PRESENTER BIOGRAPHICAL SKETCHES
Ensuring the Quality of Quality Data Hearing
HITPC Certification/Adoption Workgroup and Quality Measures Workgroup
November 30, 2012

Panel 1: Current State of EHR-Generated Data Quality for Clinical Quality Measurement

Andrew Mellin, McKesson
Howard Bregman, Epic
Prashila Dullabh, NORC
Richard Cramer, Informatica
Ruth Jenkins, Medical University of South Carolina
Walter Sujansky, California Joint Replacement Registry
Michael Ross, Eastern Maine Medical Center
Francis Campion, DiagnosisOne

Andrew Mellin, MD, MBA currently is responsible for the quality and population health strategy for the Enterprise Intelligence division within McKesson Provider Technologies. In that role, Dr. Mellin leads efforts to deliver provider-focused tools that measure risk and hardwire quality for populations across settings of care. Prior to that role, Dr. Mellin led a team that created innovative solutions for providing real-time clinical intelligence at the point of care within McKesson's electronic health record. From 2005-2007, Dr. Mellin was the Medical Director for Excellian at Allina Hospitals & Clinics where he was responsible for the physician adoption and optimization activities of the Davies award winning electronic health record implementation at 11 hospitals and 60 clinics throughout Minnesota. Prior to his role at Allina Hospitals and Clinics, Dr. Mellin was at McKesson where he was responsible for physician strategy and physician product management for the Horizon Clinicals electronic health record.

Dr. Mellin also currently works part-time Hospitalist at United Hospital in St. Paul, Minnesota. He received his MD from Duke University, completed his residency in Internal Medicine at Barnes Hospital in St. Louis, and received his MBA from the Carlson School of Management at the University of Minnesota.

Howard S. Bregman, MD, MS, is a pediatrician and a member of the clinical informatics team at Epic, in Verona, WI. He is the primary clinical consultant for Epic's quality measurement and Meaningful Use programs, and clinical director of Epic's Model System. He is a Fellow of the American Academy of Pediatrics.

Prashila Dullabh, MD, serves as Health IT Program Area Director at NORC at the University of Chicago. Dr Dullabh has led numerous mixed-method evaluation studies in health IT. She is currently leading the evaluation of one of the HITECH programs; the

State Health Information Exchange Program for the Office of the National Coordinator (ONC). She has also conducted various studies focused on consumer e-Tools and personal health records. Notably she is leading another ONC-sponsored study assessing how data quality in Electronic Health Records can be improved by patient-provider engagement. Other relevant projects include an assessment of the use of consumer e-Tools in Beacon communities and evaluation of the two PHR projects funded by the Centers for Medicare and Medicaid Services.

Richard Cramer is the Chief Healthcare Strategist for Informatica, a data integration software company. He is a passionate advocate for the role that information technology and data can play in improving the quality and value of healthcare in the United States. Working closely with senior clinical and business leaders – representing payers, providers and technology companies – Richard maintains a comprehensive and poignant point of view on how organizations can move from current state systems and processes, to a healthcare future where care is high quality, high value and data-driven. Immediately prior to joining Informatica, Richard was the Associate CIO for Operations and Health Information Exchange at UMass Memorial Health Care where he led initiatives to improve care coordination and integration both within the health system, as well as with private physicians within the community. Among his accomplishments, Richard includes defining the information technology strategy supporting disease management initiatives at the University of Pennsylvania Health System in the early days of healthcare providers implementing population health initiatives. Richard received a Bachelor of Science degree in computer science from the United States Air Force Academy and prior to his time in healthcare served as a flight test engineering and systems analyst.

Ruth G. Jenkins, PhD is a graduate of Georgia Southern University and the Medical University of South Carolina. Currently a Research Assistant Professor at the Medical University of South Carolina in Charleston, SC, Dr. Jenkins holds a Master's Degree in Biostatistics and Doctorate in Medical Informatics. Her experience with electronic medical records spans over two decades and ranges from system evaluations, implementation, evaluation, building longitudinal patient records for research and quality improvement, and generating clinical quality measures. She has been the lead Informatician for PPRNet since its inception in 1995. PPRNet is a national primary care practice-based research network and an AHRQ Center for Primary Care Practice-Based Research and Learning. Created as a joint effort between the Department of Family Medicine at the Medical University of South Carolina, Practice Partner® (now part of the McKesson Corporation, San Francisco, CA), and interested practices across the United States, PPRNet maintains a longitudinal clinical database derived from the Practice Partner® EHR (PP®) used in each participating practice that is updated through electronic data extracts. The PPRNet database is used for both quality reporting and assessing the impact of research projects. As of November 2012, PPRNet has 1218 providers among 206 active practices in 41 U.S. States. Family medicine practices account for approximately 70% of PPRNet members, internal medicine, 20%. Dr. Jenkins has extensive knowledge in practice-based research, health information technology, biostatistics, comparative effectiveness research, dissemination research,

group randomized quality improvement trials, and working with primary care practitioners to improve care.

Walter Sujansky, M.D. Ph.D. is the President of Sujansky & Associates, a consulting firm that specializes in the representation, analysis, and exchange of clinical data in information systems. He is currently serving as the Chief Technology Officer for the California Joint Replacement Registry, as well as the project director for a pilot implementation of the DIRECT messaging protocols in North San Diego county. Dr. Sujansky's consulting firm has worked since 2003 to design and implement disease registries, clinical data warehouses, health information exchanges, and EHR systems.

In past engagements, Dr. Sujansky's firm assisted the California Health and Human Services Agency and Cal eConnect in designing architectures and operational models for health information exchange, as well as clinical data standards, patient identity-matching methods, and access-control models for PHI. Prior to Sujansky & Associates, he served as the Director of Product Development at ePocrates, Inc., a pioneering firm in mobile clinical reference data for physicians. He also served as the Director of Clinical Data Engineering at Oceania, Inc., introducing techniques for structured data-entry and data analysis in electronic medical record systems. Dr. Sujansky received his M.D. and Ph.D. in medical information sciences at Stanford University, where his doctoral work addressed heterogeneous database integration and clinical decision support. He received his undergraduate degree in economics at Harvard College.

In addition to his duties at Sujansky & Associates, Dr. Sujansky publishes and teaches on various topics in applied health informatics. He has also served on expert informatics panels for the Markle Foundation, the Brookings Institution and the Agency for Health Care Research and Quality.

Michael Ross, MD, FAAP, is the lead pediatrician at Husson Pediatrics, a large pediatric practice in Bangor, Maine. Dr. Ross graduated from his pediatric residency at Tufts-New England Medical Center in 2003, and has been practicing in Maine since that time. Dr. Ross is active in quality work on local, system, and state levels. At Husson pediatrics, Dr. Ross has pioneered and implemented multiple quality metric programs, including programs in Asthma, Lead screening, Developmental screening, Autism surveillance, and ADHD. On a system's level, Dr. Ross is the chief of the Department of Outpatient Pediatrics, and has been active in pediatric quality for Eastern Maine Healthcare Systems, introducing system-wide improvements in pediatric care. Since 2009, Michael has served as the co-chair of the Maine AAP's quality improvement committee, and has acted as a clinical consultant for the Children's Health Insurance Program Reauthorization Act - Improving Health Outcomes for Children (CHIPRA/IHOC) grant and GE Healthcare. Dr. Ross is married to Kimberly Ross, a preschool teacher. They have 2 boys, Alex (12) and Max (8).

Francis X. Campion, M.D., F.A.C.P. is Vice President for Clinical Affairs for DiagnosisOne, Inc., a subsidiary of Alere, Inc. providing leading edge clinical decision

support software solutions to the healthcare industry. Dr. Campion oversees DiagnosisOne's evidence-based rules engine and library of medical knowledge for applications used in multiple different electronic health record systems. Primary applications for clinical alerts and analytics today are population management for Accountable Care Organizations and quality measures for the CMS Meaningful Use program.

He served as medical director for research at Outcome Sciences, a Quintiles Company, based in Cambridge, MA, 2007 – 2011. He was responsible for development of the COMPASS Research network, a distributed research network focused on health economics and comparative effectiveness research. Dr. Campion oversaw clinical applications for the AHA Get With the Guidelines Stroke, Heart Failure and Resuscitation registries and served as a member of the AHA national steering and executive committees for the registries from 2007-2011. He also directed Outcome's vendor services for quality reporting including the CMS PQRS and Meaningful Use programs and The Joint Commission core measure program.

He is a member of the Department of Population Medicine at Harvard Medical School and maintains his internal medicine clinical practice at the Harvard Vanguard Medical Associates, Kenmore center in Boston. He served as the Director for Clinical Information Systems at Harvard Vanguard/Atrius Health from 2005-2007, helping to roll out the EpicCare EMR across the Atrius Health Care System of 700 physicians. He served as Medical Director of HVMA's Complex Chronic Care disease management service from 2007-2009. He was the Vice President for Clinical Integration of the Caritas Christi Health System, 1995-2005 and was the Director of Quality Resources at the Lahey Clinic in Burlington, MA, 1990-1995.

He received his AB degree in biology from the College of the Holy Cross, medical degree from Harvard Medical School and completed internal medicine residency training at the New England Deaconess Hospital.

Panel 2: Addressing Barriers to EHR-Generated Data Quality

Puneet Batra, Kyruus
Janice Nicholson, i2i Systems
Chris Queram, Wisconsin Collaborative for Healthcare Quality
Jonathan Keller, Central Utah Informatics
Mark Massing, Carolinas Center for Medical Excellence
Landen Bain, CDISC
Jackie Mulhall, SMC Partners
Alan Silver, IPRO
Kate Goodrich, CMS

Puneet Batra is the Chief Data Scientist at Kyruus, a health care startup in Boston that enables physician network optimization. Puneet was previously the Lead Analytic Scientist at Aster Data, where he created new algorithms, data products and product

strategies for Fortune 500 companies using their petabyte-scale data assets. Prior to joining Aster Data, Puneet designed a social network based model of customer churn for T-Mobile while a Scientific Associate at Dataspora. Puneet has worked with two of the world's largest experimental facilities, the Fermilab Tevatron and CERN's Large Hadron Collider, to identify anomalies and propose new models of fundamental physics. He has held research positions at Harvard, Stanford and Columbia Universities. Puneet completed his BA at Harvard University and has a Ph.D. in Physics from Stanford University.

Janice Nicholson is CEO and co-founder of i2i Systems, a leading provider of Population Health Management solutions. Known in the healthcare industry as an information technology thought leader and visionary, Janice is asked to speak at conferences and serve as an expert panelist before regulatory committees. She has over 20 years of experience in helping health care organizations successfully manage and make use of their clinical data. Before founding i2i Systems, Janice had an extensive career as a software engineer. She has played a major role in developing a patient management system for private practice; has successfully managed over 10 major product releases; and, prior to its acquisition by WebMD, was Vice President of Product Engineering at HealthPro Solutions. While at HealthPro, Janice led her development team in creating one of the leading patient management software products still on the market today.

Jonathan Keller is the Director of Data Analytics for Central Utah Clinic and the Managing Director of Central Utah Informatics. He has spent the past nine years creating dynamic solutions for a wide range of Healthcare issues.

Jonathan began his career in Connecticut working for a 100+ Primary Care physician group. There he developed a web-based tracking system to assist providers in managing chronic disease states as well as promote preventive care.

Since moving to Utah in 2006, he has created a robust reporting system with a backend SQL data warehouse with connectivity in MS Excel for end user reporting. He also created and developed an eMR ad-on solution (QIS) that facilitates the tracking, feedback, updating of user defined quality performance metrics.

QIS displays immediate feedback to providers in order to efficiently assess a patient's health status across all QIS designated disease metrics associated with that patient. QIS serves as a critical tool in improving patient care.

Central Utah Informatics (CUI) is a qualified CMS Registry reporting PQRS and eRX data for provider groups all across the country. Jonathan has been involved in CUI since its inception and has been instrumental in its success.

Jonathan earned his undergraduate degree from Brigham Young University and an MBA from the University of Connecticut.

Mark Massing, MD, PhD, MPH, is the Director of Research at the Carolinas Center for Medical Excellence, the Medicare Quality Improvement Organization (QIO) for the Carolinas. He is an adjunct associate professor of epidemiology at the University of North Carolina Gillings School of Global Public Health and he also holds adjunct appointments at the University of North Carolina Department of Social Medicine and the University of South Carolina Arnold School of Public Health. Dr. Massing has 20 years experience as an information systems professional working in the finance, manufacturing, education, and health care sectors. He has worked extensively with large databases spanning most health care settings. Much of this experience is directly related to the monitoring and evaluation of QIO projects to improve patient care. Dr. Massing received his MD from Duke University School of Medicine. He subsequently entered the UNC Gillings School of Global Public Health as a National Heart, Lung, and Blood Institute cardiovascular disease epidemiology post-doctoral fellow. He received his PhD in Epidemiology with a focus on social determinants of cardiovascular disease from the UNC Gillings School of Global Public Health. His undergraduate training includes a BS in Information Systems from Florida Atlantic University.

Landen Bain works with CDISC, a global medical research standards development organization, as liaison to the healthcare information community to develop and implement data exchange standards between healthcare and medical research. Mr. Bain focuses his efforts on realizing improved interoperability today, with the immediate demonstration and implementation of existing standards. An example is a cooperative effort Bain leads between CDISC and Integrating the Healthcare Enterprise (IHE) to enable data capture for clinical research from within Electronic Health Record (EHR) systems, using an IHE integration profile called Retrieve Form for Data-capture (RFD). This work brings together for the first time biopharmaceutical, EHR and research technology companies to develop interoperable solutions. The work has been demonstrated at six HIMSS Interoperability Showcases, and continues today with the creation of a number of real world studies in live research sites.

Mr. Bain served as co-chair of the HITSP Clinical Research Tiger Team and the CCHIT Strategic Lead for Clinical Research Workgroup. Both of these efforts move the use of EHRs for clinical research into the mainstream of the healthcare and clinical research industries. Mr. Bain is currently working on integration profiles for automating business processes between research and healthcare (Retrieve Process for Execution) and on methods for capturing and respecting the privacy preferences of subjects (Redaction Services).

Mr. Bain served for over 20 years as Chief Information Officer of two large academic medical centers: Duke University Health System in Durham, North Carolina and Ohio State University Hospitals in Columbus, Ohio. Mr. Bain was recognized by the HL7 Board as an 'HL7 Pioneer' in 1991 for his work as an early adopter of HL7 while at Ohio State University. He is a charter member of the College of Healthcare Information Executives.

Alan Silver, MD, MPH is a medical director at IPRO, a New York-based non-profit health care assessment and quality-improvement company. He received his undergraduate, master's degree and general preventive medicine residency training at the University of Michigan, and his medical degree and internal medicine residency training at Wayne State University. In 1980, Dr. Silver helped found a general internal medicine group practice at Mount Sinai Medical Center in New York and was later a medical director in quality management at the North Shore-Long Island Jewish Health System. As a medical director at IPRO he has been involved with the CMS Quality Improvement Organization Health Care Quality Improvement Program since its inception. Much of his current work centers on the integration of health information technology into primary care practices focusing on clinical performance and patient-centered-medical-home care delivery.