



Planting the HIE Seed Today...



To Grow an  
**EMS Solution**  
for the Future

**SUMMIT  
HANDBOOK**

HIE SUMMIT  
NOV, 19-20, 2013

Los Angeles, CA  
Westin Los Angeles Airport Hotel & Resort

**EMERGENCY MEDICAL SERVICES AUTHORITY**

10901 GOLD CENTER DRIVE, SUITE 400  
RANCHO CORDOVA, CA 95670  
(916) 322-4336 FAX (916) 322-8765



November 19, 2013

On behalf of the California Emergency Medical Services Authority, I welcome you to Los Angeles for the first EMS Health Information Exchange (HIE) Summit. This summit content and theme – *Planting the HIE Seed Today...To Grow an EMS Solution for the Future* – will present a range of thought provoking topics designed to stimulate new thinking about the use of health information exchange in Emergency Medical Services.

EMS must stay on pace with the rest of the healthcare system in availability of patient health information. To do this, we must first implement an infrastructure that allows for creation of an electronic patient care report in the field and transmission of that information to the receiving hospital for rapid evaluation, medical direction, and initiation of necessary time sensitive emergency care in the emergency department. Ultimately, the goal is bi-directional communication of patient health information to improve the ability of EMS personnel to provide optimal and safe patient care in the field, as well as incorporate EMS field care into the patients' Electronic Health Record.

We have an outstanding faculty to discuss emerging technologies and programs that will help us plant the seed in California that will grow into a far-reaching, interconnected HIE network. During these two days, we will explore national and local visions for health information exchange and explore the benefits of these systems. We are grateful for your attendance, because you are the local leaders that can deliver on the promise of interconnected information technology.

I would like to thank our summit sponsors and especially the California Office of Health Information Integrity for their support in this event and the 2013 HIE Project.

We hope your attendance is enjoyable and stimulates your commitment to optimal patient care by creating new avenues in data sharing and health information exchange.

Sincerely,

A handwritten signature in black ink that reads "Howard Backer". The signature is written in a cursive, flowing style.

Howard Backer, MDM MPH, FACEP  
Director  
California Emergency Medical Services Authority

# Acknowledgements

## California Emergency Medical Services Authority Staff:

Howard Backer, M.D.; Director

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Teri Harness, Assistant Chief, EMS Systems Division

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Adam Davis, Staff Service Analyst

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Lynette Magnino, Inspired Management Services, LLC





**‘Planting the HIE Seed Today...To Grow an  
EMS Solution for the Future’ Summit  
WESTIN Los Angeles Airport Hotel and Resort**

**AGENDA: Day 1**



NOVEMBER 19, 2013: TUESDAY

10:00 am – 4:45 pm

9:00-10:00 am:	Check In / On-site Registration Continental Breakfast	
10:00-10:05 am:	Opening / Welcome / Housekeeping:	Dan Smiley
10:05-10:15 am:	<i>Planting the HIE Seed Today</i> EMSA Director	Dr. Howard Backer
10:15-11:00 am:	<i>Relating EMS to HIE in CA</i> Keynote Speaker	Dr. Ken Kizer
11:00-11:45 am:	<i>How does EMS fit into the national scheme of HIE?</i> Department of Health and Human Services Office of National Coordinator	Lee Stevens
11:45-1:00 pm:	Lunch; Grand Ballroom Foyer	
12:45-1:00 pm:	<i>What is your company's plan to get CA EMS to bi-directional sharing of data between the ePCR and hospital based EHR?</i> Gold Sponsor ESO Solutions	Kurt Stonecipher
1:00-1:45 pm:	<i>CA Progress on EMS and HIE within San Diego County</i> San Diego Beacon Project	Dan Chavez
1:45-2:30 pm:	<i>How HIPAA and HIE interface?</i> CA Office of Health Information Integrity	David Nelson
2:30-3:00 pm:	<i>How can CAHIE assist with the relationship between hospitals and pre-hospital to exchange patient information?</i> CA Association of Health Information Exchanges: HealthShare of Bay Area	Dave Minch
3:00-3:15 pm:	Break	
3:15-4:00 pm:	<i>What is your company's plan to get CA EMS to bi-directional sharing of data between the ePCR and hospital based EHR.</i> Gold Sponsors	
3:15-3:30 pm:	Physio Control / World Advancement of Technology for EMS and Rescue, Inc	Tim Knowles / John Pringle
3:30-3:45 pm:	Beyond Lucid Technologies	Jonathon Feit / Christian Witt
3:45-4:00 pm:	ImageTrend, Inc.	Todd York
4:00-4:45 pm:	<i>Update on and the process outlined in Readiness assessment</i> Lumetra Healthcare Solution	Kimbelee Snyder
4:45 pm:	End of the Day / Evaluations / CE Quiz submitted	
5:00-6:00 pm:	Evening Reception	



**‘Planting the HIE Seed Today...To Grow an  
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**AGENDA: Day 2**



Gwenmarie Hilleary

NOVEMBER 20, 2013: WEDNESDAY

9:00 am – 3:00 pm

- |                    |  |   |
|--------------------|--|---|
| 8:00-9:00 am:      | Check in / Continental Breakfast   |   |
| 9:00-9:10 am:      | Welcome / Daily Housekeeping   | Dan Smiley  |
| 9:10-9:50 am:      | <i>Hospital and HIEs: How to grow the relationship with pre-hospital providers</i><br>California Hospital Association<br>Hospital Association of San Diego and Imperial Counties |   |
|                    | Morning Break is on your own   |   |
| 9:50-10:35 am:     | <i>Update on LEMSAs' Projects</i>  | Pat Frost: Contra Costa<br>Kirk Schmitt: Monterey<br>Tom Lynch: ICEMA   |
| 10:35-11:00 am:    | <i>Local EMS agency success story</i><br>Orange County EMS Agency  | Laurent Repass  |
| 11:00-11:30 am:    | <i>What is your company's plan to get CA EMS to bi-directional sharing of data between the ePCR and hospital based EHR?</i><br>Gold Sponsors                                     |   |
| 11:00-11:15 am:    | Zoll   | Rene Nelson   |
| 11:15-11:30 am:    | Humetrix   | Christopher R. Burrow, M.D.<br>Bettina Experton, M.D., M.P.H.   |
| 11:30 am-12:30 pm: | LUNCH; Grand Ballroom Foyer  |   |
| 12:30-12:45 pm:    | <i>Provider Success Story</i><br>Hall Ambulance  | Johnathon Surface   |
| 12:45 -1:45 pm:    | <i>Positioning EMS information; NEMSIS and Federal Activities'</i><br>National Highway Traffic Safety Administration<br>Office of Emergency Medical Services                     | Susan McHenry   |
| 1:45-2:00 pm       | Break  |   |
| 2:00-2:15 pm:      | <i>Provider Success Story</i><br>Los Angeles City Fire Department; EMS Division  | Gregory Reynar  |
| 2:15-2:50 pm:      | <i>Panel Discussion</i>  | Cathy Chidester: LA County EMS<br>Dr. Joe Barger Contra Costa EMS<br>Dr. Jim Dunford<br>San Diego City Medical Director |
| 2:50-3:00 pm:      | <i>Where do we go from here?</i><br>Wrap Up / Summary  | Dan Smiley  |



# Continuing Education Information

This summit activity has been planned and implemented to provide continuing education for nurses and prehospital care professionals through the California Emergency Medical Services Authority.

Provider approved by the CA Board of Registered Nursing  
California BRN CEP #13574

11 hours of CE approved for nurse providers

California EMS CEP# 94-0001

11 hours of CE approved for prehospital care providers

**To successfully complete this program for CE hours, you must:**

1. Sign in each day at the check in table and Sign out each day at the CE table;
2. Complete and submit a summit and topic evaluation at the conclusion of Day 1; and
3. Complete and submit a summit and topic evaluation at the conclusion of Day 2.
4. CE will be awarded at the end of each day.



**Emergency Medical Services Authority strives to:**

- Serves as a forum for the exchange of information
- Promote the dissemination of knowledge concerning EMS system, and
- Foster relationships with other state and local organizations and agencies also involved in emergency medical services.

# Planting Seeds...

## SUMMIT Presenters:

In order of presentations

### DAY 1:

**Kenneth Kizer, MD;** A Distinguished Professor, University of California Davis School of Medicine (Department of Emergency Medicine) and Betty Irene Moore School of Nursing, and Director, Institute for Population Health Improvement, UC Davis Health System, Dr. Kizer is an internationally respected and sought after health care thought leader and speaker, and has the extremely rare distinction of being elected to both the Institute of Medicine of the National Academy of Sciences and the National Academy of Public Administration. He has been selected as one of the '100 Most Powerful People in Healthcare' by Modern Healthcare magazine on several occasions.

Dr. Kizer's professional experience includes positions in academia, philanthropy and the public and private sectors. His previous positions include serving as founding President and CEO, National Quality Forum; Under Secretary for Health, U.S. Department of Veterans Affairs and CEO of the largest health care system in the US, where he engineered the internationally acclaimed transformation of the VA Health Care System in the late 1990s; Director, California Department of Health Services and the state's top health official for nearly 7 years; Director, California Emergency Medical Services Authority and architect of the State's EMS system in the early 1980s; and President, CEO and Chairman of Medsphere Systems Corporation, a leading commercial provider of open source health information technology. He has served on the governing boards of managed care and health information technology companies, foundations, professional associations and non-profit organizations, as well as being an advisor to numerous foreign countries.

Dr. Kizer is an honors graduate of Stanford University and UCLA, and he is board certified in six medical specialties and/or subspecialties. He has authored over 400 original articles, book chapters and other reports, and is a fellow or distinguished fellow of 10 professional societies.

**Lee Stevens;** serves in the Office of the National Coordinator as the Director of Policy for the State Health Information Exchange (HIE) Program, overseeing the development and dissemination of policies intended to support the electronic exchange of health information.

Lee has also served as the Manager of HIE plan development and oversight for the Eastern and Southern regions of the U.S, Puerto Rico and the Virgin Islands, including technical assistance and long-term planning activities related to enabling exchange. Lee also serves as the liaison for intergovernmental affairs on issues related to health information technology for the Office of the Secretary. Before coming to the Department of Health and Human Services, Lee served as the Federal Policy Director for the Southern Governors' Association where he managed the Gulf Coast Health Information Technology Task Force. The Gulf Coast HIT Task Force was created to establish a dialogue on health information exchange between states impacted by Hurricanes Katrina and Rita.

Lee has also served as the Washington, D.C. based health and human services advisor for North Carolina governor Jim Hunt and previously



as a senior legislative assistant on health issues for former U.S. Congressman Charlie Rose.

**Kurt Stonecipher;** serves as Director of Products at ESO and specializes in health data exchange and analytics solutions for the healthcare industry. He works closely with EMS, hospital providers and Health Information Exchanges to ensure pre-hospital healthcare information is integrated broadly and deeply throughout the healthcare community and can be used in meaningful ways. Kurt has more than 17 years of experience in healthcare IT including software development and product management leadership roles at LabCorp, EDS, and Dell Healthcare and Life Sciences. Kurt graduated from the University of Texas at Austin and enjoys running, mountain biking and spending time with his family at their home in Austin, Texas.

**Daniel J. Chavez;** joined San Diego Health Connect as Executive Director in March 2013. Previously, he served as Vice President of Marketing and Business Development for Independa, a San Diego-based innovator that provides solutions to help the elderly remain independent. In his previous positions, Chavez was Executive Vice President at Payformance Corporation, Senior Vice President and General Manager of the medical division of Immersion Corporation, and Senior Vice President at Availity. His prior experience includes IBM, GTE, SAIC, Stellcom Technologies and CSC. He holds a BA from San Jose State University and an MBA from Stanford University.

**David Nelson, CISSP, CIPP/US, CHCR, CHPC;** joined Cal OHII in July 2013 as a Senior Consultant in health care privacy. Prior to this position, he served for six years as the Chief Privacy Officer and Deputy Compliance Officer for the County of San Diego. David was Privacy and HIPAA Security Officer for the County of Yolo and served as the co-Chair of both state Privacy and Security Committees under the Department of Health and Human Services and subsequently served as co-chair of the Cal OHII Security Steering Team and Policy Steering Team under Cal OHII. His long history of involvement in statewide workgroups led to his appointment by the California State Association of Counties to the state Privacy Security Advisory Board (PSAB) in 2007 which sunset in 2011. He has been published repeatedly in the International Systems Security Association Journal and frequently speaks on privacy, HIPAA and the interaction of privacy and security issues. He also serves as a Privacy Committee member for the Health Care Compliance Association and is a standing member of the HCCA Privacy Academy faculty. Mr. Nelson holds two certifications in privacy, one in research compliance and one for information systems security.

**Dave Minch, BS, FHIMSS;** is the President and COO of HealthShare Bay Area. Previous engagements include 14 years with John Muir Health, an IDN in the San Francisco East Bay, in various management roles; manager of Business Engineering for Kaiser's Northern California Region; President of Coast Micro, Inc., a small software development company in the SF East Bay; and Vice President of Amherst Associates' Computer Services division. He received a Bachelor of Science degree from the University of California, Irvine, and entered the health care industry in 1976 after spending seven years in insurance data

# SUMMIT Presenters *cont...*

## In order of presentations

processing; and has accumulated over thirty five years of health care computing and strategic planning experience.

In addition to his current responsibilities for building and operating a Health Information Exchange in the SF Bay Area, Mr. Minch co-chairs the Policy Steering Team of the California Office of Health Information Integrity (CalOHII), is President of the California Association of HIEs, is a co-founder of the California e-Health Collaborative, and is a director on the board of MDISS (Medical Device Innovation, Safety, and Security consortium). Mr. Minch presently leads the California participation in the national EHR-HIE Interoperability Workgroup and is a member of the National HIE Governance Forum under NeHC.

Mr. Minch participates in several HIMSS national committees and is a past chair of the national HIMSS HIE Committee, which he helped to found in 2007, and is currently the National HIE Roundtable Chair. He is also on the HIMSS Northern California Chapter Board. Mr. Minch has spent several years as a National HIMSS educational program reviewer, and speaks frequently at HIMSS, HFMA, and other national and regional forums.

**John Pringle;** is CEO and Co Founder of World Advancement of Technology for EMS and Rescue W.A.T.E.R. John is a 26 year Paramedic/Firefighter spending 10 years as the Electronic Patient Documentation Program Manager for the City of San Diego Fire and Rescue. He has been an integral part in the development of San Diego's own Tap-Chart Smart Phone ePCR and serves as an international EMS data consultant and served as a Volunteer member to the State of California EMS Data Committee. Additionally, John has been a speaker at numerous business-mobility and medical record institute symposiums throughout North America and Europe. In 2008 John was awarded by the Computer World Society as a Laureate for developing Health Care Technology that provides great benefit to society. John was also recognized as a leading EMS innovator in 2009 by JEMS as an EMS 10 innovator of the year. JEMS labeled John "The Connector" and further stated that John Pringle's persistence led to the creation of a program that facilitates complete electronic sharing of patient information between EMS and hospitals.

**Jonathon Feit;** Jonathon Feit is Co-Founder & CEO of Beyond Lucid Technologies. A widely published marketing expert focused on new media and health IT, he has presented at Health 2.0, the mHealth Summit and Moscow's Skolkovo Foundation. In 2009, he served in the White House Office of Management & Budget, where he helped spearhead the redesign and relaunch of USAJOBS.gov.

Prior to BLT, Jonathon published Citizen Culture Magazine. From 2004-2008 he was the youngest member of the American Society of Magazine Editors, and in 2005 he became the youngest Faculty appointee in Boston University's College of Communication. He is a member of the National Press Club with an extensive publications list that includes Forbes.com, BusinessWeek.com, EMS World, and The Health Care Blog. He was a finalist for the 2010 WPP Fellowship.

Jonathon has Tourette's Syndrome and is passionate about advocating on behalf of people with disabilities. Concurrent with his professional activities, and following a term in the U.S. Army Reserve, he engaged

in scholarly research on the etiology and treatment of psychiatric disorders including PTSD. He has delivered papers before the World Congress of Psychosomatic Medicine (2009) and the American Academy of Religion (2004), and edited a textbook chapter on the pharmacological treatment of epilepsy.

Jonathon earned an MBA from Carnegie Mellon's Tepper School of Business, and a Combined BA/MA cum laude in "Psychology, Religion and Conflict Negotiations" from Boston University. He holds certificates in Mediation from the Pepperdine School of Law, and in Entrepreneurship Development from the MIT-Sloan School of Management.

**Christian Witt;** Co-Founder, President and Chief Technology Officer of Beyond Lucid Technologies, Inc., Chris began his career as an engineer working in computer-related fields pertaining to semiconductor devices, Internet applications, custom software, and custom hardware, and he has a variety of technical roles at two startups and several blue-chip companies including Hewlett-Packard, Northrop Grumman, and Boeing Corporation, where he occupied escalating program management roles.

Among Chris's technical specialties is the acquisition and processing of simultaneous complex data streams: at Boeing, he developed several multi-million dollar augmented reality systems that integrate input data from up to 15 separate sensors to increase combat awareness for soldiers in Iraq and Afghanistan. The development of one of these systems, a wire detection system for helicopters, led to the acquisition of a \$Billion contract from the US Government in 2005. Following this success, in 2007 he was named program manager of a new Boeing initiative and led his team to receive a \$25 million grant to invest in the development of unmanned aerial vehicles.

During business school at Carnegie Mellon University, Chris worked on the team responsible for the integration of National City Bank payment products into PNC Bank. At Beyond Lucid Technologies, in addition to being principally responsible for the company's forward-looking financial statements and enterprise resource planning, he oversees the engineering department.

Chris holds a Bachelor of Science degree in Computer Engineering from Brigham Young University, and an MBA from the Tepper School of Business at Carnegie Mellon University.

**Todd York, B.S.;** brings a background of more than 15 years in customer service and account management, ten of these in the software and EMS Billing industries. His common sense, solution based approach helps clients understand how the products bring value to an organization beyond just feature and function.

**Kimbelee Snyder;** brings with her more than thirty years of experience in organizational leadership, strategic planning and information systems development and implementation. Through work with public and private sector health care organizations, her skills have been proven in the areas of EHR optimization and meaningful use requirements. Her background includes serving as the Project Director on the ONC sponsored Health Information Security and Privacy Collaborative as well as key roles in health information exchange projects. She has worked as a strategic consultant for state Medicaid programs and

# SUMMIT Presenters *cont...*

## In order of presentations

has been instrumental in helping over 800 provider and large clinics achieve meaningful use.

Ms. Snyder currently serves as Vice President of Healthcare Informatics at Lumetra Healthcare Solutions, where she leads a team of healthcare analysts toward successful implementation of electronic health records and meaningful use attestation. Prior to this position, Kim was a Director at Health Services Advisory Group where she had the opportunity to work with 40 Critical Access Hospitals funded under the HITECH Act to receive subsidized services for EHR implementation and meaningful use attestation.

Ms. Snyder's career includes working with many different industries in Senior Management positions defining and implementing complex technology solutions. She is an expert in workflow analysis and has a proven talent for defining business needs and translating them into technology solutions. Kim has proven effectiveness in consensus building, partnering with senior business leaders and working collaboratively at all levels to implement healthcare related projects delivering measurable quality results.

### DAY 2:

**Gwenmarie Hilleary, FACHE;** is currently the Executive Director for E-Health, Provider Relations and Business Development for the Hospital Association of San Diego and Imperial Counties. She coordinated the development of the administrative arm of the Regional HIE- San Diego Health Connect. She led a collaboration of local Hospitals and Skilled Nursing Facilities in a forum style work effort resulting in a 10% reduction of All Cause Re-Admissions rates for the Region.

Gwenmarie is a Licensed Nursing Home Administrator and a Fellow of the American College of Healthcare Executives. She has served 12 years as Administrator of Edgemoor Hospital, in San Diego, California. Previous employers include Scripps Health and Sharp Healthcare. She currently serves as a Board Member of the San Diego Healthcare Association. Gwenmarie is a senior Examiner for the AHCA/ NCAL National Quality Awards. She is an adjunct faculty member at National University.

**Pat Frost; RN, MS, PNP;** has been the Director of Contra Costa County Emergency Medical Services since 2011. Pat received her BSN from the University of San Francisco in 1977, her MSN in 1983 and her Post-Master's PNP in 1995 from the University of California in San Francisco. Pat has spent the majority of her Bay Area career at Stanford Packard Children's Hospital, UCSF and Oakland Children's as a critical care nurse, transport nurse, prehospital and hospital educator and pediatric nurse practitioner and in 2006 came to Contra Costa EMS to build their prehospital Quality improvement System. During her hospital career she participated as an educator and superuser for several hospital implementations of electronic medical record systems including Meditech and Cerner. Pat has been working with her EMS community to facilitate efficient data management to support EMS health information exchange, EMS system performance, patient safety and process improvement.

**Kirk Schmitt;** is the EMS Administrator for Monterey County. Previously he was the State Director for EMS in Iowa. Kirk has 20+ years' experi-

ence in EMS, working in diverse environments from rural EMS systems in the Midwest, to flight paramedicine, and clinical education and safety/risk management. Kirk holds a MS in Healthcare Administration from the University of South Dakota and is a graduate of the Executive Leadership Program of the Center for Homeland Defense and Security at the Naval Postgraduate School.

**Tom Lynch;** Prior to joining the Inland Empire EMS Agency in August 2012, Tom was an EMS director for San Luis Obispo, Monterey and Santa Clara, and Alameda counties. He was also a Prehospital Coordinator for the City and County of San Francisco EMS Agency when he first came to California. Tom began his EMS career with the New York City EMS as an EMT in the South Bronx. He went on to be a member of the third NYC EMS paramedic class before being assigned to the first paramedic ambulance in the Harlem community.

Tom was with the EMS system in the City and County of Denver for 12 years where he served in multiple roles as a Denver General paramedic, EMS educator and administrator. In Denver, Tom started a prehospital program and a hospital based, fixed wing inter-facility flight service where he functioned as both a flight coordinator and paramedic.

Tom has a special interest in disaster management and has served as the Medical Health Operational Area Coordinator in several counties and as the Region I Regional Disaster Medical Health Coordinator during the Northridge earthquake. He has also authored a number of articles in EMS journals and served as a Board of Governors member of a community hospital for 11 years.

**Laurent Repass, NREMT-P;** is a Nationally Registered Paramedic with over 20 years of EMS operations and management experience in California. For the past 8 years, Laurent has served as an EMS Coordinator for the Orange County Emergency Medical Services Agency and has led the County's efforts to plan, implement, and manage the Orange County Medical Emergency Data System, or OC-MEDS. OC-MEDS is the county-wide integrated electronic prehospital care report (ePCR) system used by all Orange County EMS providers. Laurent is an advocate for evidence based EMS Quality Improvement and firmly believes that the future of EMS rests with integration into the health care continuum through technological advancement and health information exchange.

**Rene Nelson;** is a Product Manager for ZOLL Medical Corporation, a leader in medical products and software solutions which help responders manage, treat, and save lives in emergency rescues and hospitals. Rene' has served in different roles within the software division of ZOLL and has expertise in NEMSIS and HL7 data as it relates to EMS across the country. She came to ZOLL 8 years ago from busy 911 center in Colorado where she worked as a supervisor that handled EMS, Fire and Law Enforcement dispatching. Rene' also has held certifications for EMT-Basic and Advanced Emergency Medical Dispatching through her career. Currently her work passion is to bridge the gap between EMS and Hospitals by using technology and standards to exchange critical data. She is a voting HL7 member and the sole software vendor representative on the NEMSIS (National EMS Information System) Steering Committee.

**Christopher R. Burrow, M.D.;** is Executive Vice President for Medical

# SUMMIT Presenters *cont...*

## In order of presentations

Affairs, Humetrix. Dr. Burrow, a physician-scientist and biotechnology executive/entrepreneur in the field of genomics and personalized medicine, has played a leading role at Humetrix in the development of the iBlueButton and ICEBlueButton apps as the health information data specialist working closely with the software development team. Dr. Burrow has been active on multiple BlueButton+ workgroups in the S&I Framework initiative over the last year, and as EVP Medical Affairs is the principal data security and privacy officer within the company. Dr. Burrow trained in Internal Medicine, Nephrology and Molecular Biology at the Johns Hopkins University School of Medicine. As a faculty member first at Hopkins, and then at the Mount Sinai School of Medicine Dr. Burrow was an Attending Physician in Nephrology and an internationally recognized leader in the molecular biology of kidney development.

**Bettina Experton, M.D., M.P.H.;** is President and CEO of Humetrix and has been leading Humetrix over the last 20 years on the HIT innovation path with the development of health risk appraisals, chronic care management software, and consumer-facing mobile device-based solutions which have been deployed worldwide. She is a physician trained in Internal Medicine, Pediatrics and Public Health, a former State of California Public Health Officer, and is an Adjunct Professor of Medicine at UC San Diego School of Medicine. At Humetrix, Bettina has also conducted groundbreaking health services research on the frail elderly, and has been an important advocate of consumer-mediated exchange and Blue Button from the start, both on the policy front and in her leading Humetrix in the design and development of patient-centric Blue Button powered mobile solutions.

**Johnathon Surface;** John Surface is the Operations Manager for Hall Ambulance Service in Bakersfield. A 16 year Hall Employee he previously served as a Paramedic Supervisor and Assistant Operations Manager. Surface started his EMS career in 1983 when he enlisted in the United States Air Force as a Fire Protection Specialist. He served two enlistments with assignments to Minot North Dakota, Hahn Air Base West Germany West Germany, Soto Cano Air Base in The Republic of Honduras and Beale Air Force base near his home town in Northern California. While at Beale he became a volunteer firefighter with the Walton Fire Protection District. Upon separation from the USAF he worked for Bi County Ambulance in Yuba City while he attended Paramedic training at Northern California Training Institute. He transitioned from volunteer to career firefighter while at Walton and was promoted to the rank of Captain. In 1997 he moved to Bakersfield and started his career at Hall Ambulance. He is a graduate of the Ambulance Service Manager program. Surface works to continue the community service legacy created by Hall founder Harvey L. Hall. He is the Vice President of the Bakersfield Breakfast Lions Club, Chair of the California Ambulance Association Political Action Committee, member of the Emergency Medical Care Advisory Board, past President of the Kiwanis Club of Bakersfield, past Board member of the Boy's and Girl's Club of Kern County, past board member for Leadership Bakersfield.

**Susan McHenry, BA, MA;** is an EMS Specialist with the National Highway Traffic Safety Administration, Office of Emergency Medical Services (March, 1996 to Present). She is the former Director, Office of Emergency Medical Services, Virginia Department of Health (1976 - 1996) Among her major responsibilities is the project coordination

and direction of the National EMS Information System (NEMSIS) and the NEMSIS Technical Assistance Center.

**Gregory Reynar;** Assistant Chief/EMT-P, Los Angeles Fire Department: is a 31 year veteran of the Los Angeles Fire Department with extensive experience in fire suppression, emergency medical service, personnel management, training and leadership. In January 2011, Assistant Chief Reynar was assigned to lead the operational implementation of the Department's new Electronic Patient Care Report (ePCR) program. Certified in Los Angeles County as a Paramedic since 1979, he currently serves as the Commander of the LAFD's Emergency Medical Services Division and can be reached at [gregory.reynar@lacity.org](mailto:gregory.reynar@lacity.org).

**Cathy Chidester, BSN, MSN;** has over 34 years of nursing and management experience and has a Masters Degree in Nursing. She has held several key positions in the field of EMS management, including Trauma Nurse Coordinator for a county-approved trauma center and Director of Education for the J. Michael Criley Paramedic Training Institute. She was appointed by the Department of Health Services to the position of Director of the Los Angeles County Emergency Medical Services Agency in 2008 where she is responsible for managing the largest multi-jurisdictional EMS system in the country as well as a variety of additional local health department functions. She has actively participated on many local and state committees and functions as the Executive Director of the LA County EMS Commission and past President of the Emergency Medical Services Administrators Association of California. She is responsible for disaster coordination for the Department of Health Services as well as Regional Disaster and Medical and Health Coordinator (RDMHC) for Region 1. Cathy has a passion for policy development, quality patient care and ongoing improvement of the EMS system.

**Joe Barger, M.D.;** is EMS Medical Director of Contra Costa County. He completed a residency in Family Practice in 1983 and has worked for Contra Costa County Health Services continuously since residency. He served as Emergency Department Director of Contra Costa County Medical Center from 1987 to 1998, and has served as EMS Medical Director since 1996. His interests include patient safety and utilization of data to enhance EMS systems of care.

**James Dunford, MD, FACEP;** has been on the faculty of the UCSD Department of Emergency Medicine since 1980 and is the City of San Diego EMS Medical Director. He has played key roles in the creation of many of the San Diego regional systems of care including its public access to defibrillation program (San Diego Project Heartbeat) as well as the STEMI and Stroke systems. In partnership with the San Diego Police Department, Jim established the Serial Inebriate Program (SIP), a national model to address homeless alcoholics. More recently Jim developed the City EMS-based San Diego Resource Access Program (RAP) to address frequent 911 callers and shepherded the development of Project 25, a 3-yr "housing first" initiative to deal with the city's 25 most impactful individuals. Jim championed the importance of integrating the City EMS system into the San Diego Beacon Community proposal to show the value of bidirectional EMS-RHIE exchange. Jim serves as emergency medicine expert on work groups at the National Quality Forum, which are tasked with selecting future measures of quality for federal health reform.

# *Thank You!*

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TO OUR SPONSORS AND EXHIBITORS.

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sponsors who have generously supported this HIE Summit!

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If you knew what happened in *here...*

## How would it change what you do out *there?*

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# ICEBlueButton®

The QR Code Powered ICE App



**ICEBlueButton allows anyone to easily create an ICE (In Case of Emergency) record on their smartphone** with easy entry of emergency medical data and contact information, and automated data feed from online Blue Button health records. Once the ICE record is created, the app generates a QR code unique to the individual and a 4-digit numerical code to unlock access to the individual ICE record. The QR code can be saved on a phone lock screen, or printed on stickers applied on a child's bike helmet or skateboard or a magnet on the fridge of an elderly person's home.

**In an emergency situation, EMS and other medical personnel or attending bystanders can immediately access the ICE record by scanning the ICEBlueButton QR code** with any widely available QR code scanner.

**When activated, ICEBlueButton automatically generates an email and SMS Auto-Alert** to your emergency contacts listed in your app, with the name of the person involved in the emergency and a map with the location of the emergency.



Coming  
at the  
End of  
November



[www.icebluebutton.com](http://www.icebluebutton.com)



# CONNECTING HOSPITALS AND EMS

- Improve your data quality and reporting capabilities
- Expand your functionality
  - Support multiple platforms for field data collection
  - Integrate Trauma, STEMI, Stroke, Burn data
  - Include Patient Tracking features with EMS data collection
- Integrate hospital and EMS data in your HIE



# The responsive emergency team delivers exceptional CPR

And they choose Physio-Control  
to make it happen.

Today's responsive emergency team is always looking to elevate the level of care they deliver, and they rely on evidence and data to get them there. With the CPR Solution from Physio-Control, they have the science-based, Guidelines-consistent tools they need to respond better to patients—and the demands of constant performance improvement.

## **TrueCPR™** COACHING DEVICE **NEW**

real-time and post-event CPR performance feedback

## **LUCAS® 2** CHEST COMPRESSION SYSTEM

uninterrupted hands-free compressions

## **CODE-STAT™** DATA REVIEW SOFTWARE

featuring comprehensive CPR analytics

## **LIFEPAK® 15** MONITOR/DEFIBRILLATOR

with capnography and CPR Metronome

Get ready for a more responsive approach to CPR.  
[physio-control.com](http://physio-control.com)





# The HL7 Exchange From ZOLL

Now we're talking...

EMS has a greater demand to communicate electronically with their affiliated health care organizations. To meet this need, ZOLL has worked closely with the NEMSIS and HL7 to develop a standardized solution that allows EMS

and the greater healthcare world to talk. Based on the next version of NEMSIS, and the newest HL7 standards, ZOLL has built a solution that EMS can use to pass their transport data to hospitals in a language they understand - HL7.



## How it works

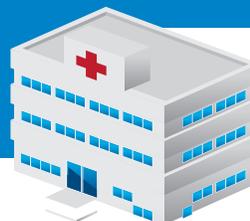
### STEP 1

The Patient Care Report is created and sent to the HL7 ePCR Extract



### STEP 2

The HL7 record is created and can include a PDF of your PCR for use in an HIE or hospital (or both).



### STEP 3

The HL7 data from EMS is available and is sent automatically to any receiving hospital.

### Completing the healthcare picture

- Facilitate communication between EMS and the Hospital using a common language
- Direct data exchange, no middle man needed
- Utilize the latest HL7 standard so there are no language barriers
- Use of HL7 standards allows EMS to become an integral piece of the larger healthcare system

### To learn more visit:

[connect.zolldata.com/HL7-HIE](http://connect.zolldata.com/HL7-HIE)



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### A more effective way to communicate

- Electronic transmissions are more secure and reliable
- No more illegible reports
- No more missing faxes

Future iterations of the solution will include the ability to find out patient outcomes from the hospital and measure EMS protocol effectiveness.

### ZOLL is proud to partner with industry experts including:

- Health Level 7 (HL7) International
- NEMSIS Technical Assistance Center
- Dr. Greg Mears, Medical Director and principal investigator for NEMSIS

### To learn more visit:

[connect.zolldata.com/HL7-HIE](http://connect.zolldata.com/HL7-HIE)

# Thank You!



EMSA would like to thank CalOHII for their support of the HIE project and this summit. Their willingness to explore this topic with our EMS stakeholder and open the avenues for valued discussion in assisting with the continued effort to improve patient care in the pre-hospital setting.



EMSA would like to thank the Westin, Los Angeles Airport Hotel and Resort staff for their expertise and professionalism in delivering first-rate summit planning and support. Their thoughtful and generous nature resulted in a successful event, long-before summit attendees arrived.

