



Technical Expert Panel on Electronic Health Record (EHR) Data Quality Best Practices for Increased Scientific Acceptability

TECHNICAL EXPERT PANEL CO-CHAIRS

Cynthia Cullen, MS, MBA, PMP

Principal Program Analyst, Mathematica
Princeton, New Jersey

Ms. Cynthia Cullen currently co-directs Mathematica's measure development portfolio. She has led several electronic clinical quality measures (eCQMs) development projects for federal clients including the Centers for Medicare and Medicaid (CMS) and the Office of the National Coordinator for Health Information Technology (ONC). Trained as an engineer, she brings a technical and solutions-focused approach to measure development and maintenance activities. Over the past eight years, Ms. Cullen established procedures for review and update of the eCQMs used in CMS' quality reporting programs, gaining experience with eCQM standards and terminologies and interacting with implementers to understand the challenges of eCQM data capture and reporting.

Michael Lieberman, MD, MS

Medical Director, Oregon Community Health Information Network (OCHIN)
Portland, Oregon

Dr. Michael Lieberman serves as the Medical Director for Population Health at Oregon Community Health Information Network (OCHIN) and is an Associate Professor of Medical Informatics and Medicine at Oregon Health & Science University (OHSU). As a physician informaticist, he has worked in the field of electronic health records, decision support, and performance measurement using electronic health data for over 15 years. He has held informatics leadership roles for both EHR vendors and healthcare provider organizations. Clinical quality measurement using EHR data has been an area of focus throughout his career.

TECHNICAL EXPERT PANEL MEMBERS

JohnMarc Alban, MS, RN, CPHIMS

Associate Director, Quality Measurement & Informatics, The Joint Commission
Oakbrook Terrace, Illinois

Mr. JohnMarc Alban is the Associate Director of Quality Measurement and Informatics at The Joint Commission. He oversees the development of chart-based and electronic clinical quality measures used in the accreditation and certification programs at The Joint Commission. Mr. Alban joined The

Joint Commission after 18 years in acute care settings. He is a registered nurse whose experience includes leadership roles in information technology, informatics, infectious disease epidemiology and a variety of clinical roles. Mr. Alban has a master of science in medical informatics from Northwestern University, Chicago, Illinois, and is a certified professional in health information and management systems.

Zahid Butt, MD FACG

President and Chief Executive Officer, Medisolv, Inc.
Columbia, Maryland

Dr. Zahid Butt is the CEO and subject matter expert at Medisolv. He has a long history of implementing and developing EHR based analytics and standards-based electronic quality measures (eCQMs) in both the inpatient and ambulatory settings. He also regularly participates in eCQM and measure development testing.

John Derr, RPh

JD & Associates Enterprises Inc.
Anacortes, WA

Mr. John Derr is an expert in long-term post-acute care (LTPAC) clinical technology. He has additional experience in software development, selling, marketing, service engineering, product development, information technology, technology transfer, federal regulatory, clinical chemistry, pharmaceuticals, diagnostics, devices, lasers, imaging instrumentation, hospital management, long-term care, international, and integrated computer systems. He also has successful clinical programs in cardiovascular, diagnostic imaging, orthopedics, dermatology, software applications, medication management, and clinical health information technology.

Karen Dorsey, MD, PhD

Associate Research Scientist, Yale University
New Haven, Connecticut

Dr. Karen Dorsey is a pediatrician at Yale School of Medicine. She earned her medical degree from Washington University in Saint Louis, graduated from the Robert Wood Johnson Clinical Scholar Program and earned a PhD in investigative medicine at Yale before joining the Department of Pediatrics faculty in 2006. She has been a key leader of CORE's Quality Measurement work for seven years, overseeing measure reevaluation, rulemaking, development of measures, and NQF work. She oversees new eCQM development and testing as well as our evolving approach to social risk factor testing for the NQF endorsement process for over 20 CMS measures.

Zabrina Gonzaga, RN

Latana Consulting Group, Inc.
Wake Forest, North Carolina

Ms. Zabrina Gonzaga is a registered nurse with a background in primary care as a pediatric nurse practitioner with over 10 years of experience in health information technology, with six years spent designing solutions for a leading electronic health record (EHR) system vendor. She is an expert in post-acute care standards development and interoperability and CDA standards development related to NHSN healthcare associated infections reporting in long-term care facilities, pharmacy, oncology, and care planning. She has experience with creating test decks for testing eCQMs and with field

testing data elements for use in potential measures.

Toby Heyn

Business Intelligence Developer, Epic Systems Corporation
Verona, Wisconsin

Toby Heyn leads a development group focused on designing, developing, and maintaining tools for outpatient clinical quality measurement and reporting. He has technical experience with various Electronic Clinical Quality Improvement (eCQI) standards, including Clinical Quality Language (CQL), Quality Data Model (QDM), and Quality Reporting Document Architecture (QRDA), and associated EHR certification requirements. Toby prioritizes streamlined clinical workflows, and is a strong supporter of alignment and consistency across various quality measure programs.

David Kendrick, MD, MPH

Principal Investigator and Chief Executive Officer, MyHealth Access Network
Tulsa, Oklahoma

David Kendrick, MD, MPH is an engineer, internist, pediatrician, and medical informaticist with more than 25 years of experience working with health data to derive measurements for research and clinical quality improvement. Dr. Kendrick is the founder and chair of the Department of Medical Informatics at the University of Oklahoma and also founded and serves as the consulting CEO for Oklahoma's HIE, MyHealth Access Network. David serves or has served as a consulting subject matter expert to the ONC, CMS, and NCQA and a board member for the NRHI and SHIEC and currently serves as board chair for NCQA.

Angela Kennedy, DC, MBA

Director, Measure Development, American Society of Clinical Oncology
Alexandria, Virginia

Ms. Angela Kennedy is the Director of Measure Development at the American Society of Clinical Oncology. She has over 18 years of healthcare experience in radiology, radiation oncology, pathology, and oncology. Angela has worked in EHR data quality since 2010 including RadLex, DICOM, and the National Cancer Institutes (NCI) Center for Bioinformatics and Information Technology (CBIT) Cancer Bioinformatics Grid (caBIG) in radiology; the Office of the National Coordinator (ONC) Health IT Research Center (HITRC) National Learning Consortium (NLC); Integrating the Healthcare Enterprise - Radiation Oncology (IHRO); Clinical Quality Measure e-specification, and implementation in to QCDRs.

Joseph Kunisch, PhD, RN-BC, CPHQ

Enterprise Director of Clinical Quality Informatics, Memorial Hermann Health System
Houston, Texas

Dr. Joseph Kunisch currently serves in the role of Enterprise Director for Clinical Quality Informatics for Regulatory Performance for Memorial Hermann Health System. He oversees the quality measure reporting program at a large, integrated healthcare system and collaborated with quality measure developers to develop and test their eCQMs. He has served on multiple quality-related TEPs to share his knowledge of quality measurement from the clinician perspective and to integrate the domains of quality and performance improvement with clinical informatics in an effort to advance the success of reporting clinical quality measures directly from the EHR.

James Langabeer, PhD, MBA

Professor, University of Texas Health Center at Tyler
Houston, Texas

Dr. James Langabeer is a professor of Emergency Medicine, Public Health, and Clinical Informatics at University of Texas Health Science Center. He is also a widely-published health services researcher focusing on quality and outcomes in emergency and cardiovascular medicine and has served as principal investigator on over \$25 million of grants and contracts. Dr. Langabeer has authored multiple textbooks, including the best-selling *Healthcare Operations Management* (Jones and Bartlett, 2018). He has volunteered with the American Heart Association for almost 10 years, and currently serves as the national Chair of their Ambulatory Quality Improvement Advisory Committee.

Jamie Lehner, MBA, CAPM

Associate Director, PCPI Foundation
Chicago, Illinois

Jamie Lehner is the Associate Director of Measure Specifications at the PCPI and has 8 years of experience developing and maintaining performance measure specifications. Ms. Lehner incorporates existing standards and tools into her work, covering clinical topic areas including emergency medicine, preventive care, and oncology. This work entails exploration of electronic health record related issues and solutions to more accurately capture measure requirements. In addition, Ms. Lehner manages the maintenance of PCPI quality measures in CMS's Quality Payment Program, and recently served on the NQF's Chief Complaint-Based Quality of Emergency Care Committee.

Jacob Lynch, RN-BC

Technology Consultant at Medical Advantage Group
Tampa, Florida

Jacob Lynch is a board-certified Registered Nurse Informaticist currently working as a consultant for Medical Advantage Group, a subsidiary of The Doctor's Company. While he has experience working with large health systems, his focus is on small rural practices. His primary area of expertise is optimizing workflows and EHR tools to meet patient care, quality, billing, and operational needs.

Jana Malinowski

Solution Lead – Regulatory Quality Reporting, Cerner
Kansas City, MO

Ms. Malinowski leads Solution Strategy for hospital and physician quality measurement including Certified EHR and agnostic platforms. She has experience in both quality and EHR certification. Ms. Malinowski has demonstrated acumen for policy considerations for program/measure development and is known for understanding the implications of quality measurement on EHR technology. She is thoughtful of clinical workflow, minimizing burden for data capture, and the design to make quality measurement a byproduct of care automated by EHR technology. Jana is engaged in industry workgroups focused on quality measurement. She brings perspective and expertise including policy development, specification design, and measurement architecture.

James Mcclay, MD, MS, FACEP

Associate Professor, Emergency Medicine and Medical Informatics, UNMC

Omaha, Nebraska

Dr. James McClay is Professor of Emergency Medicine and Chair of the Biomedical Informatics graduate program at the University of Nebraska Medical Center (UNMC). He has led multiple collaborations developing innovative methods for the capture, encoding, and reuse of clinical data to improve the quality and safety of healthcare. Dr. McClay is an internationally recognized health information technology (HIT) standards developer chairing a Health Level Seven (HL7) International workgroup. He is a member of the American Medical Informatics Association where he serves on the scientific program committee. He is a practicing clinician at Nebraska Medicine in Omaha, Nebraska.

Shelly Nash, DO

CMIO- Ambulatory, AdventHealth
Altamonte Springs, Florida

Dr. Shelly Nash is a physician, clinical informaticist and the Chief Medical Information Officer and Chief of Quality for the Physician Enterprise of AdventHealth System. She oversees the EHR activities, quality initiatives, and reporting activities for AdventHealth's 2000 employed providers. Dr. Nash is board certified in both obstetrics and gynecology and clinical informatics and has extensive experience in the HIT arena. In addition to her clinical background, she worked on the initial creation of SNOMED CT, has worked on software development with GE Healthcare, and has been a member of a MACRA technical expert panel on episode-based cost measures.

Shea Polancich, PhD, RN

Assistant Dean, System Director Nursing Analytics and Improvement, University of Alabama at Birmingham
Birmingham, Alabama

Shea Polancich has been practicing in improvement and safety science for 17 years. She is currently an Associate Professor and Assistant Dean at the University of Alabama at Birmingham (UAB) School of Nursing with a joint appointment at UAB Hospital, Birmingham, Alabama as an administrative director specializing in improvement and patient safety, innovation, and analytics. Formerly, her roles included the Director for Quality and Patient Safety at Vanderbilt University Medical Center, Director of Data Analysis and Measurement at Texas Health Resources, NIH/NINR research intern, and health policy fellow at George Mason University.

Stan Rankins

HIT Standards Specialist, Telligen
West Des Moines, Iowa

Mr. Stan Rankins has over 15 years of experience in working with CQMs. He has two bachelor's degrees in English and MIS. An MSIT degree (software design and management concentration) is in progress. He has the following certifications: CSPO, CSM, and HL7 CDA Specialist. For two years, he has served as the IA HIMSS HIE Liaison (2018 – present). As an Integration Architect at Telligen, he is the lead HL7 technical adviser to the CMS Measure Authoring Tool and CPC+ program teams and the CMS EP/EH eCQM measure developers. He is a co-editor of the HL7 HQMF and QRDA III specifications.

Mike Sacca

RELI Group, Inc
Catonsville, MD

Mr. Sacca has experience in all aspects of national electronic clinical quality measure development, encompassing the identification, prioritization, development, testing, and implementation of eQCMs across multiple quality reporting and payment programs, clinical care settings, and levels of attribution. This includes driving EHR data procurement and test site recruitment/vetting across entities (e.g., individual/group practices/clinics, medical facilities/systems, dental practices, HIT/EHR/standards vendors, data suppliers/analytic firms, qualified entities/qualified health plans), and extends to leading national public/private sector initiatives for improving the access/availability/quality of EHR data (e.g., NQF Incubator Data and Testing Committee Member; Champion and Co-Lead of the CMS/ONC Lean Kaizen eCQM National Test Bed).

Albert Taylor, MD

Medical Informatics Officer, Office of the National Coordinator for Health Information Technology (ONC)

Springfield, Virginia

Dr. Albert Taylor is a Medical Informatics Officer in the Office of the National Coordinator for Health Information Technology. He received his BA in molecular, cellular, and developmental biology from the University of Colorado, Boulder, and his MD from Uniformed Services University of the Health Sciences, Bethesda, Maryland. He completed his residency in obstetrics and gynecology at Walter Reed Army Medical Center, Washington, DC and retired from the Army after 24 years on active duty. At ONC, he has developed electronic clinical quality measures for federal programs and promotes the use of HIT standards to improve usability and interoperability.