LifeBot® - Breaking News - EMS Emergency Telemedicine Telepresence Teletriage and Telestroke

LifeBot

Connect. Communicate. Collaborate. Save Lives. *tm*

emergency preparedness and telemedicine e-newsletter
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leading news story:

Exclusive ▶ LifeBot® TeleTriage and EMS Telemedicine
The Formula for Saving EMS Providers and Hospitals Millions…

A report by the Controller of the City of Philadelphia projects savings of $2.5 million annually for city EMS services through the deployment of nurse teletriage systems. A previous report by Dallas EMS similarly indicated a reduction in emergency transports of 20% to 30%. Nonemergent medical 911 calls are routed to a teletriage call center to prioritize dispatches for much increased efficiencies. Resources are redirected to true emergencies decreasing response times and significantly increasing the quality of patient care. This may significantly reduce hospital ED over-crowding and over-utilization. Similar teletriage systems in Europe and Canada have demonstrated millions in savings for many years. *view more..*

"The diversion of non-emergency calls to a qualified nurse will save the Philadelphia Fire Department (PFD) as much as $2.5 million annually by increasing productivity and reducing the wear-and-tear on vehicles and equipment, as well as reducing stress on personnel.", City of Philadelphia Controller Lifting the Burden on Emergency Medical Services more…

"The cost of not having telemedicine thus was estimated to average $370,000 per annum for the rural hospitals. Communities with larger hospitals (2,000 or more patient encounters per month) would be forgoing over $500,000 per year if telemedicine were not offered.", USDA Broadband Report, 08/2009 more…

"The United States economy could save $197 billion over 25 years by implementing policies that support remote monitoring and other telemedicine technologies. A failure to encourage healthcare providers to take advantage of telemedicine would cut the projected savings by almost $44 billion.", Kaufman Foundation and Brookings Institute more…

"Residents of major metropolitan areas should expect most ambulances to have mobile video and data links within a decade.", Jonathan Linkous, CEO of the American Telemedicine Association more…

"I think five years is more reasonable. It should be part of our practice.", Rifat Latifi, M.D., Director of Telemedicine, University of Arizona. more…

"In order to receive the benefits of telemedicine, electronic health care records,and other healthcare benefits, health providers must have access to underlying broadband infrastructure." JAC Report to 9/11 Commission, Kevin Martin, FCC Chairman more…

The Formula ▶ LifeBot® Systems for Teletriage and EMS Telemedicine

LifeBot® provides exclusive patented EMS telemedicine and teletriage solutions and digital collaborative systems to eliminate disparate communications issues during emergencies with full interoperability. LifeBot® integrates next generation broadband capabilities not inherent in today's interoperative digital radio and telephone communications so the benefits of achieving

telemedicine, and emergency preparedness objectives may all be fully realized in one system for the first time. This formula provides an exclusive opportunity for providers to save millions. These savings may be initiated at substantially reduced startup costs through use of Stimulus, DHS, HRSA, and State grants for widespread full-scale deployments. view more..

LifeBot® starts with the most powerful patented communications workstation ever made… a single workstation powerful enough to multitask broadband EMS telemedicine, teletriage, teletrauma, telestroke, and communications with 911 dispatch or field ambulances over P25 700 MHz and 800 MHz digital communications, telephone and cellular systems. view more..

TeleTriage Decision Software: Rapid Safe Clinical Decision Support

Essential to highly efficient teletriage is Teletriage Decision Software. The software not only enables rapid accurate decisions in just minutes, but also intelligently guides encounters using standards of patient care.

Concise record keeping is automatic. Clinicians follow their normal consultation methods and always retain full control. It encourages open questioning of the patient, presenting all details gathered throughout the assessment. Data may be added in any order, to suit the specific needs of each consultation.

Teletriage decision software has already been utilized for some years in Europe causing substantial savings for major health care providers. It is utilized for teletriage, ED encounters, and even in the prehospital area on board ambulances.

Prehospital EMS Treat and Release:
Teletriage decision software has been used for nonemergent Basic Life Support(BLS) calls in Europe. One ambulance prehospital provider saved more than $3 million in just one year. The sofware paid for itself in just one month of use. view more..

business partner

HD-TV Video-Conferencing: Telemedicine for Remote Monitoring and Prehospital EMS

The Kaufmann Foundation and the Brookings Institute indicate telemedicine and remote patient monitoring could save the U.S. $175 billion over the next 25 years.

Studies from the Oklahoma State Telemedicine Program indicate the average rural hospital can save $370,000 annually utilizing telemedicine and larger institutions may save $500,000 or more.

A Price Waterhouse Coopers consumer survey concluded that half of consumers would be willing to get healthcare online or through other computer technology instead of face-to-face care for non-emergency visits.

The above prehospital savings may be combined with this additional hospital savings of millions using LifeBot® patented emergency phone teletriage and telemedicine systems.

LifeBot® now makes available high resolution video-conferencing software for teletriage and emergency telemedicine. Video sessions may be viewed and/or recorded capturing early symptoms of heart and stroke. Trauma surgeons or neurologists may conference live or recorded video sessions may be forwarded to them for rapid assessment. These same systems also offer physiological remote monitoring of patients in the home or business settings. *view more...*

Broadband Grants :- The Need for Wireless Broadband Grants

A common concern exists by many today over the use of commercial publicly shared 3G wireless networks for disaster and emergency preparedness. It is likely that such systems may be overloaded or unavailable during a major event.

LifeBot® partners supply next generation private broadband for public safety and hospital use. Management expertise and business models have been developed for the deployment of efficient cost effective high capacity broadband systems especially designed for patient transport corridors and mobile vehicular ambulance and law enforcement use.

These partners also supply assistance for grant applications for rural broadband and interoperative communications related DHS, HRSA, HealthIT and State grants **so that the above savings may be realized sooner rather than later**.

These systems, once deployed, provide for redundancy for P25 700 MHz and 800 Mhz communications systems and supply high capacity mobile broadband data bandwidth not present within these systems. *view more...*

About :- Almost Four Decades of Experience Counts!

R. Lee Heath, the founder of of LifeBot®, is best known as the inventor making possible the modern Automatic Heart Defibrillator (AED). He has installed and/or managed emergency life support communications and telemedicine deployments for more public safety and health care institutions than any other organization nation-wide during the last 37 years. His new and essential patented technologies, now under development for more than eight years, and life-saving systems are expected to save hospitals, emergency providers and law enforcement millions in the near future. *view more...*

Bibliography :- Reference Materials

TeleTriage may save millions...

• *Tele-Nursing: Lifting the Burden on Emergency Medical Services* Controller of the City of Philadelphia - April 2009 : Estimates that the city may save $2.5 million annually implementing teletriage systems. *view...*

• *Call Screening in Dallas: Triage with Care* Journal of Emergency Medicine (JEMS), February 1983 "Dr. Clawson calls the nurse screening approach the "Cadillac" of selective dispatch philosophies. We asked Leilani Starks, RN, coordinator of the Dallas Fire Department's call screening program, to describe the system there and the special challenges

it presents." [view..](#)

• [Telephone Triage: The Quiet Revolution in Canada](#) *O'Hanley, Telemedicine Journal and e-Health - March 2004 : "The computer revolution has for almost a decade been central to a nursing revolution known as telephone triage. The registered nurse can be virtually out in any community to help patients and their caregivers make informed decisions on appropriate emergent intervention and the venue commensurate with the determined level of necessity." This Canadian system handles 100,000 calls a month with 300 nurses. It has handled over 7 million calls for over 10 years without any significant patient legal issues.* [view..](#)

• [ED Telephone Triage: Gridlock or Access](#) *Sheila Wheeler : "Timely and appropriate access to care in the emergency department (ED) setting is a problem which has reached crisis proportions. Overcrowding (too many clients) and overutilization (innapropriate and unnecessary ED visits) impede access to healthcare services, sometimes barring those who genuinely need emergency care."* [view..](#)

• [The Case for Publicly Funded Medical Call Centers](#) *Schmidt, Hertz, : "60% - 80% of pediatric ED visits are nonurgent or unnecessary (an office visit the next day or self care would be safe and effective). The unnecessary visit rate is lower for adults."* [view..](#)

• [The Future of Telepractice](#) *Bio-medicine, Sheila Wheeler, October 2006 : "...in the future, many will practice from large national call centers. In these "mega call centers", nurses may serve as the coordinator from the "hub" of an integrated computer and phone system -- a network of phone-based health care services, calls ranging from crisis level to information-based and from telemedicine and internet based service to "POTs" -- "plain old telephone" lines. "* [view..](#)

• [NASEMSO Input to NHTSA Strategic Plan - Docket No. NHTSA-2009-0171](#) *January 4, 2010, Docket from National Association of State EMS Officials, mentioning LifeBot® EMS Workstation by name, that addresses major issues in safety for EMS and first responders. Obviously, if EMS emergency responses may be lowered significantly, as indicated by the teletriage documents above, then this safety for providers may be substantially increased. Costs would not only be reduced for EMS, but law enforcement responders as well.* [view..](#)

• [Tele-Nursing - A Revolution?](#) *Ian St. George and Michelle Branney, Healthline, "The coincidence of sophisticated software and critical mass of skilled nurses sets the scene for innovation... Telenursing should become a career path for nurses..."* [view..](#)

Telemedicine may save millions more…

• [Telemedicine and Remote Monitoring Could Save $197 billion](#) *Kaufman Foundation - January 2010 : Report by Kauffman Foundation and Brookings Institute economist Robert E. Litan. "Remote monitoring can spot health problems sooner, reduce hospitalization, improve life quality and save money," The United States economy could save $197 billion over 25 years by implementing policies that support remote monitoring and other telemedicine technologies. A failure to encourage healthcare providers to take advantage of telemedicine would cut the projected savings by almost $44 billion* [view..](#)

• [Survey: Consumers psyched about telemedical remote monitoring](#) *"A new survey by PricewaterhouseCoopers concluded that almost three-fourths of U.S. consumers say that they'd use telemedical services, which they defined as remote monitoring to track their condition and vital signs…. Researchers concluded that half of consumers would be willing to get healthcare online or through other computer technology instead of face-to-face care for non-emergency visits."* [view..](#)

• [Broadband Internet's Value for Rural America.](#) *USDA - Economic Research Report - August 2009 "The cost of not having telemedicine thus was estimated to average $370,000 per annum for the 24 rural hospitals. Communities with larger hospitals (2,000 or more patient encounters per month) would be forgoing over $500,000 per year if telemedicine were not offered." Obviously for groups of hospitals or large provider organizations this means millions in savings regionally.* [view..](#)

• [Predicted utilization of emergency medical services telemedicine in decreasing ambulance transports.](#) *Prehospital Emergency Care, Haskins, Mayrose - 12/2002 "Use of EMS telemedicine could result in an approximately 15% decrease in ambulance transports when it alone is added to the prehospital care provider's armamentarium. Emphasis for implementation should be placed on younger patients and an identified subset of chief complaints conducive to management using telemedicine."* [view..](#)

• [National Telemedicine Initiatives: Essential to Healthcare Reform](#) *Telemedicine and eHealth, American Telemedicine Association - July 2009 "...telemedicine offers significant opportunities to address the issues of inequities in access to care, cost containment, and quality enhancement." This paper by top telemedicine authorities illustrates where substantially more savings may be realized beyond the above references.* [view..](#)

Emergency Preparedness and Disaster Relief…

• [JAC Report to Congress and the 9/11 Commission](#) *12/2002 Kevin Martin, FCC Chairman - February 4, 2008 "In order to receive the benefits of telemedicine, electronic health care records,and other healthcare benefits, health providers must have access to underlying broadband infrastructure." This report and recommendations from some of the nation's most*

prominent officials also recommends IP based communications. The LifeBot® EMS Workstation is the only such IP based VOIP workstation available. view..

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