

# Virginia Telehealth Initiative Consensus Conference

## “Developing a Vision and Strategic Plan for Telehealth in Virginia ”

Thursday, May 26, 2005  
Natural Bridge Conference Center  
Natural Bridge, Virginia

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## **Dr. Kathy Wibberly**

Kathy has been with the Virginia Department of Health (VDH) as a Senior Policy Analyst in the Office of Health Policy and Planning since November 1995. Kathy is responsible for: 1) evaluating VDH programs for their effectiveness and impact and conducting statistical and behavioral research in areas which impact the quality of public health; 2) researching and analyzing policy issues; 3) managing projects; and 4) providing consultation and training to staff and others in the general community on the above areas. Specific areas of responsibility include chair of the VDH Institutional Review Board, coordinator of the Virginia State Planning Grant, evaluation of the Virginia Abstinence Education Initiative, member of the agency Distance Learning Committee, coordinator of the Virginia Telehealth Network, and policy reviewer during General Assembly. Additionally, Kathy is a graduate from the Management Academy for Public Health where she worked with a team to develop a business plan for a project that will build the capacity of health care providers to deliver culturally and linguistically appropriate health care services. Kathy is presently working on a number of efforts related to this issue throughout the state.

Kathy received her B.A in Psychology with minors in pre-medicine and youth services from Gordon College in Wenham, MA. She then went on to graduate school, where she received her doctorate in Counseling Psychology from Virginia Commonwealth University. Her specialization was in Group Interventions. Areas of particular interest included family, cultural, and religious issues in preventive health. Before coming to VDH, Kathy was a Certified Prevention Specialist and worked at the District 19 Community Services Board where she developed and implemented a comprehensive prevention program for pregnant and parenting teens and their children. She also worked extensively on program evaluation and community coalition development issues. Kathy also has professional work experience as an individual and group therapist in a variety of settings, including community mental health, adult and juvenile corrections, and private practice.

## **Dr. Pete Williams**

Dr. Williams has comprehensive experience in program and project management and business development. He has extensive profit/loss experience being totally responsible for the functional, technical, and financial management of complex IS/IT tasks. For instance, in the Health Industry, he has managed information systems projects, multidisciplinary technical and functional staffs, electronic communication projects, process improvement projects, programs and budgets, and cost analyses. He has led multidisciplinary technical and functional staffs through systematic evaluations of information system and healthcare processes for an integrated health care delivery system as well as a recent comprehensive analysis of the strategic IT infrastructure of a the Veterans Health Administration (VHA). He also has recently led a world-wide pre-implementation of a Medical Human Resources System at over 650 sites and 170,000 users. A major portion of that responsibility was training the trainers to ensure they understood the functional business processes from a service specific perspective.

Dr. Williams is an Adjunct Professor, Department of Nursing and Health Systems, Georgetown University. In this position Dr. Williams has developed undergraduate and graduate level courses in the "Introduction to Healthcare Information Systems". Dr. Williams' course material introduces the non-technical health professional to the nuances of the design, development, acquisition, and managing health information systems.

Dr. Williams holds a second adjunct position as an Associate Professorial Lecturer, Department of Management Science, School of Business and Public Management, The George Washington University. He developed and designed a course curriculum for a required master's level course that gives Information Systems professionals realistic businesses views of IS management issues. Dr. Williams' course material presents management issues in an Information Systems environment familiar to the IS professional.

His Ph.D. is in Health Services, with a supporting field of study in Organizational Behavior. As a doctoral candidate, he developed a model of health care utilization from the perspective of the patient. He then compared alternative systems, the findings of which suggested policy intervention to more effectively manage patient demand, expectations, and behavior.

Dr. Williams serves his community in several capacities to include being the President, Health Information Management and System Society (HIMSS)-National Capital Area Chapter (July 2003- June 2005). He was recently appointed to the HIMSS Advocacy and Public Policy Committee (July 2005-June 2007). Dr. Williams is a Fellow in the American College of Healthcare Executives. Dr. Williams is also a committee member of the Andrews Federal Credit Union Board.

## **Dr. Jay H. Sanders**

Jay H. Sanders, M.D. is President and CEO of The Global Telemedicine Group, Professor of Medicine at Johns Hopkins University School of Medicine (Adjunct), and a founding board member of the American Telemedicine Association where he serves as President Emeritus .

Dr. Sanders has served on the NASA Biological and Physical Research Advisory Committee, as a consultant to the NASA Space Communication Center and the Scientific Director for the NASA Medical Informatics and Technology Applications Commercial Space Center.

He is a consultant to the Army's Telemedicine and Advanced Technology Research Center (TATRC) at Ft. Detrick, and previously served as a consultant to the Air Force Center for Telehealth and Theater Informatics, and was a member of the Department of Defense Telemedicine Board of Directors with the Surgeon Generals of the Army, Navy, and Air Force.

Dr. Sanders serves as a consultant to the Southern Governors' Homeland Security Telehealth Anti-bioterrorism Task Force, is the Principal Investigator of a grant from the Office of the Secretary of Defense related to First Responder education and standards, and is co-editing a book on Military and Civilian First Responder education and response.

During the Clinton Administration he directed the U.S. telemedicine initiatives to the G-8 nations, has been a consultant to the World Health Organization on Health Telematics, and now serves as a consultant to the Russian Telemedicine Foundation.

He is a consultant to Vesalius Ventures, a Venture Capital Firm focusing on telehealth, medical informatics, and medical sensors, and was a consultant to Columbia University School of Medicine and their Center for Advanced Technology, and was formerly Visiting Professor at Yale University School of Medicine and Professor of Medicine and Surgery and Director of the Telemedicine Program at the Medical College of Georgia, where he held the Eminent Scholar Chair in Telemedicine.

Dr. Sanders is a member of the Executive Committee of the Board of Directors of the Federal Communications Commission Universal Service Administrative Corporation, and was formerly Chairman of its Rural Health Care Committee. He also serves on the Executive Committee of the Board of Directors of the Friends of the National Library of Medicine.

He served on the Southern Governors Association Task Force on Medical Technology, the FCC Telemedicine Advisory Committee, and the Institute of Medicine/National Academy of Science Telemedicine Evaluation Committee.

Dr. Sanders earned his medical degree from Harvard Medical School Magna Cum Laude and was a member of AOA. He did his residency training at the Massachusetts General Hospital in Boston where he became Chief Medical Resident, and did a research fellowship in Immunology at the National Institutes of Health. Following residency training, Dr. Sanders joined the University of Miami School of Medicine where he initiated the concept and established the first Division of General Medicine in any Academic Medical Center. As Chief of that Division, he also headed the Medical Intensive Care Unit, the Medical House Staff Program and the Medical Division of the Emergency Department. He subsequently attained the rank of Professor of Medicine and was Chief of Medicine at Jackson Memorial Hospital, the largest teaching hospital in the Southeastern United States.

Dr. Sanders has spent the majority of his professional career involved in teaching, patient care and health care research. He has spent over 30 years in the development and implementation of telecommunications and information technologies as a means of addressing the problems relating to quality, cost and access to care that now plague our health care system. He designed the telemedicine system for the State of Georgia that interfaces with rural hospitals, public health facilities, correctional institutions, ambulatory health care centers, military bases and public school classrooms. He initiated a project at the Medical College of Georgia that provided the first "electronic house calls" in which patients are cared for in their homes and the elderly in nursing homes. The author of numerous articles on telemedicine, he is a Senior Editor of the Telemedicine and e-Health Journal, Deputy Editor of the International e-Health Journal, and has served on the editorial boards of the Telemedicine Newsletter, Telemedicine Report, The Telemedicine Connection, Telemedicine and Telehealth Networks and Telemedicine and Virtual Reality. He is also an editor of the recent book, "Telemedicine: Theory and Practice" a Charles C. Thomas publication. Dr. Sanders is a consultant for many academic, governmental, public and industrial organizations nationally and internationally.

## **Jon Linkous**

Jon Linkous is the executive director of the American Telemedicine Association (ATA), the largest membership-based organization in the world focusing exclusively on providing health and medical care through telecommunications technology. ATA's annual meeting and trade show are among the fastest growing in the country. The Association advocates for changes in public laws that promote the deployment of telemedicine throughout the world. As the chief staff executive of ATA, Mr. Linkous has spoken and written extensively in the U.S. and in other countries on policy issues, emerging applications and market trends affecting telemedicine. Mr. Linkous has over 20 years experience in the nation's capital working in corporate and public sectors. He served as a senior consultant with Issue Dynamics Inc. (IDI), a Washington DC consulting firm specializing in telecommunications and technology policy. While at IDI, Mr. Linkous assisted in the early formation of ATA. For five years he was a leader in the aging services community as the Executive Director of the National Association of Area Agencies on Aging. His principle interest in this position was in using telecommunications and adaptive technology to assist older Americans and their caregivers. Mr. Linkous was also involved for many years in regional planning and economic development, serving as the Deputy Executive Director of the National Association of Regional Councils and at the Appalachian Regional Commission as Director of District Programs. In his early career, he was also active in broadcast and cable television in Ohio. Mr. Linkous holds a Masters of Public Administration from the School of Government and Public Affairs at the American University in Washington, D.C. and a B.S. degree in Business Administration from Franklin University in Columbus, Ohio with additional postgraduate work

## **Barbara Demuth**

Barbara Demuth has served as the Assistant Director for Telehealth for CERMUSA at Saint Francis University since 1998. Her duties include directing the development and implementation of CERMUSA's entire Telehealth program while providing assistance in the establishment of medically oriented distance learning projects. During her 20 years of experience within the field of Nursing, Ms. Demuth has occupied a variety of positions that have provided her with a diverse professional background. She has extensive knowledge in the development of standard process models, system requirements and testing, and quality assurance activities. Ms. Demuth's educational credentials include a Master of Science in Nursing from Pennsylvania State University and a Bachelor of Science in Nursing from West Virginia Wesleyan College.

## **Conrad A. Clyburn, MS**

Mr. Clyburn is currently serving as the Special Assistant to the Director at the Telemedicine and Advanced Technology Research Center, U.S. Army Medical Research and Materiel Command, Fort Detrick, Maryland.

Under an Intergovernmental Personnel Agreement (IPA) between Georgetown University and the Department of Defense (DoD), Mr. Clyburn served as the Director of Program Integration and Planning and developed and implemented program management, prioritization and resource allocation management systems for over 50 DoD basic and applied research, concept development and rapid prototyping medical advanced technology projects. He is responsible for the strategic integration of the DoD telemedicine Research and Development portfolio and was the principal author of the DoD Joint Science and Technology Plan for Telemedicine. He also advises the Director of the Telemedicine and Advanced Technology Research Center on the future strategic directions and research trends in Teleradiology, Picture Archiving and Communications Systems, Image Processing, 3D Visualization, Pre-operative Surgical Planning, Minimally Invasive Therapies, Telerobotics, clinical applications of Telemedicine, Medical Informatics, Patient Data Security, and medically focused Computer Supported Collaborative Work technologies.

As Program Integration and Planning Director, he was also responsible for the programmatic oversight of 22 special interest telemedicine programs.

## **Dr. Azhar Rafiq**

Dr. Azhar Rafiq, Assistant Professor in Department of Surgery, is the Chief Scientific Officer for NASA's Research Partnership Center at Virginia Commonwealth University (VCU), Medical Informatics and Technology Applications Consortium (MITAC).

He graduated from St George's University School of Medicine in 1990 and joined the Department of Neurology at VCU. During his research fellowship, Dr Rafiq established a track record for work in mechanism of Status Epilepticus and traumatic brain injury. His efforts established an in vitro model for Status Epilepticus with focus on neural pathway mechanisms. In 2001, Dr Rafiq joined Medical Informatics and Technology Applications Consortium (MITAC) as a faculty member in the Department of Surgery. Dr Rafiq completed his Executive MBA program at VCU in 2003 and was named Chief Scientific Officer for MITAC. Dr Rafiq has authored numerous manuscripts, book chapters, and abstracts in the arena of telemedicine, robotics in surgery, and integration of technology in medical education.

For over 14 years Dr Rafiq has been involved in various aspects of the design, development, and implementation of clinical research to improve health care. He has worked to integrate technological advances into virtual reality and simulation training protocols for laparoscopic surgery and medical informatics for telemedicine. Dr. Rafiq has achieved success with clear vision for telemedicine, creation of strategic visions and active management of team professionals.

## **Dena Puskin, ScD**

Dr. Puskin is the Director of the Federal Office for the Advancement of Telehealth. Prior to her current position, Dr. Puskin served as the Acting Director of the Federal Office of Rural Health Policy (ORHP). Dr. Puskin has assumed many leadership positions within and outside of government. Prior to joining ORHP in 1988, Dr. Puskin was a senior analyst at Congress's Prospective Payment Assessment Commission, where she developed the model for annual updates of Medicare payment rates to hospitals and worked on numerous economic issues related to rural hospitals and specialized hospitals in the U.S. (psychiatric, rehabilitation, and chronic disease hospitals). From 1982-1988, she was employed by the Blue Cross/Blue Shield Association as a senior legislative analyst in Washington D.C. Dr. Puskin served as the Research Director at the Finger Lakes Health Systems Agency and as Assistant Professor of Community Medicine at the University of Rochester School of Medicine and Dentistry from 1977-1981

Dr. Puskin currently chairs the Joint Working Group on Telemedicine, the Federal interagency committee coordinating the development of telemedicine initiatives across the Federal government, and within the Department of Health and Human Services. Dr. Puskin spends considerable time speaking at national forums and writing academic papers and reports on telehealth, rural health, and health care financing issues. In the past year, she has given over 20 speeches and published numerous papers on telehealth.

Dr. Puskin received her Sc.D. degree in Health Policy and Research from Johns Hopkins University, a M.S. degree in Community Medicine from the University of Rochester, School of Medicine and Dentistry, and B.A. and M.A. degrees in Biology from Boston University.

## **Dr. Pete Williams**

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## **Debbie Justis, RN, MSHA**

Debbie Justis, B.S.N., R.N., M.S.H.A. is currently the Nurse Clinician in Ambulatory Care for Virginia Commonwealth University Health System. She oversees development of clinical telemedicine projects. Current projects include international and domestic consultation services in conjunction with the Medical Informatics Technology and Applications Consortium (MITAC), a NASA Commercial Space Center and the Department of Surgery at VCU. Other projects include real-time telemedicine between VCUHS and the Virginia Department of Corrections and the development of a rural telemedicine network in rural Eastern Virginia.

Debbie holds a faculty appointment within the Department of Surgery, and the Department of Emergency Medicine at the VCU School of Medicine. Debbie has an extensive clinical background in intensive care nursing and home health nursing as well as administration. She has both business and management experience from working as a director of a home health agency.

## **Lisa Kaplowitz, MD, MSHA**

Dr. Kaplowitz has been the Deputy Commissioner for Emergency Preparedness and Response (EP&R) at the Virginia Department of Health (VDH) since August, 2002, responsible for the development and implementation of Virginia's public health response to all natural and man made emergencies. She is trained in Internal Medicine and Infectious Diseases and directed the HIV/AIDS Center of Virginia Commonwealth University (VCU) for 20 years. She was a health policy fellow in the United States Senate in 1996-1997, and received her Masters in Health Administration degree from VCU in 2002. DR. Kaplowitz played a key role in the establishment of the VCU Telemedicine Program and from 1998 to 2002, she was the Medical Director of program, with a focus on providing care via telemedicine within the Virginia Department of Corrections. From 2000 to 2002, she was also Medical Director of Ambulatory Care for the VCU Health System. Dr. Kaplowitz has strong interests in public health and emergency preparedness, as well as in health policy, health care financing and improving access to health care.

## **Dr. Karen Rheuban**

Karen S. Rheuban, M.D. currently serves as Professor of Pediatrics (Pediatric Cardiology), Associate Dean for Continuing Medical Education and External Affairs and Medical Director of the University of Virginia Office of Telemedicine. In addition to providing clinical services to patients, both inpatient and outpatient, Dr. Rheuban oversees a large continuing medical education program that includes educational services delivered via on-site lecture or videoconferencing formats, as well as computer-assisted instructional materials and web-based on-line continuing education activities.

The Office of Telemedicine at the University of Virginia was developed to link healthcare professionals with the University's clinical consultative, professional healthcare education and patient education services. UVA currently provides telehealth services to 57 sites in the Commonwealth of Virginia, including community hospitals, rural clinics schools and correctional facilities. We have been awarded federal grants from HRSA, NTIA, USDA and numerous corporate and foundation grants to deploy this robust telemedicine network. To date nearly 7100 consultations have been facilitated through this network and thousands of hours of health professional and patient education.

Dr. Rheuban has provided Congressional testimony on the use of telemedicine technologies both before the House Commerce Committee Subcommittee on Health and the Agriculture Committee. She has been awarded recognition in the database "Best Doctors in America" and in 2003 was awarded recognition by the National Library of Medicine program as one of our nation's outstanding female physicians in the exhibit "Changing the Face of Medicine: Celebrating America's Women Physicians". She has served as the treasurer of the American Telemedicine Association and is a board member of the Center for Telemedicine Law.

## **Dr. Dixie Tooke-Rawlins**

Dr. Dixie Tooke-Rawlins graduated from Truman University (formerly Northeast Mo. State) in 1976. Dr. Tooke-Rawlins received a Doctorate of Osteopathic Medicine from Kirksville College of Osteopathic Medicine in 1980 and completed her postgraduate work at Grandview Hospital in Dayton, Ohio. Dr. Tooke-Rawlins practiced and held board certification in Emergency Medicine for seven years of her early career. In 1988 Dr. Rawlins entered the field of Family Medicine and became board certified in Family Medicine by the American Board of Osteopathic Family Practice in 1991. In 1997, Dr. Rawlins received fellowship status for her accomplishments from the American College of Osteopathic Family Physicians. Dr. Tooke-Rawlins completed a Faculty Development Fellowship at Michigan State University in 1994. Dr. Tooke-Rawlins holds an academic title of Professor in the Department of Family Medicine.

Dr. Tooke-Rawlins has served as the Administrative Officer principal to the founding of the Edward Via Virginia College of Osteopathic Medicine. Dr. Rawlins holds the position of Vice President and Dean. Prior to this appointment she held the position of Interim Dean at Kirksville College of Osteopathic Medicine (KCOM) in Kirksville, Missouri.

From 1998 through 2000, Dr. Tooke-Rawlins served as the Associate Dean for Academic and Clinical Affairs at KCOM. From 1996 through 1998, Dr. Tooke-Rawlins was the Director of Osteopathic Medical Education at St. Luke's Hospital in Allentown, Pennsylvania, and the Program Director of the Osteopathic Family Practice Residency. Prior to 1996, Dr. Tooke-Rawlins served as the Family Practice Residency Director at Metropolitan Hospital in Grand Rapids, Michigan.

Dr. Tooke-Rawlins served for four years as a member of the Council on Predoctoral Education of the American Osteopathic Association. Dr. Tooke-Rawlins was a member and Vice President of the Missouri Area Health Education Centers' Operational Board, where she received an award for her commitment to the development and growth of the program.

Dr. Tooke-Rawlins has served in other leadership roles throughout her career including Inspector for Clinical Education in Osteopathic medical colleges for the Predoctoral Division of the AOA, Inspector for AOA Family Practice Residency Programs, and as Team Chair for Inspections of Osteopathic Postdoctoral Training Institutes for the AOA. Dr. Tooke-Rawlins also serves as a Delegate to the House of AOA,

Dr. Rawlins now serves on the Board of the Virginia Rural Health Resources Network as well as the Board of the Medical History Foundation. She also serves on the Board of Governors of the American Association of Colleges of Osteopathic Medicine, the Dean's Committee for the Salem Veterans Medical Center and is on the 4-M (Medical Schools) Group of Virginia. In addition, she is on the Board of Directors of the Montgomery Regional Hospital in Blacksburg, Virginia, as well as the Board for Virginia Tech Intellectual Properties. In 2004, Dr. Rawlins was recognized with the Northrup Award, recognizing her as the Teacher of the Year, from the National Student Osteopathic Medical Association. Earlier this year, Dr. Rawlins was awarded the American Medical Women's Associate Local Legends tribute. She was nominated for this honor by Congressman Rick Boucher.

Dr. Tooke-Rawlins sat on the Osteopathic Post Graduate Training Institute of the Kirksville Governing Board and was a member of the Interim Planning Board of Governors for the Northeast Osteopathic Medical Education Network. Past positions held were Advisory Board for the Physician Assistant Program at Grand Valley College in Grand Rapids, Michigan, Missouri State Drug Utilization and Review Committee, Professional Education and Nominating Committee of the Missouri Chapter of the American Cancer Society, State Drug Task Force for Southeast Missouri on Narcotics and Dangerous Drugs, President of the Missouri Chapter of the Kirksville Osteopathic Alumni Association, Chief of Staff at Scotland County Hospital, Convention Committee for the Missouri Osteopathic Association Convention, Member of the Task Force on Rural Health Education.

Dr. Tooke-Rawlins is a member of the AOA, the American College of Osteopathic Family Physicians, and the Association of Osteopathic Medical Directors. Within KCOM, Dr. Tooke-Rawlins has served as Chair of the Assessment Committee, the Graduate Medical Education-OPTIK Committee, Promotion and Tenure, and was a member of the Faculty Affairs Committee and the Curriculum Committee. While at St. Luke's Hospital, Dr. Rawlins served on the Graduate Medical Education Committee, the Credentials Committee, the Continuing Medical Education Committee, and the Strategic Planning Committee for Graduate Medical Education. While at Metropolitan Hospital, Dr. Tooke-Rawlins served on the Medical Education Committee and the Library and Education Resources Committee. Dr. Rawlins was the Medical Director and instrumental in the development of the

Womancare Center, a health education and cancer screening center for St. Francis Hospital in Cape Girardeau, Mo. During her career Dr. Rawlins has also served as the Director of Sports Medicine at KCOM and Truman University in 1992 through 1994. Dr. Rawlins has committed much of her time to community service, providing free prenatal care in the Stoddard County and New Madrid County Prenatal Clinics from 1981-1986 and later at the Clark and Adair Counties from 1990-1994. Dr. Rawlins has also served as a Medical Monitor for the Texas Armor and Engineer Board, Reconnaissance Squad Operations Test Research for M.O.P. 4 gear in Fort Knox, Kentucky, where she was awarded a certificate for professional excellence in 1986. Dr. Rawlins has a special interest in Rural Medicine and Rural health and has focused much of her career and research in that arena.

## **Travis Jackson**

Travis Jackson is the Area Director for USDA Rural Development where he offers program services co Central Virginia. He has had 26 years of experience with rural development and is recognized as one of the top program administrators in the Nation. He is also a designated National Trainer for programs.

**Steve Gillis**

Steve Gillis is a principal at Telehealth Solutions Group, LLC, a consulting firm which assists public sector organizations and private clients in the design, development and implementation of telehealth networks and applications. He has over 10 years of technical and managerial experience in health information technology, telecommunications and consulting. He is currently co-principal investigator of a Cooperative Research and Development Agreement (CRDA) with TATRC for commercialization of military medical technology. In addition to his professional experience, Mr. Gillis holds a Masters of Science in Information Systems Technology degree from the George Washington University.

## **Peter Buccellato**

Peter Buccellato is a retired Air Force officer, Vietnam Veteran, and Chief Executive Officer of the Medical Information Technology Acquisition Support Services Company called The Knowledge Providers Group better known as KPG. He holds a Bachelor's of Science Degree and over thirty years experience working within the Engineering, Information Technology, and Telecommunications arena. Mr. Buccellato brings to KPG a well-rounded individual who possess specific expertise in Program Management, Operations, and Acquisition of Computer, Electronic, and Telecommunications Systems.

Since leaving the Air Force in 1990, Mr. Buccellato has provided Information Technology and Telecommunications Support , Guidance, and Direction to clients in Florida, Maryland, Missouri, New Mexico, New Jersey, Ohio, Washington, Washington DC, and Virginia.

In recent years he designed and installed Voice, Video, and Data Networks within hospitals, medical imaging facilities and Government medical campuses throughout the United States. Mr. Buccellato has worked in the Design, Acquisition, Evaluation, Installation, and Test of such systems as Picture Archiving Communications Systems, Radiology Information Systems, Medication Verification Systems, Clinical Applications, wired and wireless Local and Campus Area Networks, Wide Area Networks, Virtual Private Networks (VPN) and Worldwide Web (WWW) utilization.