPH, MBA**

Howard University College of Medicine

# COLLEEN K. STOCKDALE, MD, MS\*

University of Iowa Roy J. and Lucille A. Carver College of Medicine

# TRAVIS P. WEBB, MD, MHPE

University of Tennessee Health Science Center College of Medicine

# COLIN P. WEST, MD, PHD

Mayo Clinic Alix School of Medicine

# **USMLE Task Forces**

# Legal/Ethical Task Force

The USMLE Legal/Ethical Task Force is a group of subject matter experts convened to review the content outline in the areas of Legal, Ethical, and Professionalism as related to medical licensure. With guidance and approval from the USMLE Management Committee, the group's task is to determine the most pertinent topics in these areas that are appropriate for testing across the USMLE examination series, revise the content outline as needed, and provide guidance to item writers assigned to develop questions on these topics.

#### Chair

# PATRICIA A. KING, MD, PHD\*

Robert Larner, M.D. College of Medicine at the University of Vermont

# ANDREA ANDERSON, MD, MED\*

George Washington University School of Medicine and Health Sciences

#### G. MICHAEL HARPER, MD

University of California, San Francisco School of Medicine

#### JOANNA R. KUPPY, MD

Rush Medical College of Rush University Medical Center

#### YASYN LEE, MD\*

Dubuque, IA

#### **KEVIN J. LEON, MD**

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

# TRAVIS P. WEBB, MD, MHPE

University of Tennessee Health Science Center College of Medicine

# **USMLE Multimedia Task Force**

The Multimedia Task Force provides guidance for multimedia in USMLE. Guidance will be shared with staff and subject matter experts. Tasks include providing feedback regarding current images in the database, providing recommendations for obtaining more images, and assisting in providing guidelines on the level of learner for a particular type of image.

#### Chair

#### **KATHLEEN A. JONES, MD**

The University of Texas at Tyler School of Medicine

# **CHRISTIAN ARBELAEZ, MD, MPH**

Boston University Aram V. Chobanian & Edward Avedisian School of Medicine

#### JOHN A. DAVIS, MD, PHD

University of California, San Francisco School of Medicine

#### PETER S. MARCUS, MD, MBA

Indiana University School of Medicine

#### **GLEN A. MEDELLIN, MD**

UT Health San Antonio Joe R. & Teresa Lozano Long School of Medicine

#### **MARIANNE E. RIDEOUT, MD**

Robert Larner, M.D. College of Medicine at the University of Vermont

#### **BARBARA RITSCHEL, MD**

Uniformed Services University of the Health Sciences, F. Edward Hébert School of Medicine

#### ALYSSA STEPHENSON-FAMY, MD

University of Washington School of Medicine

# **Standard Setting Panels**

Standard Setting Panel Members evaluate the pass/fail standard used for USMLE Step exams. Data from the standard setting panels are used by the USMLE Management Committee when they review the minimum passing performance levels for USMLE exams. Panelists include faculty from medical schools across the United States, members of state medical boards, and practicing physicians. They contribute subject matter expertise as well as knowledge of the examinee populations and the skills and competencies necessary for the safe and effective practice of medicine.

# Step 3 Standard Setting

#### STANLEY M. AUGUSTIN, MD

University of Missouri-Kansas City School of Medicine

#### JADA BUSSEY-JONES, MD

**Emory University School of Medicine** 

#### MICHAEL CABANA, MD, MPH

Albert Einstein College of Medicine

#### **DIANE L. CHAU, MD**

University of California, San Diego School of Medicine

#### SHELLEY W. COLLINS, MD

University of Florida College of Medicine

#### **JUSTIN DEANGELIS, MD**

Robert Larner, M.D. College of Medicine at the University of Vermont

# AMAR R. DESHPANDE, MD

University of Miami Leonard M. Miller School of Medicine

#### **BRIGID DOLAN, MD, MED**

Northwestern University Feinberg School of Medicine

#### KATHLEEN DONNELLY, MD

University of Virginia

# SARAH FARRIS, MD

University of South Carolina School of Medicine, Greenville

#### ADAM J. GRAY, MD

University of Kentucky College of Medicine

# **MIRIAM HOFFMAN, MD**

Hackensack Meridian School of Medicine

#### **NANCY HUEPPCHEN, MD**

Johns Hopkins University School of Medicine

#### **JOHN INGRAM, MD**

University of Mississippi School of Medicine

#### CHRISTOPHER D. JACKSON, MD

University of Tennessee Health Science Center College of Medicine

# **KATHERINE JULIAN, MD**

University of California, San Francisco School of Medicine

#### STEVEN J. LISCO, MD

University of Nebraska College of Medicine

#### JOHN T. MCDONALD, MD

University of Alabama at Birmingham Marnix E. Heersink School of Medicine

#### LAURA MILLER, MD

Loyola University Chicago Stritch School of Medicine

#### SEETHA U. MONRAD, MD

University of Michigan Medical School

#### ALEJANDRO M. MORENO, MBBS, MPH, JD

University of Texas at Austin Dell Medical School

#### MICHAEL J. MUSZYNSKI, MD

Florida State University College of Medicine

#### SANDRA K. OZA, MD, MA

Albert Einstein College of Medicine

#### **KENDRA PAREKH, MD**

Vanderbilt University School of Medicine

# DANIEL P. POTENZA, MD\*

Dorothea Dix Psychiatric Center

# RAMANTHAN RAJU, MD, MBA

Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

# **BRIGIT E. RAY, MD, MME**

University of Iowa Roy J. and Lucille A. Carver College of Medicine

## **SUSAN THOMAS, MD**

Morehouse School of Medicine

# R. FRANKLIN TRIMM, MD

Frederick P. Whiddon College of Medicine at the University of South Alabama

# TERI TURNER, MD, MPH, MED

Baylor College of Medicine School of Medicine

# ANDREW A. WHITE, MD

University of Washington School of Medicine

# TARA ZAHTILA, DO

Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

# State Board Advisory Panel to USMLE

The State Board Advisory Panel to USMLE is composed of state medical board staff and members and is convened annually by the USMLE program to discuss and get input on USMLE issues and policies that may impact state medical boards (e.g., USMLE scoring, USMLE security, exam design, communications with state boards). The panel also provides the USMLE program with information and updates on issues that are impacting the individual states and medical boards that may be of interest to or impact the USMLE program or examinees.

#### **STEPHEN BOESE**

New York State Board for Medicine (Licensure)

#### STEPHEN BRINT CARLTON, JD

Texas Medical Board

#### **GERARD "GERRY" DILLON, PHD**

Pennsylvania State Board of Medicine

#### SHAMI GOYAL, MD

Illinois Department of Financial and Professional Regulation/Illinois State Medical Board

#### **GUILLERMO GUZMAN, MD**

Idaho Board of Medicine

#### MUSTAFA "MARK" HAMED, MD

Michigan Board of Medicine

#### **DAVID HERLIHY**

Vermont Board of Medical Practice

#### MARIA LAPORTA, MD

Illinois Medical Licensing Board

#### **REBECCA ROBBINS**

Medical Licensure Commission of Alabama

# MARK SPANGLER, MA, LPC

West Virginia Board of Medicine



# Thank you to all who served on the USMLE Committees & Task Forces in 2023

We invite you to learn more about the USMLE by visiting USMLE.org.