PRESENTER BIOGRAPHICAL SKETCHES
Certification Hearing
May 7, 2014

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Panel 1: Providers/HIE Organizations

Ginny Lorenzi, NewYork-Presbyterian Hospital
Chad Jensen, LaTouche Pediatrics, LLC
John Berneike, Utah HealthCare Institute
Colin Banas, Virginia Commonwealth University Health System
Howard Hays, Indian Health Service
Cletis Earle, CHIME

Virginia Lorenzi has worked in health information technology for over 24 years with vendor, consultant and provider experience. She has been part of the NewYork-Presbyterian Hospital IS department since 1994. She has been active in systems implementation at NYP and is passionate about the challenges of integrating technology with workflow. She specializes in interoperability, HIT Standards, and HIT related regulations and has most recently been involved in the hospital's Meaningful Use compliance work. She has participated in federal efforts in HIT standards adoption including co-chairing the HITSP ECO Webinar workgroup and has been called to Washington on several occasions to testify on topics related to HIT Standards. As a faculty member of the Department of Biomedical Informatics, she teaches applied clinical information systems, standards, and directs the HIT certification program. She has long term experience in the HL7 community and celebrated her 20th year in January. She teaches nationally and internationally for HL7 and is the recipient of the HL7 Volunteer of the Year and HL7 Fellow award. She is active in HIMSS, is CPHIMS certified, and taught a full day workshop in HIT implementation with an MU Stage 2 theme in February. She is an AMIA member, has published numerous posters for the annual symposium including one on Meaningful Use, and serves on the Mid-Atlantic AMIA Education Board.

Chad Jensen, MBA, is a Health IT Fellow with The Office of National Coordinator for Health Information Technology and is the Executive Office Manager for LaTouche Pediatrics, an 18-provider pediatric practice with three locations in Anchorage, Alaska. Mr. Jensen helped LaTouche become the first practice to achieve Meaningful Use under the Medicaid EHR Incentive Program every year since its inception. Since achieving meaningful use, Mr. Jensen has seen LaTouche improve health care quality. Mr. Jensen helped the practice implement multiple clinical quality improvement programs by using the data collected in EHR and as a result, LaTouche's providers are better able to adhere to clinical guidelines and improve health care quality.

Dr. John Berneike is a family physician and Clinical Director at St. Mark's Family Medicine, an independent practice and residency clinic in Salt Lake City, Utah with six faculty and twelve residents. In 2007, Dr. Berneike, who worked in IT before beginning

his medical career, helped the clinic implement an electronic health record (EHR) system. Since implementing an EHR system, the clinic joined the Salt Lake City Beacon Community, a local Beacon project initiative focused on improving patient outcomes for patients with diabetes.

When St. Mark's joined the Salt Lake City Beacon Community, Dr. Berneike and his colleagues recorded baseline clinical measures for their patients with diabetes – including hemoglobin A1C, blood pressure, and cholesterol measures – and established performance targets aimed at improving each measure. After recording the baseline measures, St. Mark's made several changes. The clinic adopted a data analytics tool to scan the EHR system database and generate daily status reports about diabetic patients. These reports include patient lists, which allow St. Mark's to monitor changes in patients' clinical markers. The patient lists also highlight care deficiencies and prompt St. Mark's to provide patients with preventive care reminders, including reminders for routine eye exams and laboratory testing. In addition to patient lists, St. Mark's is using clinical decision support tools to alert providers to patients' preventive care and chronic disease management needs. When a patient with diabetes comes into the clinic with a cold, for example, an EHR-generated alert will remind the provider if the patient has any preventive care or chronic disease management deficiencies.

St. Mark's achieved great success. After a year and a half of participating in the Beacon community, the clinic's new EHR tools helped St. Mark's significantly improve patient outcomes for patients with diabetes and meet all of its Beacon community performance targets. "We significantly improved clinical outcomes for our patients with diabetes. Our next step is using our experience as a springboard to other quality improvement efforts," said Dr. Berneike.

St. Mark's is already building on its work with patients with diabetes and is beginning to use Health IT to improve care for patients with cardiovascular diseases. Dr. Berneike is a member of the core planning team for the local chapter of the Million Hearts initiative, an initiative to prevent 1 million heart attacks and strokes by 2017. The team, which includes members of HealthInsight, the Regional Extension Center for Nevada, New Mexico, and Utah, as well as members of the Utah Department of Health, is working to improve hypertension care in Utah.

Dr. Berneike is driven to promote Health IT and aims to be on the leading edge of initiatives to improve health care quality and efficiency. "A personal goal of mine is to prove to myself and to my community that a small private practice can be a leader in this new era of health care," said Dr. Berneike. To that end, Dr. Berneike presents at Health IT conferences to promote Health IT to providers, participates in EHR user groups, and involves himself in state legislative efforts around Health IT. To promote health information exchange in Utah, Dr. Berneike also serves as Vice-Chair of the Board of Directors and Chair of the Clinician Committee for the Utah Health Information Network, Utah's designated state-wide HIE organization.

Colin Banas, M.D., M.S.H.A., is an Internal Medicine Hospitalist and the Chief Medical Information Officer for VCU Health System in Richmond, VA. He heads the Office of Clinical Transformation, a unique group of clinicians and support staff who drive innovation and optimization into the application of information technology at the point of care. The clinician input architecture focuses on 6 core areas of interest: User experience, Digital Documentation, Electronic Orders, Clinical Decision Support, Clinical Communication and Data Integrity and Analytics.

Having graduated from Eastern Virginia Medical School in Norfolk, VA, Dr. Banas went to work for Virginia Commonwealth University Medical Center in 2002. In 2008, while working as a Hospitalist for the Department of Internal Medicine and as Medical Director for the Department of Care Coordination, Dr. Banas received his Master of Science in Health Administration from Virginia Commonwealth University, Richmond, VA. He regularly leads students in an online course in medical informatics, and testified before the U.S. Senate in 2013 on the topic of Health IT and the Meaningful Use Program.

Dr. Banas has a particular interest in Clinical Decision Support. He is also the former medical director for Utilization Management for VCU Health System. His recent work focuses on demonstrating the benefit of housewide online documentation on core operational and outcome metrics as well as the use of dashboard reporting systems in improving patient outcomes including reductions in mortality.

Howard Hays, MD, MSPH, is a family physician and Commissioned Officer in the US Public Health Service. A 27-year veteran of the Indian Health Service, Dr. Hays has served at IHS and tribal health care facilities in South Dakota, Minnesota, Alaska, and Arizona. Dr. Hays is board certified in Family Medicine and Clinical Informatics, and has many years' experience as a primary care provider and facility medical director and in other roles at a regional and national level in the IHS. Dr. Hays is now the Acting Chief Information Officer and Director of the Office of Information Technology at IHS. As the CIO, he oversees a diverse range of agency functions in health information systems planning, development, and management. Dr. Hays also sees patients part time at the Phoenix Indian Medical Center in Arizona, and as such is a user of the Certified EHR that is produced and supported by the IHS.

Cletis Earle, Vice President and Chief Information Officer at St. Luke's Cornwall Hospital, a 365 bed, two hospital system in Hudson Valley New York, is responsible for the hospital's IT infrastructure, including security and the integration of Electronic Medical Records. He spent much of his career with Brooklyn Queens Health Care, a multi-hospital, 1,000-bed acute-care system, where he served as Vice President, Chief Information Officer and Privacy Officer. He began there 15 years earlier as a support manager and rose to the position of Director and then Vice President of IT. Over his time there, he created a multi-hospital information infrastructure to ensure patient information could be shared seamlessly between sites. In addition to holding a Master's Degree in Information Systems from Strayer University, Cletis is also a member of the College of Healthcare Information Management Executives, the Healthcare Information and Management Systems Society and the Society for Information Management.

Panel 2: Vendors

> *Mickey McGlynn, Siemens*
> *Sasha TerMaat, Epic*
> *Emily Richmond, PracticeFusion*
> *Joseph Geretz, SRSsoft*
> *Sarah Corley, NextGen Healthcare Systems*
> *Marc Probst, Intermountain*
> *John Halamka, Beth Israel Deaconess Medical Center*

Michele McGlynn is the Senior Director, Strategy & Operations for Siemens Medical Solutions, Health Services.

McGlynn is an industry leader representing Siemens in government and industry discussions impacting Health Information Technology and the implications for providers. McGlynn's experience in software development and deployment, her breadth of knowledge of the HIT industry and the implications for IT, her ability to synthesize complex information and her excellent communication skills enable her to identify opportunities and challenges and drive strategies to implement change. She has a successful track record of working collaboratively with a broad set of diverse stakeholders within Siemens and across the industry to define and execute these strategies.

McGlynn developed the accountable care strategy for the Siemens HIT business and now leads efforts to execute the strategy and associated roadmap. This strategy includes support for Health Reform and Accountable Care including the shift to new care models and reimbursement methods in support of patient-centric care. She is an expert in these initiatives and works closely with providers to fully understand their implementations and identify the IT implications. She is responsible for Siemens portfolio strategy and the associated implementation of those strategies. She leads a cross-company effort across many departments within the company, Siemens customers and partners.

McGlynn is the Chairperson for the EHR Association (EHRA) and has had a leadership role since 2008. She is a founding member Accountable Care Community of Practice -- a consortium of healthcare IT leaders that are committed to collaborate on issues of mutual concern for the benefit of providers that are developing an accountable care strategy. McGlynn is active with HIMSS, the eHealth Initiative and other industry stakeholder groups.

McGlynn has over 28 years of healthcare experience holding leadership roles in all key aspects of business strategy, solution design, software development, professional services, sales support, marketing and government affairs for Siemens IT solutions spanning acute, ambulatory and community care.

Sasha TerMaat directs Epic's certification and regulatory programs. As an electronic health records developer based in Verona, Wisconsin, Epic is proud to be one of the first EHR developers to have both ambulatory and inpatient EHRs certified against the 2011 and 2014 ONC criteria. These certified EHRs have supported more than 80,000 eligible professionals and 650 eligible hospitals participating in the Meaningful Use program.

Additionally, Sasha has experience with private certification programs that predated the ONC program and certification requirements in other countries. From July 2011 to the present, Sasha has served as the Chair of the Electronic Health Records Association Meaningful Use Workgroup.

Emily Richmond, MPH, currently serves as Senior Manager, Health Care Quality at Practice Fusion, Inc., the nation's largest cloud-based ambulatory electronic health record (EHR) company headquartered in San Francisco, California. Ms. Richmond's expertise includes public health and health IT policy, quality improvement program development and implementation, and quality measure development. In her role at Practice Fusion, Ms. Richmond manages the organization's quality improvement strategy, including developing and implementing evidence-based quality measures and reporting standards for providers participating in Meaningful Use, PQRS, ACOs, and other federal quality reporting programs. In 2013, Ms. Richmond served as project manager and compliance director for Practice Fusion's 2014 EHR Certification process. Ms. Richmond is a member of the HIMSS Electronic Health Record Association (EHRA) and currently services as the Chair of the Clinician Experience workgroup and Vice-Chair of the Quality Measurement workgroup.

Prior to joining Practice Fusion, Ms. Richmond spent over five years working as a healthcare consultant, primarily collaborating with agencies of the Department of Health and Human Services, including the Agency for Healthcare Research and Quality (AHRQ), the Centers for Medicare and Medicaid Services (CMS), and the Assistant Secretary for Planning and Evaluation (ASPE) doing quality improvement program development, implementation, and evaluation. Prior to her work in health care consulting, Ms. Richmond spent time working as a health policy fellow for Congressman William Lacy Clay and she also completed an Oak Ridge Institute for Science and Education fellowship at the Centers for Disease Control and Prevention.

Ms. Richmond has a Bachelor of Arts degree from Washington University in St. Louis and a Masters of Public Health degree with a focus on health policy from Emory University.

Joseph Geretz is Chief Software Architect at SRSsoft – a company with a proven track record of delivering high-productivity EHR software to specialty physicians. He is responsible for all software development initiatives at SRSsoft, including the ongoing development of SRS EHR, which has been certified for Meaningful Use since 2011. Joseph has over twenty-five years of experience in developing software systems for a

variety of applications, including healthcare, insurance, finance, publishing, and eCommerce.

Joseph is an active member of HIMSS EHRA – the premiere industry association for vendors of healthcare information technology. He is keenly interested in the future direction of healthcare policy and practice and is a frequent participant in discussions between governmental agencies and industry leaders, including EHRA Stakeholder and CEO Roundtable forums. He currently serves as Vice Chair for the EHRA Certification Workgroup.

Sarah Corley is the Chief Medical Officer for NextGen Healthcare Systems, an Electronic Health Record (EHR) vendor. She also practices part time as a primary care Internist in the metropolitan Washington, DC area. She served a four-year term as Governor of the Virginia Chapter of the American College of Physicians (ACP) and a 6 year term on their National Medical Informatics Subcommittee. She served two terms as a Commissioner for the Certification Commission for Healthcare Information Technology. She represents the ACP on the Physicians Electronic Health Record Coalition. She received post-graduate training in Medical Informatics at OHSU. She has used electronic health records for the past 20 years and has spoken extensively on the subject. Her research interest lies in using EHRs to improve quality in medical practices.

Marc Probst is the Chief Information Officer and Vice President at Intermountain Healthcare, an integrated delivery network (IDN) based in Salt Lake City, Utah. Additionally, Marc has been appointed to serve on the Federal Healthcare Information Technology Policy Committee which is assisting in developing HIT Policy for the U.S. Government.

Marc has been involved with Information Technology and Healthcare services for the past 30 years. Prior to Intermountain, Marc was a Partner with two large professional service organizations; Deloitte Consulting and Ernst & Young, serving healthcare provider and payer organizations. Marc has significant interest in the use of information technology to increase patient care quality and lower the costs of care. He is experienced in information technology planning, design, development, deployment and operation as well as policy development for HIT related issues.

Marc serves as a Board Member of several healthcare related organizations including the University of Utah School of Nursing, and the Utah Food Bank.

Marc is a resident of Utah. Prior to living in Utah, Marc and his family have lived in Reston, Virginia and Tampa Florida. Marc is married with 5 children who span in age from 29 years old to 9.

Marc is a graduate of the University of Utah in Finance and an MBA from George Washington University.

John D. Halamka, MD, MS, is a Professor of Medicine at Harvard Medical School, Chief Information Officer of Beth Israel Deaconess Medical Center, Chairman of the New England Healthcare Exchange Network (NEHEN), co-Chair of the national HIT Standards Committee, co-Chair of the Massachusetts HIT Advisory Committee and a practicing Emergency Physician.

As Chief Information Officer of Beth Israel Deaconess Medical Center, he is responsible for all clinical, financial, administrative and academic information technology serving 3000 doctors, 14000 employees and two million patients. As Chairman of NEHEN he oversees clinical and administrative data exchange in Eastern Massachusetts. As co-Chair of the HIT Standards Committee he facilitates the process of electronic standards harmonization among stakeholders nationwide. As co-Chair of the Massachusetts HIT Advisory Committee, he engages the stakeholders of the Commonwealth to guide the development of a statewide health information exchange.

Panel 3: Certification/Accreditation Bodies

Amit Trivedi, ICSA Labs
Kyle Meadors, Drummond Group
Mark Shin, InfoGard

Amit V. Trivedi manages the healthcare vertical at ICSA Labs, an ONC-Authorized Certification Body and NVLAP Accredited HIT Test Laboratory. ICSA Labs' healthcare programs include the Office of the National Coordinator (ONC) HIT testing and certification program supporting Meaningful Use, the IHE USA Certification Program, and mobile application testing. Amit's efforts over the last several years have been focused on advancing interoperability and secure data exchange within health information systems.

Before coming to ICSA Labs, Amit helped launch the first voluntary national EHR certification program at the Certification Commission for Health IT (CCHIT) as their interoperability workgroup lead supporting EHR, HIE and PHR certification efforts, as well as acting as the testing division manager. Prior to that, Amit worked within the Technology Leadership division at the National Alliance for Health IT (NAHIT) convening industry leaders to build awareness and arrive at consensus on pressing challenges such as EHR adoption, patient safety, privacy, health information security and healthcare redesign.

ICSA Labs has the distinction of being one of the only certifying bodies having worked with multiple accredited test labs like CCHIT and SLI Global Solutions. ICSA Labs is an active participant in the healthcare industry promoting the advancement of secure and interoperable HIT, whether it is through participation in standards development initiatives like SI Framework, or convening stakeholders to help develop new and complementary testing and certification programs like the IHE USA certification program.

Kyle Meadors is the Director of EHR Testing with the Drummond Group, an authorized testing and certification body of the ONC. Drummond Group is one of the original ONC-ATCBs who have been a part of the ONC certification program since its inception in 2010. Within the ONC Certification Program, Drummond Group has certified hundreds of EHRs systems spanning the 2011 Edition and 2014 Edition criteria. Mr. Meadors provides the technical leadership in Drummond Group by overseeing the development of the testing materials and training, and he has personally tested over 250 different certified EHR product versions. Mr. Meadors has also been involved in other certification programs within Drummond Group including SAML identifying management and secure Internet exchanges, similar to the current Direct project.

Mark Shin, Chief Operations Officer (COO), has been with InfoGard since 1998. As COO, Mark collaborates with the Executive Management Team and Board of Directors to develop the organization's vision, mission, and strategic priorities. His responsibilities include the day-to-day operation and management of the company; the implementation of the related operational and business plans that fulfill the company's mission and achieve its business objectives; and the internal communication to ensure that all team leaders understand company priorities, departmental roles, and shared accountabilities.

Prior to becoming InfoGard's COO, Mark took on various technical and leadership roles, participating in product and system evaluations within the Federal, Financial, and Healthcare space. He also developed InfoGard's test and evaluation capabilities for the following IT security programs:
- Security Content Automation Protocol (SCAP)
- Postal metering system evaluations for international regulators (Canada Post, Deutsche Post, United Kingdom Royal Mail)
- InfoGard's physical security testing, as part of FIPS 140-2 cryptographic module validation testing
- Electronic Health Record (EHR) testing and certification program under the Office of the National Coordinator for Health IT (ONC)
- Electronic Prescriptions for Controlled Substances (EPCS) testing and certification program under the Drug Enforcement Administration (DEA).

Mark received his B.S. in Computer Engineering from California Polytechnic State University in San Luis Obispo, CA.

Panel 4: Private Sector Representatives

> *Alisa Ray, CCHIT*
> *David Kibbe, DirectTrust*
> *Chris Carr, IHE*
> *Jitin Asnaani, CommonWell*
> *Mariann Yeager, Healtheway*

Alisa Ray, MHSA, as Executive Director, supports the work of CCHIT's Board of Trustees, manages CCHIT's business operations, and develops staff and resources to allow CCHIT to provide high quality services and programs to the HIT industry's stakeholders. She executed a three-year $7.5M federal contract to develop the first EHR certification criteria and inspection process and oversaw the launch of the CCHIT Certified® EHR certification programs. Ms. Ray led CCHIT's attainment of both ANSI and NIST accreditation, and ONC-authorized Testing and Certification Body status.

Previously she was Assistant VP of Certification and Information Products at the National Committee for Quality Assurance (NCQA), where she guided the development and launch of the HEDIS Software Certification Program and the HEDIS Compliance Audit™. As a Senior Research Associate at the American Association of Health Plans, she managed initiatives in outcomes research, quality improvement and clinical performance measurement. At Medstat, she held product development, marketing and client consulting roles.

Ms. Ray received her Master's in Health Services Administration from the University of Michigan, School of Public Health and a BS in Psychology from the University of Michigan.

David C. Kibbe, MD MBA, is known as an innovator and independent thought leader in the field of health IT in the United States. A co-developer of the ASTM Continuity of Care Record standard, CCR, and one of the developers of the Direct standard, he is an experienced clinician who practiced medicine in private and academic settings for more than 15 years before starting his first IT company. Dr. Kibbe has taught informatics at the School of Public Health, University of North Carolina at Chapel Hill, and founded three health care IT companies.

Dr. Kibbe is currently serving as founding President and CEO of DirectTrust, an independent non-profit trade association created by and for participants in the Direct community, with the common goal to establish and maintain a national Security and Trust Framework in support of Direct exchange.   DirectTrust is the recipient of a Cooperative Agreement grant from ONC/HHS as part of the Exemplar HIE Governance Entity Program, the purpose of which is to advance DirectTrust's role as a private sector security and trust accreditation body for Direct exchange implementers, in partnership with the government.

From 2002 until 2006, Dr. Kibbe was the founding Director of the Center for Health Information Technology for the American Academy of Family Physicians (AAFP). He remains affiliated with the AAFP as a Senior Advisor.

Dr. Kibbe received his BA from Harvard University, MD from Case-Western Reserve University School of Medicine, and his MBA from the University of Texas at Austin.

Christopher Carr is Director of Informatics at the Radiological Society of North America (RSNA) and has more than 15 years of experience at RSNA directing projects that advance the use of information technology in healthcare and medical imaging. As RSNA's staff liaison to the Integrating the Healthcare Enterprise (IHE) initiative, Mr. Carr has helped organize domain experts and industry leaders to improve the interoperability of healthcare information systems and promote sharing of medical information to enhance patient care. IHE has grown into a worldwide effort encompassing more than 650 member organizations, which develops and publishes the IHE technical frameworks, specifications for the use of established standards to address critical interoperability issues in health IT. He has been the RSNA staff lead for support of the IHE North America Connectathon, the largest interoperability testing event in the health IT industry, and has overseen development of an extensive set of test processes and testing tools to support this activity. Recently, Mr. Carr has been part of the team that oversees a pilot program in certification testing launched by IHE USA in 2012. He is currently engaged in developing a conformity assessment schema to guide and coordinate IHE certification programs internationally.

Mr. Carr is also the program manager for RSNA on a contract to develop an Internet-Based Network for Patient-Controlled Medical Image Sharing funded by the National Institute for Biomedical Imaging and Bioengineering (NIBIB). This multi-year project has established a network to exchange medical images among major medical centers using personal health record (PHR) systems.

Mr. Carr has been the staff project leader in organizing a multi-specialty network of expert volunteers to develop the RadLex radiology lexicon. RadLex is used to organize and index medical images and information for education, research, decision support and diagnostic reporting. Portions of this development work were funded by grants and contracts from NIBIB and the National Cancer Institute.

Mr. Carr works closely with the RSNA Radiology Informatics Committee, a group of leading experts in the field and speaks and writes frequently on interoperability and other informatics issues.

Jitin Asnaani is on a mission to commoditize interoperability. He pursues this mission through his role as Director of Technology Standards and Policy at athenahealth, where he drives and advocates for the adoption and usage of open standards through collaborative interoperability initiatives. In particular, he is an active member of the CommonWell Health Alliance, and sits on the Operating and Membership Committees.

Previously at athenahealth, Jitin was Director of Product Management, focused on building the company's interoperability platform and population health services. Prior to athenahealth, Jitin worked at the Office of the National Coordinator for Health IT (ONC), where he lead the S&I Framework, the Direct Project, and other national initiatives for health information exchange. Jitin has a Bachelor's degree in Computer Science & Engineering from MIT and an MBA from Harvard Business School.

Mariann Yeager serves as Executive Director for Healtheway, Inc., a public-private collaborative leading efforts to advance secure, nationwide and interoperable exchange of health information, and operationally supporting the eHealth Exchange. She has more than 20 years of experience in the health information technology field. Prior to Healtheway, Ms. Yeager worked for 5 years on ONC nationwide health information network initiatives and also helped launch and run the country's first EHR certification program in 2006.