

DAVID CHARLES KAELBER, MD, PhD, MPH, MS

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DEGREES

- **MPH** - 2008. Harvard School of Public Health, Boston MA. Clinical Effectiveness Concentration. GPA 3.7/4.0.
- **MD** - 2000. Case Western Reserve University (CWRU), Cleveland OH. Robert Wood Johnson Foundation Generalist Physician Initiative Primary Care Track.
- **PhD** (Biomedical Engineering) - 1999. CWRU, Cleveland OH. Dissertation: *Clinical Implementation of Electrocardiographic Imaging (ECGI): Design, Development, and Verification of a Person-Specific Electrocardiographic Imaging System.*
- **MS** (Biomedical Engineering) - 1994. CWRU, Cleveland OH. Thesis: *Feasibility of and Progress towards Clinical Implementation of Electrocardiographic Imaging.* GPA 3.4/4.0.
- **BSE** (Electrical Engineering and Biomedical Engineering. Science, Technology, and Human Values Program Certificate) - 1991. Duke University, Durham NC. GPA 3.4/4.0, *Cum Laude*. Graduation with Distinction, Senior Project: *Development and Utilization of Image Simulation Programs in Phased Array Ultrasonic Imaging.*

POSITIONS

- 2015- Professor. Case Western Reserve University (CWRU). Cleveland OH. Primary appointment in the Department of Internal Medicine. Secondary appointments in the Departments of Pediatrics and Epidemiology and Biostatistics. 20% patient care (17% outpatient/3% inpatient), 30% research, 50% administrative (Vice-President of Health Informatics and Chief Medical Informatics Officer).
- 2014- Chief Medical Informatics Officer (CMIO) and Vice-President of Health Informatics (~45 employees; ~\$5 million annual operating budget). The MetroHealth System. Cleveland OH. Development and implementation of all MetroHealth System patient engagement activities added to scope of activities. All staff reorganized into the Center for Health Informatics and Patient Engagement. Lead healthcare system to Healthcare Information and Management Systems Society (HIMSS) in Davies Enterprise Award recognition. 1st safety-net/public healthcare system in the United States with Epic electronic health record (EHR) (2nd with any EHR) to receive HIMSS Davies Enterprise Award. Over \$75 million in increased revenue/incentives or decreased expenses/penalties through informatics efforts.
- 2012-2014 Chief Medical Informatics Officer (CMIO) position expanded to include oversight of Clinical Engineering (~40 employees; ~\$4 million annual operating budget). The MetroHealth System. Cleveland OH. Also leading MetroHealth System-wide personal health record, health information exchange, and meaningful use efforts. Training team moved to informatics team. Over \$50 million in increased revenue/incentives or decreased expenses/penalties through informatics efforts. Lead healthcare system to Healthcare Information and Management Systems Society (HIMSS) Electronic Medical Record Adopt Model (EMRAM) Stage 7 Hospital and Stage 7 Ambulatory and Davies Enterprise Award recognition. 1st safety-net/public healthcare system in the United States to achieve HIMSS EMRAM Stage 6 in both the ambulatory and hospital settings (2013). 1st safety-net/public healthcare system in the United States with Epic electronic health record (EHR) (2nd with any EHR) to achieve Stage 7 HIMSS ambulatory and hospital EMRAM recognition (2014). 1st safety-net/public healthcare system in the United States with Epic electronic health record (EHR) (2nd with any EHR) to receive HIMSS Davies Enterprise Award.

- 2011-2015 Secondary Appointment as Associate Professor in the Department of Epidemiology and Biostatistics. CWRU. Cleveland OH.
- 2011-2013 Co-Director – Institute of Health Informatics and Clinical Effectiveness Research. CWRU. Cleveland OH.
- 2011-2015 Associate Professor. CWRU. Cleveland OH. Departments of Internal Medicine and Pediatrics. 20% patient care (15% outpatient/5% inpatient), 20% research, 60% administrative (Chief Medical Informatics Officer).
- 2011- Founding Director – Center for Clinical Informatics Research and Education (CCIRE). The MetroHealth System. CWRU. Cleveland OH. Created CCIRE to further clinical informatics research and education efforts in the MetroHealth System, including external funding for research programs and educations programs for medical students and resident physician, in addition to a 2-year fellowship program. Over \$2 million in external funding through approximately 20 grants.
- 2009- Affiliated Faculty. The Case Center for Reducing Health Disparities. CWRU. The MetroHealth System. Cleveland OH. Participate in clinical research activities.
- 2009- Senior Scholar. The Center for Healthcare Research and Policy. CWRU. The MetroHealth System. Cleveland OH. Participate in clinical research activities. Lead Clinical Informatics Research Group.
- 2009-2011 Assistant Professor – Internal Medicine and Pediatrics. The MetroHealth System. Departments of Internal Medicine, Pediatrics, and Information Services. CWRU. Cleveland OH. 30% patient care (20% outpatient/10% inpatient), 50% administrative (Chief Medical Informatics Officer), 20% teaching and research.
- 2008-2012 Chief Medical Informatics Officer (CMIO). The MetroHealth System. Cleveland OH. As the first CMIO of the MetroHealth System, serve as the lead physician for all medical informatics issues throughout the MetroHealth System, including all issues related to outpatient, inpatient, and emergency department electronic health record systems (Epic). Helped to lead implementation of inpatient electronic health record. Assisted with Information Services redesign. Created, developed, and lead Clinical Informatics (including Nursing Informatics) team within Information Services. Helped coordinate informatics tools for clinical research, and quality and safety assessment and improvement. Served as primary medical informatics contact between the MetroHealth System and Case Western Reserve University's Clinical and Translational Science Award (CTSA). Lean methodology and leadership and management training. Supervise team of 17 clinicians and \$500,000 annual budget.
- 2008-2011 Research Director and Assistant Residency Program Director. Center for Internal Medicine and Pediatrics. CWRU. The MetroHealth System. Cleveland OH. Assisted with the overall function of a 24 Med-Peds resident residency program. Coordinated research and other scholarly activity within the Center for Internal Medicine and Pediatrics for residents (24) and faculty (18).
- 2008 Senior Instructor – Internal Medicine and Pediatrics. The MetroHealth System. Departments of Internal Medicine, Pediatrics, and Information Services. Case Western Reserve University. Cleveland OH. 30% patient care (20% outpatient/10% inpatient), 50% administrative, 20% teaching and research.
- 2007-2008 Assistant Residency Program Director – Massachusetts General Med-Peds Program. Assisted in a variety of administrative and mentoring roles with Massachusetts General Hospital Med-Peds residents, focusing especially on resident scholarly activities and professional organization involvement. Coordinated city-wide Med-Peds Journal Club and Harvard Med-Peds Medical Student Interest Group. Helped coordinate Boston-wide resident mentoring initiative.

- 2006-2008 Attending Physician – Internal Medicine and Pediatrics (Med-Peds). Harvard University. Boston MA. Conducted a range of outpatient and inpatient clinical activities at Brigham and Women’s Hospital, Boston Children’s Hospital, and Massachusetts General Hospital. Supervised medical students, residents, and fellows in varying capacities through these clinical venues. Taught Patient-Doctor I.
- 2006-2008 Adjunct Physician – Internal Medicine and Pediatrics (Med-Peds). The MetroHealth System. Senior Instructor. Department of Internal Medicine and Pediatrics. CWRU. Cleveland OH. As an Adjunct Physician and Senior Instructor, continued to be involved in a number of research project and activities with Case Western Reserve University medical students, Med-Peds residents, and faculty. Advisor to medical students in 4-month research rotation. Also developed and taught Medical Informatics course to all 1st year Case Western Reserve University medical school students.
- 2006-2007 Assistant Residency Program Director – Harvard Associated Med-Peds Programs. Assisted in a variety of administrative and mentoring roles with Harvard Med-Peds residents, focusing especially on resident scholarly activities and professional organization involvement. Initiated Boston city-wide Med-Peds Journal Club and Harvard Med-Peds Medical Student Interest Group.
- 2005-2008 National Library of Medicine Medical Informatics Fellow. Center for Information Technology Leadership. Partners Healthcare. Harvard Medical School. Boston MA. On a part-time basis for the first year and then full-time, worked on a variety of medical informatics projects focusing on clinical informatics, specifically telehealth, interoperability, personal health records, clinical decision support and medical education. Course work included Clinical Effectiveness Program. Participated in electronic medical record Physician Users’ Group and Information Services Research Council.
- 2005-2006 Scholars Collaboration in Teaching and Learning (Faculty). CWRU. Cleveland OH. 1 of 9 faculty members in the School of Medicine to participate in unique small group student-faculty medical education program. Led design of medical informatics curriculum for medical school students.
- 2005-2006 Founding Medical Director – Pediatric Nutrition, Exercise, and Wellness (NEW) Lifestyles Program. Department of Pediatrics. CWRU. The MetroHealth System. Cleveland OH. Developed and implemented obesity referral clinic for pediatric patients. Designed clinic to optimize and study use of electronic medical records for referral clinics.
- 2005-2006 Assistant Residency Program Director – Internal Medicine and Pediatrics. Department of Internal Medicine and Pediatrics. CWRU. The MetroHealth System. Cleveland OH. Assisted with the overall function of a 24 Med-Peds resident residency program. Coordinated research and other scholarly activity within the Internal Medicine and Pediatrics Residency Program.
- 2005-2006 Attending Physician – Internal Medicine and Pediatrics (Med-Peds). Department of Pediatrics. The MetroHealth System. Senior Instructor. Departments of Internal Medicine and Department of Pediatrics. CWRU. Cleveland OH. 60% patient care (30% outpatient/30% inpatient), 25% administrative, 15% teaching and research. Taught Physical Diagnosis II, and III (~100 contact hours), Fundamentals of Medical Decision Making (~10 contact hours), and the Science of Clinical Practice (~75 contact hours). Participated in Rotating Approach to Medicine Program (~30 contact hours) and Inpatient Teaching Attending Program (~30 contact hours) and Community Patient Care Precetorship Program (~128 contact hours). Created and coordinated hospital-wide EPIC Physician Users’ Group. Redesigned and coordinated Pediatric Community Experience Rotation. Coordinated Pediatric Personal Digital Assistant (PDA) Program.
- 2004-2005 Chief Resident - Internal Medicine and Pediatrics (Med-Peds). Department of Internal Medicine and Pediatrics. The MetroHealth System. Senior Instructor. Department of Internal Medicine. CWRU. Cleveland OH. 35% teaching (15% medical student/20% residents), 35% patient care (15% outpatient/20% inpatient) (~\$275,000 in billings), 30% administrative. Taught Physical Diagnosis I, II, and III (~100 contact hours); Pediatric Physical Diagnosis (~10 contact hours); Core Physician

- Development Program I and II (~40 contact hours); and Fundamentals of Medical Decision Making (~10 contact hours). Coordinated and led over 150 lectures, morning reports, Chairman's rounds, morbidity and mortality conferences, board review sessions for residents and teaching sessions for medical school students. Served as a night attending in the Department of Pediatrics. Coordinated city-wide Med-Peds Journal Club. Coordinated Pediatric Personal Digital Assistant (PDA) Program.
- 2003-2004 Scholars Collaboration in Teaching and Learning (Faculty). CWRU. Cleveland OH. Sole resident physician selected to participate in unique small group student-faculty medical education program. Designed on-line interactive clinical case curriculum for internal medicine 3rd-year clinical clerkships.
- October 2003 National Library of Medicine Medical Informatics Course Fellow - Marine Biological Laboratory, Woods Hole MA. One-week course sponsored by the National Library of Medicine. Certificate.
- 2000-2004 Resident Physician - Internal Medicine and Pediatrics (Med-Peds) Residency. Department of Internal Medicine and Pediatrics. CWRU. The MetroHealth System, Cleveland OH. Responsible for care of adult and pediatric patients in outpatient, inpatient, and intensive care unit settings. Conducted research projects in cardiology, pulmonology, public health, outcomes research, quality improvement, and computers in medicine. Coordinated Pediatric Personal Digital Assistant (PDA) initiative for the Department of Pediatrics. Presented *Personal Digital Assistant Lecture Series, Introduction to Professional Societies, The 4 Ps of Professionalism, Teaching How to Teach, and Medical Informatics 101 for the Clinician* Grand Rounds.
- 1991-1999 Research Fellow. Department of Biomedical Engineering. CWRU, Cleveland OH. Conducted basic science and clinical biomedical engineering research on the inverse problem in electrocardiography (noninvasive reconstruction of epicardial electrical activity from body surface potentials). Designed and developed first *in vivo* imaging system using this diagnostic imaging modality (2 cm epicardial resolution). Research led to spin-off CardioInsight company with patented and FDA cleared electrocardiographic mapping ECVUE system, which was acquired by Medtronic for \$93 million in 2015. Additional responsibilities included computer system administration, supervision of graduate and undergraduate students, and Institutional Review Board (IRB) proposals for human investigation.
- 1990-1991 National Science Foundation Engineering Research Center Fellow. Department of Biomedical Engineering. Duke University, Durham NC. Conducted research on phased array, real-time, high-resolution ultrasonic imaging systems to optimal design for breast imaging system.
- 1989, 1991 (Summers) Commissioned Officer Student Training and Extern Program (COSTEP) Intern. Food and Drug Administration, Rockville MD. As an Ensign in the United States Public Health Service, Commissioned Corps, responsible for coordinating and expanding ongoing projects including: 1) the compilation and analysis of complications in vascular access devices for hemodialysis, 2) the development of a dBASE III program to examine anesthesia pre-use checklist study field data, 3) the evaluation of automatic x-ray film processing systems, and 4) the determination of x-ray organ dose exposure in upper gastrointestinal fluoroscopy examinations. Project reports: *An Analysis of the Problems Associated with Devices Used for Vascular Access in Hemodialysis Patients* and *Determining X-ray Organ Dose Exposure in the Upper Gastrointestinal Fluoroscopy Examination*.
- 1987, 1988 (Summers) Research Aide. Department of Anatomy. Uniformed Services University of the Health Sciences, F. Edward Hébert School of Medicine, Bethesda MD. Designed and carried out experiments to analyze cytoskeletal proteins and cellular transformations of *Physarum polycephalum* amoebae. Developed BASIC computer program to assimilate experimental data. Project report: *Amoeboflagellate Transformations in Physarum*.

LICENSURE/CERTIFICATION

- Diplomat, American Board of Preventive Medicine, Clinical Informatics (#070095)
(Certified 01/01/2014, Certificate valid through 12/31/2024)
- Diplomat, American Board of Pediatrics (#659050)
(Certified 01/01/2005, Certificate valid through 12/31/2017)
- Diplomat, American Board of Internal Medicine (#228954)
(Certified 08/24/2004, Certificate valid through 12/31/2014)
- Massachusetts Medical License (permanent) (#227185) – initially obtained 2006; inactive
- Ohio Medical License (permanent) (#35.082458) - initially obtained 2003; active
- National Provider Identifier (1083657365)
- Drug Enforcement Administration (DEA) Certificate
- Information Technology Information Library Foundation Certificate
- Basic Cardiac Life Support (BLS)
- Engineer-In-Training (EIT)
- Tympanocentesis

PROFESSIONAL MEMBERSHIPS

- American Academy of Pediatrics (AAP)
- American College of Physicians (ACP)
- American College of Medical Informatics (ACMI)
- American Medical Informatics Association (AMIA)
- Association of Medical Directors of Information Systems (AMDIS)
- Healthcare Information and Management System Society (HIMSS)
- National Med-Peds Residents' Association (NMPRA)

HONORS AND AWARDS

- Fellow of the American College of Medical Informatics (2016)
- *Health Data Management* Top 30 leading CMIO experts in healthcare (2016)
- Government Technology Research Alliance and HealthTech Research Advisory and Council Executive Technology Award (2014)
- Notable Contribution to the Clinical Research Informatics Literature in 2012 (for Kaelber DC, et al. *Patient Characteristics associated with Venous Thromboembolic Events (VTEs) - A Cohort Study using Pooled Electronic Health Record (EHR) data*. JAMIA; 19(6):965-72) (2013)
- *Crain's Cleveland Business* – *Who to Watch : Health Care* (2013)
- *Modern Healthcare* Top 25 Clinical Informaticists (2012)
- American Academy of Pediatrics Committee of Clinical Information Technology Best Poster Award (2012)
- Association of Medical Directors of Information Systems (AMDIS) Individual Award (2011)
- Association of Medical Directors of Information Systems (AMDIS) Institutional Award (The MetroHealth System) (2011)
- Epic Corporation SAGE (2011)
- Fellow of the American College of Physicians (Invited Fellow) (2010)
- *Contemporary Pediatrics* Top 10 Best Pediatric Articles (for Kaelber DC, et al. *A Simplified Table to Identify Children and Adolescents Needing Further Evaluation of Blood Pressure*. Pediatrics. 2009;123(5):1344-1351) (2009)
- *Ladies' Home Journal* Health Breakthrough Award (for Hansen ML, et al. *JAMA*. 2007;298(8):874-9) (2008)
- Distinguished Paper Award from the American Medical Informatics Association (for Vincent A, et al. *A Patient-Centric Taxonomy for Personal Health Records (PHRs)*. American Medical Informatics Association Annual Symposium Proceedings. 2008 Nov 6:763-7. PMID:18998912) (2008)
- The John J W Fangman Award (outstanding Med-Peds mentorship) (2008)
- Massachusetts Medical Society's Committee on Information Technology Student and Resident Information Technology Award (2008)
- Healthcare Information and Management Systems Society Dvora Brodie Scholarship (2008)
- American Heart Association Top Ten Research Advances in Stroke and Cardiovascular Medicine (2007)
- American Academy of Pediatrics Committee of Clinical Information Technology Best Paper Award (2007)
- Ruth L Kirschstein National Research Service Award (National Research Services Award) (2007)
- Excellence in Mentorship, Commitment and Outstanding Leadership Award (MetroHealth) (2006)
- Fellow of the American Academy of Pediatrics (2006)
- Scholars in Teaching Award (CWRU) (2005)
- Rajiv M. Reddy M.D. Academic Achievement Award (The MetroHealth System) (2004)
- Pfizer Scholar in Internal Medicine (The MetroHealth System) (2004)
- Senior Resident Teaching Award (The MetroHealth System - Department of Pediatrics) (2004)
- Pediatric Research Award (First Place) (The MetroHealth System) (2004)
- MetroHealth Research Day (First Place) (The MetroHealth System) (2004)
- Alpha Omega Alpha (AOA) (CWRU) (2004)
- Scholars in Teaching Award (CWRU) (2003)
- Special Recognition for Outstanding Service and Dedication to Residents 2001-2003 (The MetroHealth System) (2003)
- Gary Onady MD, PhD Award (outstanding Med-Peds Resident at the national or region level) (NMPRA) (2002)
- Pediatric Leadership Alliance (American Academy of Pediatrics Young Leaders) (2002)
- The Paul W Ambrose Resident Physician Leadership Symposium (2002)
- Pediatric Leadership Award (The MetroHealth System - Department of Pediatrics) (2001)
- Peter Adam Scientific Achievement Award (CWRU) (2001)
- Primary Care Prize (graduating medical school student to best exemplify Primary Care principles) (CWRU) (2000)
- Health Policy Prize (outstanding fourth year medical student Health Policy research project) (CWRU) (2000)
- Dean's Honorable Mention - Irwin H. Lepow Student Research Day (CWRU) (1998)
- United Protestant Campus Ministries (UPCaM) Hall of Fame (1998)
- Biomedical Engineering Research Day Oral Presentation Honorable Mention (second place) (CWRU) (1994)

- Lester Goodman Memorial Award (outstanding leadership in biomedical engineering and volunteer efforts, first recipient) (CWRU) (1993)
- Alpha Phi Omega (Theta Upsilon Chapter) Distinguished Service Key (CWRU) (1993)
- National Institutes of Health (NIH) Training Grant (CWRU) (1991)
- Alpha Phi Omega (Lambda Nu Chapter) Senior of the Year (Duke University) (1991)
- Order of St. Patrick (Duke School of Engineering exemplary leadership) (Duke University) (1991)
- Lars Larson Volunteer Service Award (Duke University) (1991)
- National Science Foundation/Engineering Research Center Fellowship (Duke University) (1990)
- Golden Key National Honor Society (Duke University) (1989)
- Public Health Service Citation (United States Public Health Service) (1989)
- Military Science Academic Excellence Award Level I and Level II (Duke University) (1988+1989)
- Dean's List (Duke University) (1988-1991)
- City of Rockville Scholarship (1987)

PROFESSIONAL ACTIVITIES

Advisory Panels/Boards

American Academy of Pediatrics subcommittee on the evaluation and management of high blood pressure in childhood (2014-)
CareEverywhere Governing Council (Epic Corporation) (2014-)
Centers for Medicare and Medicaid/Yale New Haven Health Services Corporation/Center for Outcomes Research and Evaluation Electronic Data Model Technical Advisory Panel (2013)
Cosmos Research Data Governance Committee (Epic Corporation) (2013-)
Department of Health and Human Services/Urban Institute Electronic Health Record Technical Advisory Panel (2013)
Hyland/On-Base Physician Advisory Committee (2015-)
State of Ohio e-Prescribing Task Force (2012)
United States Preventative Services Task Force (USPSTF) Screening for Hypertension in Children and Adolescents Review Panel (2011)
Wolters-Kluwer UpToDate Customer Advisory Board (2013-2015)

Peer Reviewer

Academic Pediatrics (2010-)
American Journal of Cardiovascular Drugs (2010-)
American Journal of Hypertension (2008-)
American Journal of Managed Care (2010-)
Annals of Internal Medicine (2009-) (**Rated in the top 10% of reviewers in terms of review quality**)
Applied Clinical Information (2013-)
Archives of Internal Medicine (2010-)
Archives of Pediatrics and Adolescent Medicine (2007-)
BMC Health Services Research (2014-)
BMC Medical Informatics & Decision Making (2014-)
European Journal of Pediatrics (2012-)
Generating Evidence and Methods to improve clinical outcomes (eGEMS) (2014-)
Health Affairs (2012-)
Informatics for Health and Social Care (2010-)
International Journal of Health Technology and Management (2012-)
International Journal of Medical Informatics (2007-)
International Journal of Public Health (2010-)
Italian Journal of Pediatrics (2012-)
Journal of the American Medical Association (2008-)
Journal of Clinical Informatics (2009-)
Journal of Evaluation of Clinical Practice (2014-)
Journal of Healthcare Engineering (2010-)
Journal of Medical Internet Research (2009-)
Journal of Pediatrics Nephrology (2013-)
Medical Decision Making (2006-)
Pediatrics (2008-)
Pediatric Nephrology (2009-)
Pediatric On-Call (2013-)
Public Library of Science (PLOS) One (2013-)
Quality Management in Health Care (2008-)

American Academy of Pediatrics

Council on Clinical Information Technology
Nominating Committee (2014-)
Internal Medicine-Pediatrics Section

Clinical Case Presentation Abstract Founder and Chair (2007-2012)
Executive Committee (2005-2011)
Medical Student, Resident, Fellow, and Young Physician Committee Co-Chair (2005-2011)
Nominating Committee (2002-2003)

Resident Section

Clinical Case Presentation Abstract Founder and Chair (2003-2005)
District V Coordinator (2001-2004)
Assistant District V Coordinator (2000-2001)
Program Delegate (2000-2004)

American Medical Association eMedicine Advisory Committee (invited guest) (2005-2007)

American Medical Informatics Association

Board of Directors (2010-2012)
Clinical Informatics Subspecialty Board Exam Preparation Program Item Writing Committee (2012-2014)
Journal of the American Medical Informatics Association Editorial Board
Student Associate Editor (2007)
Student Member (2005-2008)

Primary Care Working Group

Pediatric Representative (2013-)
Scientific Program Committee 2011 AMIA Annual Symposium (2010-2011)
Scientific Program Reviewer (2008-)
Student Working Group
Chair (2009)
Chair-Elect (2008)
Past Chair (2010)
Resident/Fellow Representative (2005-2007)

Better Health Partnership (2010-)

Clinical Advisory Committee (2011-)
Information Management Committee (2010-)

Case Western Reserve University School of Medicine

Block 1 Committee (2005-2012)
Faculty Senate Representative-At-Large (2009-2011)
Faculty Senate Library Committee (2009-2012)
Mount Sinai Skills and Simulation Center Committee (2005-2006)
Clinical Curricular Reform Committee (2005)
Clinical and Translational Science Center (CTSC) Child Health Advisory Board (2014-)

KLAS Reviewer (healthcare information technology reviews) (2009-)

Healthcare Information and Management Systems Society (HIMSS)

Davies Award Committee (2016-)
Electronic Medical Record Adoption Model (EMRAM) Stage 7 Site Reviewer (2015-)
Northern Ohio Healthcare Information and Management Systems Society External Advisory Board (2013-)

MetroHealth System

MetroHealth Quality Committee (2010-)
Patient Safety Quality Risk and Safety Council (2010-)
Epic Clinical Informatics Fellowship Director (2009-)
Research Informatics Advisory Committee Founder and Chair (2009-2012)
Brittingham Memorial Library Board of Directors (2003-2006, 2009-)
Graduate Medical Education Committee (2001-2006)

PLUG (PDA Library Users Group) (2001-2006)
Patient Safety and Performance Improvement Coordinating Committee (2004-2005)
Joint Commission on Accreditation of Healthcare Organizations Patient Safety Goals Committee (2002)

MetroHealth Medical System House Officers' Association

President (2003-2005) (Developed \$20,000+ board preparation initiative)
Treasurer (2001-2003) (Developed post-call taxi ride program)
Accreditation Council of Graduate Medical Education Internal Reviewer
Oral Surgery (2004)
Institution (2003)
Interventional Radiology Program (2002)
OB/GYN Program (2001)

National Med-Peds Residents' Association (NMPRA)

Advisor (2004-2016)
Immediate Past President (2003-2004)
President (2002-2003)
Med-Peds Fellowship Guide Founder and Coordinator (2002-)
Treasurer (2001-2002)
Jobs Website Coordinator (2001-2010)
Program Delegate (2000-2004)
NMPRA listserv founder and administrator (2000-2008)
Webmaster (2001-2010)

Partners Healthcare

Information Services Research Council (2006-2008)
Vice-Chair (2007-2008)
Longitudinal Medical Record Users' Group (2006-2008)
Patient Gateway Expert Panel (2007-2008)

GRANTS

Ongoing Research Support

1. 1DP2HD084068-01 R Xu (PI) 09/15/14 - 08/31/19
National Institutes of Health – Director’s New Innovator Award
Rapid reverse translational drug repositioning
Goal: To use electronic health record data and genomic data to identify novel uses for existing drugs.
Role: Co-Investigator (0.05 FTE)

2. KRR0244990A1 P Davis (PI) 09/01/07 - 05/31/17
National Institutes of Health Clinical and Translational Science Award
Cleveland Translational Science Consortium (CTSC)
Goal: To establish a novel and academic home to train leaders for the nation’s multidisciplinary clinical and translational sciences workforce.
Role: Site Principal Investigator, Co-Investigator, and Informatics Lead (0.05 FTE)

3. No grant number T Windhusen (PI) 09/01/14 - 08/31/19
National Institute on Drug Abuse
Ohio Valley Node Clinical Trials Network
Goal: To develop electronic health records as a tool for drug abuse research
Role: Senior Investigator (0.05 FTE)

Completed Research Support

1. R43GM112523-01A1 D Fram (PI) 10/01/14 - 09/30/16
Small Business Innovation Research
Transitioning Electronic Support for Public Health (ESP) from Lab to Marketplace
Goal: To enable the open-source Electronic Support for Public Health software used for automated reporting rich information on cases of notifiable diseases and other conditions of public health interest from data stored in electronic medical records to be widely disseminated.
Role: Key Personnel (0.05 FTE)
2. R40MC24943 M Wasserman (PI) 09/01/12 - 08/31/16
Health Services Research Administration
Primary Care Drug Therapeutics Clinical Effectiveness Research (CER) in a Pediatric EHR Network
Goal: To develop an EHR-based pediatric practice research network of over 1.2 million children to study asthma, behavior issues and hypertension in children and adolescents.
Role: Site Principal Investigator, Co-Principal Investigator (0.05 FTE)
3. 8231691 S Kane (PI) 09/01/13 - 08/31/15
Pfizer Corporation
Utilization of the electronic medical record to evaluate vaginal atrophy in a geriatric primary care population; measuring impact of screening and treatment on quality of life and patient satisfaction
Goal: To use electronic health record and electronic personal health record tools (through Epic and Epic's MyChart) to screen and evaluate management of vaginal atrophy in geriatric primary care patients.
Role: Principal Investigator (0.05 FTE)
4. AHRQ HS020919 J Sudano (PI) 09/01/11 - 07/31/15
Agency for Healthcare Research and Quality
Open Source, Public Domain, Health Risk Assessment for Use in Primary Care
Goal: To develop an open source, web-based and software as a service health risk assessment tool.
Role: Consultant (0.025 FTE)
5. 200-2014-M-60490 R Zambarano (PI) 09/01/14 - 03/31/15
Centers for Disease Control and Prevention
Chlamydia e-measure
Goal: To use standard electronic health records to design and implement a Chlamydia e-measure.
Role: Key Personnel (0.05 FTE)
6. No grant number D Fram (PI) 09/01/14 - 08/30/15
Department of Defense
Cohort Builder
Goal: To build a tool to search electronic health record data to find cohorts of patients of clinical interest (for example, patients on a medication that is being recalled or diabetic patients with significantly abnormal hemoglobin A1C).
Role: Consultant (0.01 FTE)
7. Robert Wood Johnson Foundation 70237 R Cebul (PI) 07/01/12 - 06/30/14
Red Carpet Care for Patients in Greatest Need
Goal: Lower the utilization and improve the quality of care of high resource utilizers in the MetroHealth System.
Role: Co-Investigator (0.05 FTE)

8. No grant number D Kaelber (PI) 02/15/12 - 02/31/13
 Society of Adolescent Health and Medicine
Using Electronic Health Record Technologies to improve Adolescent Vaccination
 Goal: To develop electronic health record based processes to alert providers and patients regarding all adolescent vaccine opportunities.
 Role: Principal Investigator (0.05 FTE) (\$175,000)
9. No grant number D Kaelber (PI) 02/01/13 - 09/15/13
 JBS International
Using Electronic Health Record Technologies to Improve Adult Vaccinations
 Goal: To develop electronic health record based processes to alert providers and adult patients regarding influenza, pneumococcus, diphtheria, tetanus, acellular pertussis, human papilloma virus, and herpes zoster vaccine opportunities.
 Role: Principal Investigator (0.05 FTE) (\$50,000)
10. CDC 2011-N-13526 M Klompas (PI) 09/01/11 - 08/31/13
 Center for Disease Control and Prevention (CDC)
Electronic Support for Public Health - Vaccine Adverse Events Reporting System
 Goal: To develop a computer algorithm to detect vaccine adverse events and report them to the CDC.
 Role: Co-Principal Investigator (0.10 FTE) (\$250,000)
11. Robert Wood Johnson Foundation 68760 R Cebul (PI) 05/01/11 - 04/30/13
 Aligning Forces for Quality
Better Health Greater Cleveland
 Goal: To maintain and expand a regional healthcare quality improvement organization in northeast Ohio.
 Role: Co-Investigator (0.05 FTE)
12. No grant number D Kaelber (PI) 03/01/12 - 12/31/12
 Case Clinical and Translational Science Collaborative
Using Explorys to Track Case CTSC-wide Obesity Rates
 Goal: To develop the search capability in Explorys (www.explorys.com) to search a trusted network of healthcare institutions (Cleveland Clinic, The MetroHealth System, and University Hospitals of Cleveland) and use that capability to study population level obesity rates in children and adults among patients seen at these 3 institutions.
 Role: Principal Investigator (0.05 FTE) (\$25,000)
13. No grant number D Kaelber (PI) 01/01/11 - 12/31/11
 Kaiser Health Plan of Ohio
Diagnosing and Treating Hypertension in Children and Adolescents
 Goal: To develop and implement advanced clinical decision support EHR tools for the diagnosis and management of pediatric hypertension.
 Role: Principal Investigator (0.10 FTE) (\$50,000)
14. No grant number R Cebul (PI) 11/01/10 - 06/30/11
 Ohio Coverage and Quality Council
Quality Council Multi-Payer Enhanced Primary Care Home Initiative
 Goal: To support the development a PCMH and QI 'toolkit' that will help primary care practices build decision support and population management tools and integrate behavioral health measures in their EHRs.
 Role: Co-Investigator (0.05 FTE) (\$200,000)

15. No grant number M Klompas (PI) 05/01/09 - 06/30/10
Centers for Disease Control and Prevention
Electronic Support for Public Health (ESP)
Goal: To develop computer algorithms to detect diseases that require public health report and automatically report disease to the Ohio Department of Health.
Role: Co-Principal Investigator (0.10 FTE) (\$112,000)
14. No grant number D Kaelber (PI) 07/01/08 - 06/30/12
Epic Corporation
Epic Clinical Informatics Fellowship
Goal: To develop first in the United States Epic-based clinical informatics fellowship.
Role: Principle Investigator (0.05 FTE) (\$120,000)
15. No grant number VV Kudriavtsev (PI) 01/01/07 - 12/31/07
New Hampshire Industrial Research Council
Evaluation of Murmurs in Children using System of Quantitative Scores and Heart Energy Signature Method.
Goal: The evaluate heart energy signatures for cardiac murmur detection in children.
Role: Co-Investigator (0.05 FTE) (\$80,000)
16. No grant number D Kaelber (PI) 01/01/07 - 12/31/07
American Academy of Pediatrics (top rated proposal submitted nationally)
Evaluation of Murmurs in Children using Heart Energy Signatures (HES)
Goal: The evaluate heart energy signatures for cardiac murmur detection in children.
Role: Sponsor/Mentor (0.05 FTE) (\$2,000)
18. No grant number D Kaelber (PI) 07/01/04 - 06/30/05
American Academy of Pediatrics – Bright Futures
Training Intervention with Office Staff to Improve Preventative and Developmental Services in Practice
Goal: To assist in the implementation of new *Bright Futures* pediatric primary care guidelines.
Role: Site Coordinator (0.05 FTE) (\$2,000)
19. No grant number D Kaelber (PI) 01/01/02 - 12/31/02
American Academy of Pediatrics – Community Access to Child Health (CATCH) Program
HeadSmart (Model mandatory helmet legislation and certificate program for children and adults).
Goal: To publicize age independent bicycle helmet legislation.
Role: Principal Investigator (0.05 FTE) (\$500)
In 2003 this project was selected as one of 4 outstanding CATCH model projects throughout the country and presented as a model project to the United States Department of Health and Human Services.

PEER REVIEWED PUBLICATIONS

(Names of trainees are underlined)

1. KD Cain, BR Sehgal, KE Convinsky, **DC Kaelber**, and AR Sehgal. *The Clinical Impact of Medical Journals*. Annals of Internal Medicine. 2016 Jun 14. doi: 10.7326/M16-1096. PMID:27294687
2. SM Sutherland, **DC Kaelber**, NL Downing, VV Goel, and CA Longhurst. *Electronic Health Record-Enabled Research in Children Using the Electronic Health Record for Clinical Discovery*. Pediatric Clinics of North America. 2016 Apr;63(2):251-68. PMID:27017033.
3. MJ Mhana, AM Iqbal, **DC Kaelber**. *Hypertension at School Age in Extremely Low Birth Weight Infants*. Journal of Neonatal-Perinatal Medicine. 2016 Jan 4;8(4):363-9. PMID:26836822.
4. AG Fiks, RW Grundmeier, J Steffes, WG Adams, **DC Kaelber**, WD Pace, RC Wasserman, for the Comparative Effectiveness Research through Collaborative Electronic Reporting (CER²) Consortium. *Comparative Effectiveness Research through Collaborative Electronic Reporting (CER²): Advancing Child Health Research*. Pediatrics. 2015. Jul;136(1):e215-24. Epub 2015 Jun 22. PMID:26101357.
5. MA Baker, **DC Kaelber**, DS Bar-Shain, PL Moro, B Zambarano, M Mazza, C Carcia, A Henry, R Platt, and M Klompas. *Advanced Clinical Decision Support for Vaccine Adverse Event Detection and Reporting*. Clinical Infectious Diseases. 2015. Jun 9. Pii: civ430. [Epub ahead of print]. PMID:26060294.
6. DS Bar-Shain, MM Stager, AP Runkle, JB Leon, and **DC Kaelber**. *Direct Messaging to Parents/Guardians to Improve Adolescent Immunizations*. Journal of Adolescent Health. 2015 May;56(5 Suppl):S21-6. PMID 25863550.
7. K Shemisa, **D Kaelber**, SA Parikh, and JA Mackall. *Heart Block in Amyotrophic Lateral Sclerosis: An Autonomic Etiology*. Journal of Medical Care Reports. 2014 Jun 24; 8:224. PMID:24961916.
8. V Patel and **DC Kaelber**. *Using Aggregated, De-Identified Electronic Health Record Data for Multivariate Pharmacosurveillance: A Case Study of Azathioprine*. Journal of Biomedical Informatics (Special Clinical Research Informatics issue). 2013 Oct 28. pii: S1532-0464(13)00161-5. [Epub ahead of print] PMID:24177317.
9. **DC Kaelber**, R Waheed, D Einstadter, TE Love, RD Cebul. *Use and Perceived Value of Health Information Exchange – One Public Healthcare System’s Experience*. American Journal of Managed Care (Special Health Information Technology issue). Am J Manag Care. 2013; 19(10 Spec No. 10):SP337-343. PMID:24511888.
10. M Clark, M Stager, and **DC Kaelber**. *The Relationship of Pre-pubertal BMI Status to Post-pubertal BMI Status: An 8 Year Cohort Study*. J Obes Weight Loss Ther. 2013 3:182.
11. A Friedland, HA Salam, and **DC Kaelber**. *Combined Internal Medicine-Pediatrics Program Directors’ Professional Activities*. Del Med J, May 2013, Vol 85 No 5. 141-144. PMID:23858980.
12. **DC Kaelber**, W Foster, J Gilder, TE Love, and AK Jain. *Patient Characteristics Associated with Venous Thromboembolic Events (VTEs) - A Cohort Study using Pooled Electronic Health Record (EHR) Data*. Journal of the American Medical Informatics Association. 2012 Nov 1; 19(6):965-72. Epub 2012 Jul 3. PMID:22759621. (EDITOR’S CHOICE ARTICLE)
13. NH Patel, S Romero, and **DC Kaelber**. *Evaluation and Management of Pediatric Hypertensive Crises – Hypertensive Urgency and Hypertensive Emergencies*. Open Access Emergency Medicine. 2012(4):85-92.
14. LN Baskaran, PJ Greco, and **DC Kaelber**. *Case Report: Medical Eponyms – An Applied Clinical Informatics Opportunity*. Applied Clinical Informatics. 2012 Sep 19; 3(3):349-55. Print 2012. PMID:23646083.

15. M Ikezuagu, E Yang, A Daghestani, and **DC Kaelber**. *Implementing Black Box Warnings (BBWs) in Health Information Systems: An Organizing Taxonomy Identifying Opportunities and Challenges*. Applied Clinical Informatics. 2012 Mar 21; 3(1):124-34. Print 2012. PMID:23616904.
16. JK Chamberlain, MP Frinter, TA Melgar, **DC Kaelber**, and B Kan. *Correlates and Trends in Training Satisfaction on Completion of Med-Peds Residency - A 5-Year Study*. Journal of Pediatrics. 2012 Apr; 160(4):690-6. Epub 2011 Nov 1. PMID:22048051.
17. AL Fix, **DC Kaelber**, T Melgar, J Chamberlain, W Cull, and BW Robbins. *Graduating Med-Peds Residents' Interest in Part-Time Employment*. Academic Pediatrics. 2011 Sep-Oct; 11(5):369-74. Epub 2011 Jun 2. PMID:21640684.
18. LJ Benson, HJ Baer, and **DC Kaelber**. *Screening for obesity-related complications among obese children and adolescents: 1999-2008*. Obesity (Silver Spring). 2011 May; 19(5):1077-82. Epub 2010 Dec 9. PMID: 21151014.
19. LJ Benson, HJ Baer, PJ Greco, and **DC Kaelber**. *When is family history obtained? - Lack of timely documentation of family history among overweight and hypertensive paediatric patients*. Journal of Paediatrics and Child Health. 2010. Oct; 46(10):600-5. PMID:20626580.
20. K Viswanathan, KB Muzzin, F Pickett, and **D Kaelber**. *Monitoring Pediatric Blood Pressure at Dental Appointments*. Journal of Dentistry for Children. Volume 77, Number 3, September-December 2010, pp. 140-145. PMID:22044466.
21. LJ Benson, RC Cohn, and **DC Kaelber**. *The Association of Continuity of Care on the Diagnosis of Hypertension in Children and Adolescents*. Journal of Child Healthcare. 2009 Dec; 13(4):361-9. PMID:19833670.
22. **DC Kaelber** and FA Pickett. *A Simplified Table to Identify Children and Adolescents Needing Further Evaluation of Blood Pressure*. Pediatrics. 2009 Jun; 123(6):e972-4. Epub 2009 May 4. PMID:19414519.
23. RJ Fortuna, DY Ting, **DC Kaelber**, and SR Simon. *Characteristics of Medicine-Pediatrics Practices: Results from the National Ambulatory Medical Care Survey*. Academic Medicine. 2009 Mar; 84(3):396-401. PMID:19240455.
24. LJ Benson, H Baer, **DC Kaelber**. *Trend in the Diagnosis of Overweight and Obesity in Children and Adolescents: 1999-2007*. Pediatrics. 2009 Jan; 123(1):e153-8. PMID:19117837.
25. **DC Kaelber**, KJ Ashish, D Johnston, B Middleton, and DW Bates. *A Research Agenda for Personal Health Records (PHRs)*. Journal of the American Medical Informatics Association. 2008 Nov-Dec; 15(6):729-36. Epub 2008 Aug 28. PMID:18756002.
26. E Pan, C Cuscak, J Hook, A Vincent, **DC Kaelber**, DW Bates, and B Middleton. *The value of provider-to-provider telehealth*. Telemedicine and E-Health Journal. 2008 Jun; 14(5):446-53. PMID:18578679.
27. CM Cusck, E Pan, JM Hook, A Vincent, **DC Kaelber**, and B Middleton. *The value proposition in the widespread use of telehealth*. Journal of Telemedicine and Telecare. 2008; 14: 167-168. PMID:18534947.
28. **DC Kaelber** and DW Bates. *Health Information Exchange and Patient Safety*. Journal of Biomedical Informatics. 2007 Dec; 40(6 Suppl):S40-5. Epub 2007 Sep 7. Review. PMID:17950041.
29. JK Chamberlain, WL Cull, BD Kan, T Melgar, **DC Kaelber**. *The Effect of Dual Training in Internal Medicine on the Career Path and Job Search Experience of Pediatric Graduates*. Journal of Pediatrics. 2007 Oct; 151(4):419-24. Epub 2007 Aug 23. PMID:17889081.

30. ML Hanson, PW Gunn, and **DC Kaelber**. *Underdiagnosis of Hypertension in Children and Adolescents*. Journal of the American Medical Association. 2007 Aug 22; 298(8):874-9. PMID:17712071.
31. T Melgar, WL Cull, **DC Kaelber**, BD Kan, JK Chamberlain. *Training Experiences of Combined Internal Medicine-Pediatrics Residents*. Academic Medicine. 2006 May; 81(5):440-6. PMID:16639198.
32. R Raina, KC Nandipati, A Agarwal, D Mansour, **DC Kaelber**, CD Zippe. *Combination Therapy: Medicated Urethral System for Erection Enhances Sexual Satisfaction in Sildenafil Citrate Failure Following Nerve-Sparing Radical Prostatectomy*. Journal of Andrology. 2005 Nov-Dec; 26:757-760. PMID:16291971.
33. **DC Kaelber**, SB Bierer, and JR Carter. *A Web-based Clinical Curriculum on the Cardiac Exam*. Academic Medicine. 2001 May; 76(5):448-449. PMID:11346597. (<http://mediswww.cwru.edu/cardiacexam>)
34. JE Burnes, **DC Kaelber**, B Taccardi, RL Lux, PR Ershler and Y Rudy. *A Field-Compatible Method for Interpolating Biopotentials: Development and Evaluation in Electrocardiographic Imaging*. Annals of Biomedical Engineering. 1998 Jan-Feb; 26(1):37-47. PMID:10355549.

BOOK CHAPTERS, REPORTS, THESES, EDITORIALS, AND MAJOR PROCEEDINGS

1. FA Pickett and **DC Kaelber**. *Reducing Kid's Risk of with Blood Pressure Monitoring*. Dimensions of Dental Hygiene. February 2010.
2. **DC Kaelber** and AJ Schuman. *Easier pediatric blood pressure screening*. Contemporary Pediatrics. October 1, 2009.
3. **DC Kaelber**, S Shah, A Vincent, E Pan, JM Hook, D Johnston, DW Bates, and B Middleton. *The Value of Personal Health Records*. Healthcare Information and Management Systems Society. 2008.
4. **DC Kaelber** and EC Pan. *The Value of Personal Health Records (PHR) Systems*. American Medical Informatics Association Annual Symposium Proceedings. 2008 Nov 6:343-7. PMID: 18999276.
5. S Shah S, **DC Kaelber**, A Vincent, EC Pan, D Johnston, and B Middleton. *A Cost Model for Personal Health Records (PHRs)*. American Medical Informatics Association Annual Symposium Proceedings. 2008 Nov 6:657-61. PMID:18998988.
6. A Vincent, **DC Kaelber**, E Pan, S Shah, and B Middleton. *A Patient-Centric Taxonomy for Personal Health Records (PHRs)*. American Medical Informatics Association Annual Symposium Proceedings. 2008 Nov 6:763-7. PMID:18998912. (received Distinguished Paper Award from American Medical Informatics Association)
7. PW Gunn, ML Hanson and **DC Kaelber**. *In Reply Letter to the Editor - Underdiagnosis of Hypertension in Children and Adolescents*. Journal of the American Medical Association. Letter to the Editor. 299(2):168-169. 2008.
8. **DC Kaelber**. *Are Patents Adequately Protected against X-rays from Fluoroscopy – A Public Health Review. From Patients to Policy: Primary Care Track Education at Case Western Reserve University School of Medicine 1994-2007*. JH Medaline, PB Glover, and D Neuhauser editors. Trafford Publishing. Victoria, BC, Canada. 189-204. 2007.
9. CM Cusack, E Pan, JM Hook, A Vincent, **DC Kaelber**, DW Bates, and B Middleton. *The Value of Provider-to-Provider Telehealth Technologies*. Healthcare Information and Management Systems Society. 2007.
10. D Johnston, **D Kaelber**, EC Pan, D Bu, S Shah, JM Hook, and B Middleton. *A Value Framework for Personal Health Records (PHRs)*. American Medical Informatics Association Annual Symposium Proceedings. 2007 Oct 11:374-8. PMID:18693861.
11. SC Arendt, PR Barach, NA Busis, RF Goldberg, JM Heyman, JL Holly, **DC Kaelber**, PN Kaufman, RD Martin, JV Obestar, RM Wah, JN Welch, B Wollschlaeger. *Computerized Physician Order Entry Systems and Medication Errors*. Journal of the American Medical Association. Letter to the Editor. 294(2):178-179. 2005.
12. **DC Kaelber**. *Clinical Implementation of Electrocardiographic Imaging (ECGI): Design, Development, and Verification of a Person-Specific Electrocardiographic Imaging System*. Biomedical Engineering. Case Western Reserve University: Cleveland OH. 376. 1999.
13. **DC Kaelber**, JE Burnes, S Platt, J Haaga, AL Waldo and Y Rudy. *Design and Development of Tools for Clinical Electrocardiographic Imaging (ECGI)*. Electrocardiology '96 - From the Cell to the Body Surface. J. Liebman Editor. World Scientific: Singapore-New Jersey-London. 57-60. 1997.
14. **DC Kaelber**. *Feasibility of and Progress towards Clinical Implementation of Electrocardiographic Imaging*. Biomedical Engineering. Case Western Reserve University: Cleveland OH. 77. 1994.

ABSTRACTS AND PROCEEDINGS

(Names of trainees are underlined)

1. B Gawelek, C Kippes, and **DC Kaelber**. *Using Electronic Health Records to Create Morbidity Based Epidemiological Profiles: Closing the Local Morbidity Surveillance Gap in Public Health*. American Medical Informatics Association Annual Symposium Proceedings. Chicago IL. 2016. (Poster)
2. MA Wassef, B Wagner, J Russow, and **DC Kaelber**. *Personal Health Record Self-Scheduling by Patients Decreases No-Show Rates and Operational Efficiency in Primary Care and Specialty Follow-Up Visits*. American Medical Informatics Association Annual Symposium Proceedings. Chicago IL. 2016. (Poster)
3. R Novince, DS Bar-Shain, and **DC Kaelber**. *Clinical Decision Support Substantially Improved Appropriate Screening for Vitamin D Deficiency*. American Medical Informatics Association Annual Symposium Proceedings. Chicago IL. 2016. (Poster)
4. T Dolber and **DC Kaelber**. *Automatic Phone and Text Message Reminders to Increase Patient Completion of Outpatient Laboratory Testing*. American Medical Informatics Association Annual Symposium Proceedings. San Francisco CA. 2015. (Poster)
5. V Goyal, PJ Greco, and **DC Kaelber**. *Automating Personal Health Record Mammography Messages to Improve Mammography Screening Rates*. American Medical Informatics Association Annual Symposium Proceedings. San Francisco CA. 2015. (Poster)
6. GJ Kuperman, DW Bates, **DC Kaelber**, and DA Dorr. *Informatics Approaches to Supporting Emerging Accountable Health Care Delivery Models*. American Medical Informatics Association Annual Symposium Proceedings. San Francisco CA. 2015. (Panel Presentation)
7. V Jain, PJ Greco, and DC Kaelber. *Code Status Reconciliation to Improve Identification and Documentation of Code Status in Electronic Health*. American Academy of Pediatrics National Conference and Exhibition. Washington DC. 2015. (Poster)
8. W Liu, M Ross, J Leon, R Wasserman, A Fiks, and **D Kaelber** and the **Comparative Effectiveness Research through Collaborative Electronic Reporting (CER²) Study Group**. *Clinical Pediatric Hypertension Diagnosis and Initial Medication Management in Diverse Primary Care Clinic*. Pediatric Academic Societies. San Diego CA. 2015. (Oral Presentation)
9. A Fiks, M Ross, R Grundmeier, L Song, R Wasserman, J Steffes, and R Localio, and the **Comparative Effectiveness Research through Collaborative Electronic Reporting (CER²) Study Group**. *ADHD Diagnosis and Stimulant Medication Use in Preschoolers before and after Publication of the 2011 Practice Guideline*. Pediatric Academic Societies. San Diego CA. 2015. (Oral Presentation)
10. AS Czaja, W Liu, A Fiks, RC Wasserman, B McCarn, M Sills, ME E Ross, R Valuck, and WG Adams and the **Comparative Effectiveness Research through Collaborative Electronic Reporting (CER²) Study Group**. *A New Collaborative Pediatric Electronic Health Record (EHR) Network to Examine Off-Label Prescribing*. Pediatric Academic Societies. San Diego CA. 2015. (Oral Presentation)
11. R Grundmeier, A Fiks, W Liu, M Ross, J Steffes, L Leslie, and R Wasserman. And the **Comparative Effectiveness Research through Collaborative Electronic Reporting (CER²) Study Group**. *Proliferation of Psychotropic Polypharmacy in Pediatric Primary Care: Results from 800,000+ Children in the CER² EHR Dataset*. Pediatric Academic Societies. San Diego CA. 2015. (Oral Presentation)
12. R Shah, KL Kaelber, and **DC Kaelber**. *Growing Hip Pain in a Middle-Aged Man*. American Academy of Pediatrics National Conference and Exhibition. San Diego CA. 2014. (Poster)

13. EC Anyanwu and **D Kaelber**. *Underdiagnosis of Hypertension in Adult*. Society of General Internal Medicine Annual Meeting. 2014. San Diego CA. 2014. (Poster)
14. M Stager, J Leon, D Bar-Shain, A Runkle, and **DC Kaelber**. *Improving Adolescent Immunization Rates through Electronic and Non-electronic Direct Patient Communication*. Society for Adolescent Health and Medicine Annual Meeting. Austin TX. 2014. (Poster Presentation)
15. MH Fratantonio, A Masih, M Kauffman, and **DC Kaelber**. *Data to Dollars – Using Electronic Health Records to Complete Referrals*. American Medical Informatics Association Annual Symposium. Washington DC. 2013. (Abstract Presentation)
16. MA Baker, M Mazza, R Platt, DS Bar-Shain, **DC Kaelber**, and M Klompas. *Advanced Clinical Decision Support for Vaccine Adverse Event Detection and Reporting*. American Medical Informatics Association Annual Symposium. Washington DC. 2013. (Abstract Presentation)
17. K Palcisco, **DC Kaelber**, R Cebul, and L Stokes. *Using Electronic Health Record (EHR) Tools to Improve the Screening and Recognition of Depression*. American Medical Informatics Association Annual Symposium. Washington DC. 2013. (Abstract Presentation)
18. K Gourab and **DC Kaelber**. *Using Big Data for Risk Quantification of Rare Medical Association*. American Medical Informatics Association Annual Symposium. Washington DC. 2013. (Poster Presentation)
19. MA Baker, **DC Kaelber**, Megan Mazza, DS Bar-Shain, B Zambarano, P Moro, R Platt, and M Klompas. *Automated Detection and Reporting of Vaccine Adverse Events: ESP-VAERS*. ID Week. San Francisco CA. 2013. (Abstract Presentation)
20. D Bar-Shain, **D Kaelber**, J Leao, A Runkle, and P Stager. *Using Electronic Health Record Technologies to Improve Adolescent Vaccination*. Society for Adolescent Health and Medicine, Local Public Health Demonstration Project Summit Meeting. Cincinnati OH. 2013. (Platform Presentation)
21. AM Iqbal, **DC Kaelber**, and MJ Mhanna. *Prevalence and Risk Factors of Hypertension at School Age Among Extremely Low Birth Weight Infants*. Midwest Pediatric Cardiology Society. Chicago IL. 2013. (Poster Presentation)
22. D Bar-Shain, J Leon, P Stager, and **DC Kaelber**. *Improving adolescent immunization rates through electronic and non-electronic direct patient communication*. Pediatric Academic Societies Meeting. Washington DC. 2013. (Poster Presentation)
23. D Bar-Shain, K Palcisco, PJ Greco, and **DC Kaelber**. *Using advanced electronic clinical decision support to improve the quality and recognition of abnormal blood pressure values in children*. Pediatric Academic Societies Meeting. Washington DC. 2013. (Oral Presentation)
24. M Callahan, KL Kaelber, **DC Kaelber**. *Vitamin D Screening and Deficiency among Cerebral Palsy Patients*. Pediatric Academic Societies Meeting. Washington DC. 2013. (Poster Presentation)
25. GQ Zhang, L Cui, J Teagno, **D Kaelber**, S Koroukian, and R Xu. *Combining Ontology Browsing with Data Exploration: Moving the Needle in Medicaid Data Access*. Clinical Informatics Research Summit. San Francisco CA. 2013. (Poster Presentation)
26. V Patel and **DC Kaelber**. *Azathioprine – A case study using pooled electronic health record data and comorbidity networks for post-market drug surveillance*. Clinical and Translational Science Center Annual Informatics Meeting. Chicago IL. 2012. (Poster Presentation)

27. RK Vajravelu and **DC Kaelber**. *Analysis of voice-transcription software on outpatient charting efficiency.* American Medical Informatics Association Annual Symposium. Chicago IL. 2012. (Poster Presentation).
28. D Bar-Shain, K Palcisco, P Greco, and **DC Kaelber**. *Clinical Decision Support to Impact the Recognition of High Pediatric Blood Pressure Measurements.* American Academy of Pediatrics National Conference and Exhibition. New Orleans LA. 2012. (Poster Presentation)
29. V Patel and **DC Kaelber**. *Azathioprine-induced Comorbidity Network Reveals Patterns and Predictors of Nephrotoxicity and Neutrophilia.* The Second IEEE Conference on Healthcare Informatics, Imaging, and Systems Biology. La Jolla CA. 2012. (Oral Presentation)
30. RK Vajravelu and **DC Kaelber**. *Venous thrombolism risk and anti-tumor-necrosis alpha agents in inflammatory bowel disease and other chronic inflammatory diseases.* American College of Gastroenterology. Las Vegas NV. 2012. (Oral Plenary Presentation)
31. R Waheed, RD Cebul, D Einstadter, **D Kaelber**, and TE Love. *Health Information Exchange: Adoption by safety-net physicians and their perceptions of cost savings.* Academy Health Annual Research Meeting. Orlando FL. 2012. (Poster Presentation)
32. **DC Kaelber**, GQ Zeng, and A Jain. *Explorys – A New Paradigm in Integrated Data Repositories: Overview and Case Study.* Clinical and Translational Science Center Annual Informatics Meeting. Washington DC. 2011. (Oral Presentation)
33. A Noto, P Greco, and **DC Kaelber**. *An analysis of clinical decision support for repetitive urine culturing.* American Medical Informatics Association Annual Symposium. Washington DC. 2011. (Poster)
34. A Jain, **D Kaelber**, J Gilder, D Meil, and C Loughheed. *A Sustainable Platform for Data Sharing in Multi-Institutional Population-Based Clinical Research.* American Medical Informatics Association Annual Symposium Proceedings. Washington DC. 2011. (Poster)
35. K Kessler, AB McCague, and **DC Kaelber**. *Failure to Thrive and Chest Pain in an 18-year old.* American Academy of Pediatrics. Boston MA. 2011. (Poster Presentation)
36. MM Del Toro, AK Avery, PJ Greco, and **DC Kaelber**. *Electronic Health Records (EHRs): A Role in Eliminating Disparities in HIV Testing.* American Public Health Association. Washington DC. 2011. (Oral Presentation)
37. MM Del Toro, AK Avery, PJ Greco, and **DC Kaelber**. *Enhancing HIV Testing Practices: Routinizing Testing through Electronic Medical Record (EMR) Technology.* National HIV Presentation Conference. Atlanta GA. 2011. (Oral Presentation)
38. MM Del Toro, AK Avery, A Caron, PJ Greco, and **DC Kaelber**. *Enhancing HIV Testing Practices: Routinizing Testing through Electronic Medical Record (EMR) Technology.* National HIV Presentation Conference. Atlanta GA. 2011. (Oral Presentation)
39. G Kaur and **DC Kaelber**. *From Diagnosis to Follow-up - Getting Pediatric Patients with Weight Problems followed in a Pediatric Weight Management Program.* Pediatric Academic Societies Meeting. Denver CO. 2011. (Poster)
40. T Gurevich-Panigrahi, S Kausik, S Akers, R Needlman, and **DC Kaelber**. *One-Year Outcomes in a Longitudinal Pediatric Weight Management Program.* Pediatric Academic Societies Meeting. Denver CO. 2011. (Poster)
41. NP Iyer, M Lazbin, **D Kaelber**, and A Ghori. *Self-Developed Electronic Sign Out Format to Ensure Safe Transfer of Patient Care.* Association of Pediatric Program Directors Annual Meeting. Miami FL. 2011. (Poster)

42. **KR Schlosser** and **DC Kaelber**. *The Timing and Link between Development of Hypertension and Overweight in Children – A Cohort Study*. Circulation. 23 November 2010; 122: A18127. (Poster)
43. **N Pashmini**, **CGallaspie**, **E Clegg**, **N Fishburn**, and **DC Kaelber**. *Internet Access and Use among Lower Socio-Economic Status Populations*. American Medical Informatics Association Annual Symposium Proceedings. Washington DC. 2010. (Poster)
44. **E Lucas**, **T Joyner**, **J Conti**, **M Chase**, **J Hanrahan**, and **DC Kaelber**. *Bacterial colonization of hospital computer keyboards and the effect of keyboard covers*. American Medical Informatics Association Annual Symposium Proceedings. Washington DC. 2010. (Poster)
45. **P Nsaih-Kumi**, **DC Kaelber**, and **R Raina**. *So What's Your Question? Developing Good Research Questions for Junior Investigators*. Society of General Internal Medicine. Minneapolis-St. Paul. 2010. (Workshop)
46. **M Duran-Castillo**, **R Raina**, and **DC Kaelber**. *A Program to Enhance Scholarly Activities among Med-Peds Resident Physicians*. Med-Peds Program Directors' Association. Baltimore MD. 2010. (Poster)
47. **A Friedland**, **H Abdel Salam**, and **DC Kaelber**. *Med-Peds Program Directors Professional Activities*. Med-Peds Program Directors' Association. Baltimore MD. 2010. (Poster)
48. **P Bansal**, **M Lazbin**, **E Rader**, and **DC Kaelber**. *Esophageal Duplication Cyst: Cause of Chronic Cough*. American Academy of Family Practice Conference. New York NY. 2009. (Poster)
49. **EM Hinz** and **DC Kaelber**. *Clinician Characteristics and their Association with Efficient Electronic Health Record Documentation*. American Medical Informatics Association Annual Symposium Proceedings. San Francisco CA. 2009. (Poster)
50. **M Ikezuagu**, **E Yang**, **A Daghestani**, and **DC Kaelber**. *An Informatics Oriented Taxonomy for Black Box Warnings (BBWs)*. American Medical Informatics Association Annual Symposium Proceedings. San Francisco CA. 2009. (Poster)
51. **LJ Benson**, **H Baer**, and **DC Kaelber**. *Using Electronic Medical Records to Study Guideline Compliance: Screening for Pediatric Obesity Co-Morbid Conditions*. American Academy of Pediatrics National Conference and Exhibition. Washington DC. 2009. (Poster)
52. **LJ Benson**, **HJ Baer**, **PJ Greco**, and **DC Kaelber**. *Using Electronic Medical Records to Study Pediatric Practice Patterns - the Timeliness of Family History Documentation*. American Academy of Pediatrics National Conference and Exhibition. Washington DC. 2009. (Poster)
53. **FA Pickett** and **DC Kaelber**. *A Simplified Table to Identify Pediatric Dental Clients Needing Further Evaluation of Blood Pressure*. North American Dental Hygiene Research Conference. Bethesda MD. 2009. (Poster)
54. **LJ Benson**, **RC Cohn**, and **DC Kaelber**. *Continuity of Care and Diagnosis of Pediatric Hypertension*. Pediatric Academic Societies Meeting. Baltimore MD. 2009. (Poster)
55. **M Clark**, **M Stager**, and **DC Kaelber**. *Body Mass Index Percentile in a Cohort of Urban Children Pre and Post Puberty*. Pediatric Academic Societies Meeting. Baltimore MD. 2009. (Poster)
56. **AR Friedland**, **TA Melgar**, **DC Kaelber**, **WL Cull**, **JK Chamberlain**, and **BD Kan**. *The Impact of Combined Pediatrics Residency Programs on the Educational Experience of the Categorical Pediatric Residents*. Association of Pediatric Program Directors. Baltimore MD. 2009. (Poster)

57. RJ Fortuna, DY Ting, **DC Kaelber**, and SR Simon. *Characteristics of Med-Peds Practices*. Med-Peds Program Directors' Association. Baltimore MD. 2009. (Poster)
58. AR Friedland, TA Melgar, **DC Kaelber**, WL Cull, JK Chamberlain, and BD Kan. *The Impact of Combined Pediatrics Residency Programs on the Educational Experience of the Categorical Pediatric Residents*. Med-Peds Program Directors' Association. Baltimore MD. 2009. (Poster)
59. **DC Kaelber**, A Vincent, S Shah, EC Pan, and B Middleton. *Quantifying the Benefits of Personal Health Record (PHR) Systems*. American Medical Informatics Association Spring Congress. Phoenix AZ. 2008. (Oral Presentation)
60. **DC Kaelber**. Pump Up the Patient with Personal Health Records – The Value of PHRs to You and Your Patients. American Association of Physician Assistants. San Antonio TX. 2008. (Oral Presentation)
61. G Caspary, BD Kan, **DC Kaelber**, T Melgar, and JK Chamberlain. *Graduating Med-Peds Residents Are Less Satisfied with Mental Health Training for Children Than for Adolescents or Adults*. Pediatric Academic Societies. Honolulu HI. 2008. (Poster Presentation)
62. **R Dunlea**, E Pan, and **DC Kaelber**. *The Value of Telestroke*. American Telemedicine Association International Meeting. Seattle WA. 2008. (Oral Presentation)
63. A Vincent, CM Cusack, E Pan, JM Hook, **D Kaelber**, and B Middleton. *A New Taxonomy for Telehealth Technology*. American Medical Informatics Association Annual Symposium Proceedings. Chicago IL. 2007. (Poster)
64. **DC Kaelber**, V Miller, N Fisher, J Schlesinger, and G Norris. *Ambulatory Electronic Medical Record Payback Analysis 7 years after Implementation in a Tertiary Care County Medical System*. American Medical Informatics Association Annual Symposium Proceedings. Chicago IL. 2007. (Poster)
65. **PW Gunn**, **ML Hanson**, and **DC Kaelber**. *Underdiagnosis of Pediatric Hypertension. - An Example of a New Era of Clinical Research Enabled by Electronic Medical Records*. American Medical Informatics Association Annual Symposium Proceedings. Chicago IL. 2007. (Poster)
66. **DC Kaelber**, **ML Hansen**, and **PW Gunn**. *Underdiagnosis of Pediatric Hypertension – An Example of the Potential of Electronic Medical Record Research for Clinical Pediatricians*. American Academy of Pediatrics National Conference and Exhibition. San Francisco CA. 2007. (Oral Presentation)
67. **PW Gunn**, **ML Hanson**, and **DC Kaelber**. *A Research Partnership Model that Works – Bringing a Student's Interest in Clinical Research to Fruition (A Case Example)*. International Association of Medical Science Educators Annual Meeting. Cleveland OH. 2007. (Poster)
68. **R Magliola** and **DC Kaelber**. *SharePoint – An Effective and Efficient Method to Share Digital Medical Information Resources among Residents*. Society of General Internal Medicine Meeting. Toronto CA. 2007. (Poster)
69. **ML Hansen**, **PW Gunn**, and **DC Kaelber**. *Under-detection of Hypertension in Children*. Pediatric Academic Societies Meeting. Toronto CA. 2007. (Oral Presentation)
70. **M Auron-Gomez**, **S Ibrahim**, S Snow, R Needlman, RC Cohn, and **DC Kaelber**. *Weight Related Co-morbid Conditions in Overweight Children – What Are We Missing?* Pediatric Academic Societies Meeting. Toronto CA. 2007. (Oral Presentation)
71. **DC Kaelber**, E Pan, and B Middleton. *Comparison of Patient Travel Patters in Three Healthcare Markets*. American Telemedicine Association International Meeting. Nashville TN. 2007. (Oral Presentation)

72. N Shah and **D Kaelber**. *Fever after Foreign Travel*. American College of Physicians Massachusetts Chapter Meeting. Boston MA. 2006. (Poster)
73. V Subbiah, T Williams, and **D Kaelber**. *The Limping Child – Complex Regional Pain Syndrome Type 1 (Reflex Sympathetic Dystrophy)*. American Medical Association Annual Symposium. Las Vegas NV. 2006. (Poster)
74. V Allareddy, VA Allareddy, and **DC Kaelber**. *Comparing Perceptions and Use of a Commercial Electronic Medical Record (EMR) between Primary Care and Subspecialty Physicians*. American Medical Informatics Association Annual Symposium Proceedings. Washington DC. 2006. (Poster)
75. ND Krause, GD Roulette, KK Papp, and **DC Kaelber**. *Assessing Medical Informatics Confidence among 1st and 2nd Year Medical Students*. American Medical Informatics Association Annual Symposium. Washington DC. 2006. (Poster)
76. S Ibrahim, S Snow, R Cohn, and **D Kaelber**. *Use of an Intake Form as a Screening Tool Improves the Show Rates in a Pediatric Obesity Program*. Pediatric Academic Societies. San Francisco CA. 2006. (Poster)
77. VV Kudriavtsev, **D Kaelber**, M Lazbin, VV Polyshchuk and DL Roy. *A New Tool to Identify Still's Murmur*. Pediatric Academic Societies. San Francisco CA. 2006. (Poster)
78. **DC Kaelber**, G Caspary, T Melgar, BD Kan, and JK Chamberlain. *Outpatient Procedure Competency of Internal Medicine-Pediatrics Residents at Graduation*. Pediatric Academic Societies. San Francisco CA. 2006. (Poster)
79. W El-Mallah and **D Kaelber**. *Angiography Induced Radiation Skin Burn – A Burning Issue*. American Medical Association Research Symposium. Dallas TX. 2005. (Poster)
80. A Kamath, A Gori, N Haddad, **DC Kaelber**, D Mansour, and R Raina. *Longitudinal Impact of Single vs. Multiple Continuity Clinic (CC) Preceptors in Pediatric Resident CC*. American Medical Association Research Symposium. Dallas TX. 2005. (Poster)
81. A Kamath, R Raina, V Subbiah, F Shaikh, M Auron, **DC Kaelber**. *Pleural Ascites: A Case of Hepatic Hydrothorax*. American Medical Association Research Symposium. Dallas TX. 2005. (Poster)
82. R Raina, M Auron, A Kamath, F Shaikh, **DC Kaelber**, L Ponsky, A Agarwal, and C Zippe. *Noninvasive Monitoring of Bladder Cancer with NMP22 in Primary Care: Can it Replace Surveillance Cystoscopy?* American Medical Association Research Symposium. Dallas TX. 2005. (Poster)
83. R Raina, S Nair, M Auron, E Rizkallah, A Gori, D Mansour, **DC Kaelber**. *Encephalopathy: A Rare Presentation of Hashimoto's Thyroiditis*. American Medical Association Research Symposium. Dallas TX. 2005. (Poster)
84. F Shaikh, A Kamath, A Gori, N Haddad, **DC Kaelber**, D Mansour, R Raina. *Comparing Resident and Preceptor Perceptions of Educational Activities in Pediatric Resident Continuity Clinics (CC)*. American Medical Association Research Symposium. Dallas TX. 2005. (Poster)
85. F Shaikh, R Raina, M Auron, J Khan, T Mohyuddin, **D Kaelber**. *Role of Conservative Management in Spontaneous Pneumopericardium*. American Medical Association Research Symposium. Dallas TX. 2005. (Poster)
86. V Subbiah, M Shah, **DC Kaelber**. *An Innovative Post-Call Cab Ride Program*. American Medical Association Research Symposium. Dallas TX. 2005. (Poster)

87. R Raina, M Auron, DC Kaelber, D Mansour, A Agarwal, and CD Zippe. *Noninvasive Monitoring of Bladder Cancer with NMP22 in Primary Care: Can it Replace Surveillance Cystoscopy?* American College of Physicians Ohio Meeting. Cleveland OH. 2005. (Oral Presentation)
88. R Raina, E Rizkallah, A Gori, **DC Kaelber**. Encephalopathy: A Rare Presentation of Hashimoto's Thyroiditis. National Med-Peds Residents' Association Annual Meeting. San Francisco CA. 2005. (Oral Presentation)
89. **DC Kaelber**, P Greco, RD Cebul. *Evaluation of a Commercial Electronic Medical Record (EMR) by Primary Care Physicians 5 Years after Implementation*. American Medical Informatics Association Annual Symposium. Washington DC. 2005. (Poster)
90. R Raina, V Subbiah, DC Kaelber, P Kumanov, A Agarwal, AK Gori, D Mansour, HB Perzy. *Incidence of Genital Anomalies in 1200 Bulgarian Boys*. Pediatric Academic Societies. Washington DC. 2005. (Poster)
91. R Raina, V Subbiah, DC Kaelber, P Kumanov, T Mohyuddin, A Agarwal, A Gori, D Mansour, HB Perzy. *Disturbances in Gonadal Axis in Women with Anorexia Nervosa*. Pediatric Academic Societies. Washington, DC. 2005. (Poster)
92. R Raina, V Subbiah, N Haddad, A Gori, D Mansour, **DC Kaelber**. *A Cross-sectional Study of the Effect of Single vs. Multiple Continuity Clinic (CC) Preceptors in Pediatric Resident CC*. Pediatric Academic Societies. Washington, DC. 2005. (Poster)
93. R Raina, V Subbiah, N Haddad, A Gori, D Mansour, **DC Kaelber**. *Comparing Resident and Preceptor Perceptions of Educational Activities in Pediatric Resident Continuity Clinics (CC)*. Pediatric Academic Societies. Washington, DC. 2005. (Poster)
94. V Subbiah, S Subbiah, R Raina, T Mohyuddin, DC Kaelber, D Mansour. *An Unusual Case of Reversible Syncope: Atrial Standstill Due to Hyperkalemia*. Society of General Internal Medicine. New Orleans LA. 2005. (Poster)
95. R Raina, V Subbiah, FF Pasqualutto, T Mohyudin, DC Kaelber, D Mansour, A Agarwal, and HB Perzy. *Cigarette Smoking is related to a Decrease in Semen Volume in a Population of Infertile Men*. American Medical Association Research Symposium. Atlanta GA. 2004. (Poster)
96. V Subbiah, R Raina, DC Kaelber, M Chung-Park, H DeChant, D Mansour, and HB Perzy. *Diabetic Myonecrosis (Rare and Ominous Complication of a Common Disease)*. American Medical Association Research Symposium. Atlanta GA. 2004. (Poster)
97. R Raina, V Subbiah, DC Kaelber, A Agarwal, D Mansour, HB Perzy, CD Zippe. *Redefining Erectile Function Following Radical Prostatectomy (RP): Viagra Era 1999 and Beyond*. Great Lakes Regional Clinical Research Forum. Ann Arbor MI. 2004. (Oral Presentation)
98. **DC Kaelber**. *The Next Generation EKG - In Vivo Demonstration of Noninvasive Electrocardiographic Imaging during Normal Sinus Rhythm*. Proceedings of the 26th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. San Francisco CA. 2004. (Poster)
99. W Cull, **DC Kaelber**, T Melgar, BD Kan and JK Chamberlain. *Training Experiences of Combined Internal Medicine and Pediatrics Residents*. Pediatric Academic Societies. San Francisco CA. 2004. (Poster)
100. **D Kaelber**, JA Nelson, LF Strauss, E West, and IA Gilbert. *Decline in Asthmatics' Personal Best FEV1 is not associated with Progressive Obstruction as Measured by Spirometry*. American Thoracic Society. Seattle WA. 2003. (Poster)

101. **DC Kaelber**, S Grove, C Dziedzina, R Cohn, D Bar-Shain and M Richard. *A Pediatric PDA (Personal Digital Assistant) Program for Residents*. Pediatric Academic Societies. Seattle WA. 2003. (Poster)
102. **D Kaelber**, JA Nelson, L Strauss, K Munoz, T Love and IA Gilbert. *Anti-Inflammatory Therapy Produces Sustained Improvements in Symptoms and Pre-Bronchodilator Lung Function But Does Not Prevent Declines in Personal Best FEV1 for Inner-City Asthmatics*. American Thoracic Society. Atlanta GA. 2002. (Poster)
103. **DC Kaelber**, LA Biblo, SB Platt, JE Burnes, JR Haaga, AL Waldo and Y Rudy. *Noninvasive Electrocardiographic Imaging: Initial Evaluation in Humans during Ventricular Pacing*. Pacing and Clinical Electrophysiology. 22(4):887. 1999. (Poster)
104. **D Kaelber**, J Burnes, S Platt, J Haaga, A Waldo and Y Rudy. *Design and Development of Tools for Clinical Electrocardiographic Imaging (ECGI)*. 23rd International Congress on Electrocardiology: Cleveland OH. 22. 1996. (Oral Presentation)
105. **D Kaelber**, J Haaga and Y Rudy. *Non-invasive in vivo Determination of Body Surface and Epicardial Geometries for Electrocardiographic Imaging*. Proceedings of the 16th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Baltimore MD. 16:153-154. 1994. (Oral Presentation)
106. GE Trahey, LF Nock, PD Frieburger and **DC Kaelber**. *A System for High Resolution Ultrasonic Breast Imaging*. Proceedings of the 13th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Orlando FL. 13:133-135. 1991. (Poster)

INVITED PRESENTATIONS/GRAND ROUNDS

(Names of trainees are underlined>

1. L Capponi, M Rizer, B Miller and **D Kaelber**. *Ohio Hospital/Health System/Medical Clinic CMIO Panel Discussion*. Northern Ohio Healthcare Information Management and System Society Spring Conference. Cleveland OH. May 2016. (Invited Panelist)
2. D Paoletti, S Mash, B Watts, and **D Kaelber**. *Ohio HIE Focused Executive Panel Discussion and Presentation*. Northern Ohio Healthcare Information Management and System Society Spring Conference. Cleveland OH. May 2016. (Invited Panelist)
3. **D Kaelber**. *Population Level Direct Messaging to Patients/Parents to Increase HPV Vaccine Rates*. Appalachia Community Cancer Network Annual Research Seminar. Columbus OH. May 2016. (Oral Presentation)
4. **D Kaelber**. *Automating Medication Prior Authorization (ePA)*. Epic Physician Advisory Council. April 2016. (Oral Presentation)
5. **DC Kaelber**. *Underdiagnosis of Pediatric Hypertension*. American Academy of Pediatrics Pediatric Research in Office Settings (PROS) Annual Meeting. Chicago IL. April 2016. (Invited Oral Presentation)
6. **D Kaelber**. *Using Data to Improve Clinical Patient Outcomes – Case Studies from the MetroHealth System*. National Library of Medicine Regional Conference. Salt Lake City. March 2016. (Oral Presentation)
7. **D Kaelber**. *Optimizing Drug-Dose Checking to Minimize Alert Fatigue*. Healthcare Information Management and System Society Annual Conference. Las Vegas NV. February 2016. (Oral Presentation)
8. **D Kaelber**. *Exploiting Health IT to Improve Health (Davies Enterprise Award presentation)*. Healthcare Information Management and System Society Annual Conference. Las Vegas NV. February 2016. (Invited Oral Presentation)
9. **DC Kaelber**. *Leveraging Health IT to Improve Health (MetroHealth Stories Over the Past Decade)*. Kaiser Foundation Press Briefing @ the Epic Corporation. Verona WI. October 2015. (Invited Oral Presentation)
10. **D Kaelber** and G Fernandes. *Implementing and Optimizing Drug-Dose Checking*. Epic Users' Group Meeting. Verona WI. August 2015. (Oral Presentation)
11. M Ripchinski, J Napora, and **D Kaelber**. *InterOPENability Panel – Whatever You Call It, We're Sharing*. Epic Users' Group Meeting. Verona WI. August 2015. (Oral Presentation)
12. **DC Kaelber**. *Using Electronic Health Record for Research: Examples and Generalizable Principles*. National Drug Abuse Treatment Clinical Trials Network. Health Care Data Science Meeting. National Institute on Drug Abuse. Rockville MD. August 2015. (Oral Presentation)
13. **DC Kaelber**. *Clinical Informatics – Exploiting Health Information Technology to Improve Health*. University of Chicago. May 2015. (Seminar)
14. P Solberg, T Morrell, and **D Kaelber**. *Academic Informatics*. Epic Academic Council Meeting. Verona WI. April 2015. (Panel)
15. **DC Kaelber**. *Using BIG DATA from Electronic Health Records (EHRs) for Clinical Discovery*. Case Western Reserve University. January 2015. (Seminar)

16. **DC Kaelber.** *The Role of Informatics: Scope, Strategy, and Tactics.* University of Minnesota. Minneapolis/St. Paul. January 2015. (Oral Presentation)
17. **DC Kaelber.** *Helping the ACA's Newly Covered Patients Navigate and Access the Health Care System.* Association of American Medical Colleges Annual Meeting. Chicago IL. November 2014. (Invited Panelist)
18. **DC Kaelber.** *Rapid-Fire Presentation: The Value of Health Information Exchange.* Innovations Summit – Social Networks and Population Health. America's Essential Hospitals. Washington DC. October 2014. (Invited Panelist)
19. **DC Kaelber.** *Guideline Compliance in Pediatric Obesity: Where Are We Now?* 9th Annual Obesity Summit. The Cleveland Clinic Foundation. Cleveland OH. October 2014. (Lecture)
20. **DC Kaelber.** *Pediatric Obesity Opportunity and Impact – Studies from the 10 - Year Lifestyles Program.* 9th Annual Obesity Summit. The Cleveland Clinic Foundation. Cleveland OH. October 2014. (Workshop)
21. **DC Kaelber.** *Using Big Data from Electronic Health Records for Clinical Discovery.* Chautauqua Institution. Chautauqua NY. August 2014. (Lecture) (YouTube Video - http://www.youtube.com/watch?feature=player_detailpage&v=do1LX3b4X2A)
22. **DC Kaelber.** *Clinical Research Informatics: What we have done and what you can do at MetroHealth.* Department of Pediatrics. The MetroHealth System. Cleveland OH. May 2014. (Grand Rounds)
23. **DC Kaelber.** *Beyond Stage 1 Meaningful Use.* Healthcare Information and Management Systems Society (HIMSS) Regional Event. Cleveland OH. December 2013. (Keynote Speaker)
24. N Theera-Ampornpant, K Zheng, Y Gong, **DC Kaelber**, R Zhang, S Kaushik, R Shaw, T Kelley and S Khairat. *Preparing for Informatics Careers in the Age of Meaningful Use.* American Medical Informatics Association Annual Symposium. Washington DC. November 2013. (Panel Presentation)
25. **DC Kaelber.** *Developing a Clinical Research Informatics Program – Successes and Lessons Learned.* Columbus OH. October 2013. (Oral Presentation)
26. **DC Kaelber.** *The Use and Value of Health Information Exchange.* Epic Users' Group Meeting. Verona WI. September 2013. (Oral Presentation)
27. B Schwartz and **DC Kaelber.** *Data to Dollars: Completing Referrals.* Epic Users' Group Meeting. Verona WI. September 2013. (Oral Presentation)
28. J Siff, M Kaufmann, and **DC Kaelber.** *Organizing Informatics Teams: Beyond Implementation.* Epic Users' Group Meeting. Verona WI. September 2013. (Oral Presentation) (designated an "Epic Classics" by Epic customers – less than 5% of all talks are designated Epic Classics)
29. D Bar-Shain and **DC Kaelber.** *Communicating with Patients Outside of Visits.* Epic Users' Group Meeting. Verona WI. September 2013. (Oral Presentation)
30. **DC Kaelber.** *Beginning to Realize HIE for Public Health – Disease Reporting, Vaccine Adverse Events, and Obesity.* Ohio Health Data Symposium. Case Western Reserve University. Cleveland OH. June 2013. (Oral Presentation)
31. **D Kaelber, K Palcisco,** and C Williams. *Improving Depression Screening and Management.* Epic Physician Advisory Council. Verona WI. April 2013. (Oral Presentation)

32. **D Kaelber**, M Klompas, and M Baker. *Automated Vaccine Adverse Detection System*. Epic Research Advisory Council. Verona WI. April 2013. (Oral Presentation)
33. **DC Kaelber**. *EMR Use for Research and Public Health*. Balancing Privacy, Autonomy, Scientific Progress: Patients' Rights in the Use of Electronic Medical Records for Non-Treatment Purposes. Case Western Reserve University. Cleveland OH. April 2013. (Oral Presentation)
34. **DC Kaelber** and Gladys Haddad. *Technology, Medicine, and Public Health*. Case Western Reserve University. Cleveland OH. January 2013. (CWRU Regionally Speaking Radio Interview) (<http://blog.case.edu/wrss/2013/01/21/kaelber.mp3>)
35. **DC Kaelber**. *Using Electronic Health Record Data for Clinical Effectiveness Research*. Case Western Reserve University Symposium. Cleveland OH. December 2012. (Oral Presentation)
36. D Bar-Shain, C Williams, and **DC Kaelber**. *We Will, We Will, Vaccinate You*. Epic Users' Group Meeting. Verona WI. September 2012. (Oral Presentation)
37. D Bar-Shain, **K Palcisco**, and **DC Kaelber**. *A Suite of Pediatric Hypertension BPAs*. Epic Users' Group Meeting. Verona WI. September 2012. (Oral Presentation)
38. **DC Kaelber**. *Harnessing Digital Data (Chronic Disease Panel)*. 1st Ohio Health Data Statewide Symposium ~ Data Stewardship. Cleveland OH. August 2012. (Oral Presentation)
39. D Bar-shain, **K Palcisco**, and **DC Kaelber**. *Stepping Stone Best Practice Advisories for Pediatric Hypertension*. Epic Physician Advisory Council, Verona WI. April 2012. (Oral Presentation)
40. **D Kaelber**. *Organizing Informatics Teams – Beyond Implementation (MetroHealth)*. Epic Physician Advisory Council. Verona WI. April 2012. (Panel Presentation)
41. **D Kaelber**. *Using Electronic Health Records for “Retrospective” Research – Three Case Studies*. Vanderbilt University. Nashville TN. March 2012. (Grand Rounds)
42. P Sockolow, P Dalrymple, D Fridsma, **DC Kaelber**, and C Underwood. *Outlook for Student and Trainee Informaticians in the Era of HITECH*. American Medical Informatics Association Annual Symposium. November 2011. (Panel Presentation)
43. **DC Kaelber**. *Electronic Support for Public Health – Public Health Surveillance System (ESP)*. Cleveland City-wide Informatics Grand Round. Cleveland OH. August 2011. (Grand Rounds)
44. **D Kaelber**. *What Can You Do with a Database – Electronic Medical Records in Research*. Pediatric Academic Societies Meeting. Denver CO. May 2011. (Oral Presentation)
45. P Greco and **D Kaelber**. *Incidental-o-Matic: Handling Incidental Radiology Findings*. Epic Physician Advisory Council. Verona WI. April 2011. (Oral Presentation)
46. **D Kaelber**, P Greco, and D Zieminski. *Using Epic to Combat Multi-Drug Resistant Organisms*. Epic Physician Advisory Council. Verona WI. April 2011. (Oral Presentation)
47. **D Kaelber**. *Using Epic to Study Disease Progression*. Epic Research Advisory Council. Verona WI. April 2011. (Oral Presentation)
48. K Larsen and **D Kaelber**. *Expert Panel II: Optimization Essential*. Epic Academic Advisory Council. Verona WI. April 2011. (Panel Presentation)

49. **DC Kaelber.** *Using Epic for “Retrospective Research at MetroHealth – A Series of Case Studies of Pediatric Hypertension and Obesity.* Cleveland City-wide Informatics Grand Round. Cleveland OH. April 2011. (Grand Rounds)
50. **D Kaelber.** *Children with Adult Diseases.* Prevention Research Center for Healthy Neighborhoods Seminar. Cleveland OH. December 2010. (Oral Presentation)
51. J Siff, K Gleine, and **D Kaelber.** *Physician Champion Program.* Epic Users’ Group Meeting. Verona WI. September 2010. (Oral Presentation)
52. **D Kaelber.** *Infection Control and Computer Hardware.* Epic Users’ Group Meeting. Verona WI. September 2010. (Oral Presentation)
53. **D Kaelber,** J McNally, J Kimerle, and J Bonello. *From the Director’s Chair: Governance of Clinical Systems. Executive Forum.* Epic Users’ Group Meeting. Verona WI. September 2010. (Panel Presentation)
54. S Hoffman, **DC Kaelber,** and A Podgurski. *Health Information Law and Technology. Using Law, Policy, and Research to Improve the Public’s Health: A National Conference.* September Atlanta GA. September 2010. (Oral Presentation)
55. **DC Kaelber.** *Epic for Research.* Department of Medicine. Huron Road Hospital. Cleveland OH. June 2010. (Oral Presentation)
56. **DC Kaelber,** T Swales, and J Trinkl. *An Epic Clinical Informatics Fellowship.* Epic Physician Advisory Council. Verona WI. April 2010. (Oral Presentation)
57. **DC Kaelber** and M Klompas. *Using Epic for Public Health Reporting 2.* Epic Research Advisory Council. Verona WI. April 2010. (Oral Presentation)
58. **DC Kaelber** and C Sharp. *Chart Etiquette.* Epic Academic Advisory Council. Verona WI. April 2010. (Oral Presentation)
59. P Marshall and **DC Kaelber.** *The Personal Health Record – Driving Stakeholder Value.* American Health Insurance Plans. Webinar. November 2009. (Oral Presentation)
60. **DC Kaelber,** C Craven, C Cuskak, S Haque, D Kendrick, R Kennedy, and S Thomas. *Careers in Medical Informatics: Perspectives from Recent Job Searches.* American Medical Informatics Association Annual Symposium. November 2009. (Panel Presentation)
61. **DC Kaelber.** *Research in the Med-Peds Office Setting.* American Academy of Pediatrics National Conference and Exhibition. Washington DC. October 2009. (Oral Presentation)
62. **DC Kaelber.** *Diagnostic Trends in Pediatric Weight Problems? (Using Epic to conduct population based research).* Epic Research Advisory Council meeting. Verona WI. April 2009. (Oral Presentation)
63. **DC Kaelber.** *When is Family History Documented? (Using Epic to understand practice patterns).* Epic Physician Advisory Committee. Verona WI. April 2009. (Oral Presentation)
64. **DC Kaelber.** *Underdiagnosis of Hypertension in Children and Adolescents.* Department of Pediatrics. The MetroHealth System. Cleveland OH. February 2009. (Grand Rounds)

65. **DC Kaelber.** *Underdiagnosis of Hypertension in Children and Adolescents – Using Epic to Discover Important Clinical Research Findings.* Epic Research Advisory Council. Verona WI. June 2008. (Oral Presentation)
66. **DC Kaelber.** *Underdiagnosis of Hypertension in Children and Adolescents.* Brown University. Providence RI. April 2008. (Grand Rounds)
67. **DC Kaelber.** *Underdiagnosis of Hypertension in Children and Adolescents.* Massachusetts General Hospital. Boston MA. April 2008. (Grand Rounds)
68. **DC Kaelber.** *Underdiagnosis of Hypertension in Children and Adolescents.* Children’s Hospital Boston. Boston MA. January 2008. (Grand Rounds)
69. **DC Kaelber.** *Underdiagnosis of Hypertension in Children and Adolescents.* Duke University. Durham NC. January 2008. (Grand Rounds)
70. **DC Kaelber.** *Underdiagnosis of Hypertension in Children and Adolescents.* Harvard Internal Medicine and Pediatrics Program. Boston MA. January 2008. (Grand Rounds)
71. **DC Kaelber.** *Underdiagnosis of Hypertension in Children and Adolescents.* National Med-Peds Residents’ Association Annual Meeting. San Francisco CA. October 2007. (Oral Presentation)
72. **DC Kaelber.** *Underdiagnosis of Hypertension in Children and Adolescents – Using Epic to Discover Important Clinical Research Findings.* University of Iowa. Iowa City IA. October 2008. (Grand Rounds)
73. **DC Kaelber.** *Underdiagnosis of Hypertension in Children and Adolescents.* Vanderbilt University. Nashville TA. October 2007. (Grand Rounds)
74. **DC Kaelber, S Snow, E Seeholzer.** *The Biggest Generation - Obesity through the ages.* Department of Internal Medicine and Pediatrics. The MetroHealth System. Cleveland OH. June 2006. (Grand Rounds)
75. **DC Kaelber.** *Pediatric Obesity.* Department of Pediatrics. The MetroHealth System. Cleveland OH. April 2005. (Grand Rounds)