



DLT Awards – Kentucky

2012 Grant Awards

Hazard Community and Technical College

\$243,836

Kentucky

Areas Served: Breathitt, Knott, Leslie, and Perry Counties

Contact: Melissa Vermillion

Telephone: (606) 487-3149

Congressional District: Rogers, 5th Dist.

Rural Development funds will be used to improve, upgrade and expand distance learning technology in five classrooms on five campuses. Hazard Community and Technical College hosts the University Center of the Mountains, which connects students in rural eastern Kentucky with select degree programs offered by regional 4-year colleges and universities. Two of the campuses will be getting video conferencing equipment for the first time; the other three will be updating their current capabilities and interoperability.

Professional Home Care Health Care Agency

\$118,716

Kentucky and Tennessee

Areas Served: Knox, Laurel, Whitley, and Campbell Counties

Contact: Kimberly Lynn Moore

Telephone: (606) 877-1135

Congressional District: Rogers, 5th Dist. (KY) and DesJarlais, 4th Dist. (TN)

Rural Development funds will be used by the Professional Home Care Health Care Agency to purchase and install home health equipment, such as telemonitors, blood pressure cuffs, pulse oximeters (for measuring oxygen in the blood), glucose meters (for checking insulin levels), and other devices. It will greatly reduce the time and costs associated with visits to the physician, and reduce patient hospitalization and emergency room visits. This will also enable home patients to review their data on their home computers. This grant expands on the Agency's existing system and adds a cardiology component to the home care. The grant also purchases new software for case management and more expedient document review by physicians.



2011 Grant Awards

Pendleton County School District

\$498,546

Kentucky

Areas Served: Gallatin, Grant, and Pendleton Counties

Contact: Michele Crowley

Telephone: (859) 654-6911 x 2200

Congressional District: Davis, 4th Dist.

Three school districts partnering in Northern Kentucky will be putting in place a distance learning system to help surmount a mountain of challenges caused by dwindling educational resources. New and ambitious curriculum requirements issued by the state and budget cuts throughout the school districts have reduced the numbers of teachers. School officials are turning to technology to meet these educational challenges. With the help of USDA Rural Development funds Pendleton will purchase and put into place a distance learning system with mobile media carts decked with video conferencing, and other equipment such as white boards, media servers and monitors that will allow teachers to share classes as one large virtual school. By way of connecting to colleges in their region, these twelve schools can leverage a greater teaching staff so the widest selection is available at all video end points in the system. The school district and its partners have designed their program with community participation in mind – offering it as a community platform for resident to improve his or her job prospects and repertoire of skills. Pendleton will match grant funds with \$250,220 of local funding.

Grace Community Health Center, Inc.

\$79,826

Kentucky

Areas Served: Clay and Knox Counties

Contact: Dr. David Worthy

Telephone: (606) 526-9005

Congressional District: Rogers, 5th Dist.

With a project hub site at its Health Center in Gray, Southeast Kentucky, Grace will link up with its partner office in nearby Manchester, with rural hospitals in the region, and also stretch its video reach further into the mountains with a link at nearby Knox County Hospital. USDA Rural Development will provide the essential funding that will put in place a telemedicine system that will increase the availability of specialty care for patients in these two counties, and give health providers, including first responders, a source line of continuing education for certificates, degrees and other qualifications. The hub site will have a line connect to the Kentucky Tele-health Network, accessing more than 250 of its health care sites across the state. Distributed throughout the three participating hospitals in this project, the network will put patients and their rural doctors in



video contact with specialists such as ENT doctors, neurologists, pediatric and diabetic physicians and many others. Mobile medical carts with video conferencing equipment will be installed at the rural hospitals for medical staff to conduct patient assessment, and occasionally home visits for post-surgery patients. Grace will match grant funds with \$11,975 of local funding.

Bath County School District

\$462,157

Kentucky

Areas Served: Bath and Menifee Counties

Contact: Brenda Holder

Telephone: (606) 674-6314 x 602

Congressional District: Davis, 4th Dist. and Rogers, 5th Dist.

With the help of USDA Rural Development funding Bath and Menifee Counties will team-up and establish a distance learning system in their school districts to improve academic excellence and to help address many of today's community concerns through education. In a spirit of collaboration, the project will enhance curriculum offerings by sharing classes, creating specialized learning situations for each student, expanding foreign languages at all grade levels, and offering dual credit to increase college attendance. Thirteen sites, including elementary, middle and high schools, academies and adult learning centers will receive portable media carts and desktop video systems to deliver the shared content. They will also deploy a management server, a content server, and a multi-point bridge as part of the system knowledge/control center. The two school systems are united in their goals to assist teachers in gaining National Board Certified status, start training high school students in first responder skills, and establish specialized programs and seminars to address a growing prescription drug abuse problem. Bath County will match grant funds with \$12,933 cash of local funding and a substantial in kind equipment match.

Norton Healthcare Foundation

\$238,398

Kentucky and Indiana

Areas Served: Carroll, Grayson, and Harrison Counties

Contact: Linnie Meyer

Telephone: (502) 629-8064

Congressional District: Guthrie, 2nd Dist. (KY); Davis, 4th Dist. (KY); and Young, 9th Dist. (IN)

With the assistance USDA Rural Development funding Norton Healthcare Foundation will purchase and put into place telemedicine equipment at three rural hospitals - two in counties at the Kentucky/Indiana border counties along the Ohio River and the other in West Central Kentucky. Medical carts outfitted with video conferencing equipment and peripheral devices such as digital stethoscopes will connect to specialists operating laptop control stations at



Norton's six hospitals in Louisville. The medical carts provide a way for the large hospital specialists to be at the patient's bedside for examination, consultation, referrals and prescriptions. Through the video connection, the physicians can also access the patient's medical record and document their notes in the system. With an emphasis on pulmonary, cardiology, neurology, and critical care, this project plans to reduce the number of patient transfers, reduce the outmigration of patients outside of their communities and the risk of transferring critically ill patients. It will decrease the overall cost of patient care while increasing the quality of personalized care. Norton will match grant funds with \$120,000 of local funding.

Kentucky River Community Care, Inc.

\$117,560

Kentucky

Areas Served: Breathitt, Knott, Letcher, and Perry

Contact: Ernestine Howard

Telephone: (606) 666-9006

Congressional District: Rogers, 5th Dist.

Kentucky River Community Health Care is a multi-site behavioral health center serving eight isolated counties in rural Southeast Kentucky, and providing professional services, development and training for fourteen community mental health centers and hospitals in the Kentucky Behavioral Telehealth Network. USDA Rural Development funds will be applied to equipment purchases which will further enhance Kentucky River's existing system-extending it to four new end-user mental health crisis centers where a psychiatrist or physician is not present daily. Exam room video equipment will be installed at these clinics and video connections will be established to link them with physical and behavioral health physicians in distant locations, such as the St. Joseph Hospital or the University of Kentucky. Funds will also be used to assist Kentucky River in acquiring a multi-point bridge to replace older technology, and to deploy video management software, which will include scheduling and firewall transversal functions. Kentucky River will match grant funds with \$35,385 of local funding.

2010 Grant Awards

Ephraim McDowell Health Care Foundation, Inc.

\$160,264

Kentucky

Areas Served: Boyle, Casey, Garrard, Lincoln, and Washington Counties

Contact: Randall Elisha Greene

Telephone: (859) 239-2365

Congressional District: Whitfield, 1st Dist.; Guthrie, 2nd Dist.; and Chandler 6th Dist.



Ephraim McDowell Health in Danville, Kentucky, will be using the telecommunications capacity of new digital mammography equipment to better serve their rural patients, not only at three fixed sites but also with an onboard mobile medical vehicle. One third of their service area has no medical center or hospital. The hospital will transport the new digitized diagnostic images to radiologists and physicians at urban hospitals and medical offices.

2009 Grant Awards

Eastern Kentucky University

\$111,678

Kentucky

Areas Served: Whitley, Perry, and Clay Counties

Contact: Dr. Gerald J. Pogatshnik

Telephone: (859) 622-1744

Congressional District: Rogers, 5th Dist.

This project will allow the university to extend its video conferencing distance learning system to three rural campuses in a three-county area, benefitting those students with specialized and advanced degree programs, certifications and workforce education.

Carter County School District

\$366,830

Kentucky

Areas Served: Carter and Lewis Counties

Contact: Joyce D. Gee

Telephone: (606) 474-6696

Congressional District: Davis, 4th Dist.

This project will fund video conferencing equipment to connect sixteen K-12 schools, two vocational centers, and Kentucky Christian University, combining courses and leveraging university resources. Not only will the new technology expand learning opportunities for young students and adults, it will allow a more collaborative environment for teachers.

Communicare, Inc.

\$98,873

Kentucky

Areas Served: Hardin, Grayson, Breckenridge, Meade, Marion, and Washington Counties

Contact: Gary D. Campbell

Telephone: (270) 765-2605

Congressional District: Guthrie, 2nd Dist.



The grant funds will be used to purchase videoconferencing equipment for a network to provide virtual presence behavioral health services (mental health, addictions, mental retardation and developmental disabilities) for residents in six-county service territory.

Carroll County School District

\$81,934

Kentucky

Areas Served: Carroll County

Contact: Jeffrey M. Fremin

Telephone: (502) 732-7080

Congressional District: Davis 4th Dist.

This project will fund video conferencing equipment for the county's five schools to offer enhanced academic and dual credit classes, specialized intervention programs in math and reading, and counseling for at-risk students.

2008 Grant Awards

Carter County School District

\$438,904

Kentucky

Areas Served: Carter County

Contact: Marianne Johnson

Telephone: (606) 474-2009

Congressional District: Davis, 4th Dist.

Rural Development grant funds will be used by the Carter County School District to install an interactive videoconferencing system to link the hub site to eleven end-user sites in Carter County. The system will provide the school district the ability to archive classes, conduct collaborations, provide professional development, and manage presentations for on-demand viewing as well as enable live streaming to any end-user in the network.

The Center for Rural Development

\$170,698

Kentucky

Areas Served: Adair, Henderson, Shelby, Harrison, Knox, Laurel, Pike, and Boyle Counties

Contact: Charley Simpson

Telephone: (606) 677-6000

Congressional District: Whitfield, 1st Dist.; Lewis, 2nd Dist.; Davis, 4th Dist.; Rogers, 5th Dist.; and Chandler, 6th Dist.



Rural Development grant funds will be used by CRD to upgrade technology for nine integrated distance learning classrooms at eight community colleges. With the upgraded telecommunications the project will provide advanced courses for dual enrollment college credit from community colleges via interactive video, offer enrichment opportunities through virtual field trips and provide technical/vocational job training and certificate programs, and GED and Associate and Bachelors degree programs for adult members of the community through the distance learning network.

Morehead State University

\$72,079

Kentucky

Areas Served: Morgan, Breathitt, and Floyd Counties

Contact: Brent Jones

Telephone: (606) 783-5233

Congressional District: Rogers, 5th Dist.

Rural Development grant funds will be used by Morehead State University to establish a real-time, on-line distance learning project with three rural regional campus centers located in West Liberty, Jackson, and Prestonsburg. Classes will be developed and delivered from MSU's main campus by regular faculty and broadcast to students in the rural centers via an existing high-speed network.

Pulaski County Board of Education

\$128,449

Kentucky

Areas Served: Pulaski County

Contact: Dr. Mike Crowhurst

Telephone: (606) 679-1123 x 243

Congressional District: Rogers, 5th Dist.

Rural Development grant funding will be used to enhance and upgrade the existing high-speed data-networking infrastructure to provide videoconferencing to qualifying rural schools in the district. Eight rural schools will participate in the project and will receive enhanced instruction in Science, Technology, Engineering, and Math. Teachers will be able to participate in professional development, and participating schools will be able to obtain and share content, expand and enhance support for instructors, and connect students in the remote sites to students and other experts throughout the country.

2007 Grant Awards

Frontier Nursing Service, Inc.

\$72,450

Kentucky



Areas Serving: Clay and Leslie Counties
Contact: Denise Barrett
Telephone: (859) 253-3637
Congressional District: Rogers, 5th Dist.

This grant would place videoconferencing equipment at two fixed sites and in one mobile van which would be shared among 4 rural health clinics. It would enable distant consults in dermatology, teleradiology, and other specialties. It would enable distance learning as well as telemedicine by creating training opportunity to practitioners in all sites. The videoconferencing equipment would be linked through the primary hub site, Mary Breckenridge Hospital, into the Kentucky TeleHealth Network, to enable distant consults with specialists at University of Kentucky medical facilities in Lexington. The only oddity about this project is that it uses one mobile videoconferencing facility to serve four rural clinics, so that one budget site is scored as four rural sites. Since everything in the project is rural anyway, it does not affect scoring and the videoconferencing van would assuredly be used only at the four clinic sites. I find this credible, especially in view of the remote location of this entire project.

Professional Home Health Care Agency, Inc.

\$106,611

Kentucky and Tennessee

Areas Serving: Campbell, Knox, Laurel, and Whitley

Contact: Kimberly Sowders

Telephone: (606) 877-1135

Congressional District: Rogers, 5th Dist. (KY) and Davis, 4th Dist. (TN)

This project will expand upon a previous grant designed to place monitoring devices in homes in order to monitor patient biometric data. The information, which is monitored by a private home health care agency, is provided to health care specialists who diagnose and treat patients without transporting them to a medical facility.

The Center for Rural Development

\$444,997

Kentucky

Areas Serving: Casey, Clinton, Muhlenberg, Russell, Grayson, Hart, Bell, Breathitt, Floyd, Harlan, Jackson, Johnson, Knott, Laurel, Leslie, Martin, McCreary, Perry, Pike, Pulaski, Rockcastle, and Rowan Counties

Contact: Rodney Murphy

Telephone: (606) 677-6000

Congressional District: Whitfield, 1st Dist; Lewis, 2nd Dist.; Rogers, 5th Dist.

The project will connect remote CenterNet2 sites in rural Kentucky to each other and to the greater CenterNet2 community through the use of distance learning technologies. The project will allow the participating sites to obtain and share



content, provide instruction from teachers who are highly qualified, expand and enhance support for the instructors, and connect students, teachers, and community members in the remotes sites to each other.

2006 Grant Awards

Appalachian Regional Healthcare, Inc., dba Whitesburg ARH Hospital

\$484,851

Kentucky

Areas Served: Floyd, Harlan, Letcher, and Morgan Counties

Contact: Polly M. Bentley

Telephone: (859) 226-2530

Congressional District: Rogers, 5th Dist.

Rural Development funds will be used to implement a PACS system which will allow the hospitals involved in the project to provide more timely and efficient radiology services. The PACS system will enable ARH to store multiple images electronically, create an efficient patient processing system, and allow physicians in different locations to exchange real-time medical information. Area radiologists will be able to make quick and comprehensive diagnoses and enhance the quality of patient care in central Appalachia.

Professional Home Health Care Agency, Inc

\$105,082

Kentucky

Areas Served: Knox, Laurel, Whitley, and Campbell Counties

Contact: Kimberly L. Sowders

Telephone: (606) 877-1135

Congressional District: Rogers, 5th Dist. (KY) and Davis, 4th Dist. (TN)

Rural Development funds will be used to purchase equipment and software to establish an in-home patient monitoring program. The home monitoring equipment will capture the patient's data and transmit the date to a central monitoring station for review by clinical staff, and, if necessary, review by a physician. Main objectives of the in-home monitoring program are to reduce hospital stays and emergency room visits by proactively preventing and treating events that ultimately cause re-hospitalizations and ER visits.

Saint Joseph Hospital Foundation, Inc.

\$326,893

Kentucky

Areas Served: Bath, Breathitt, Fayette, Lawrence, Madison, Menifee, Morgan, and Perry Counties

Contact: Mrs. Frances R. Rexroat

Telephone: (859) 252-4725



Congressional District: Davis, 4th Dist.; Rogers, 5th Dist.; and Chandler, 6th Dist.

Rural Development funds will be used to expand a mobile telemedicine project, a collaboration between the applicant and the Appalachia Regional Commission. The project will add nine school health clinics to the current service area, add telepsychiatry and sleep disorder diagnostic and monitoring capabilities, connect the mobile health units to the medical director at three emergency room sites, and establish a network of primary care and public health departments to support public health preparedness and enhance the public health response to natural disasters.

University of Kentucky Research Foundation

\$91,078

Kentucky

Areas Served: Knox, Leslie, Ohio, Russell, and Trimble Counties

Contact: Deborah K. Davis

Telephone: (859) 257-9420

Congressional District: Whitfield, 1st Dist.; Lewis, 2nd Dist.; Davis, 4th Dist.; and Rogers, 5th Dist.

Rural Development funds will be used to equip five rural county Cooperative Extension Service offices and the UK Wood Utilization Center with a distance learning system and on-demand educational network that incorporates multiple new technologies and learning methods. The system will incorporate 2-way interactive distance learning videoconferencing, multicast streaming video, web collaborative software, distance learning archives, and on-demand educational opportunities.

2004 Grant Awards

Morehead State University

\$499,153

Kentucky

Areas Served: Montgomery, Morgan, Breathitt, and Knott Counties

Contact: Michael Judge

Telephone: (606) 783-2082

Congressional District: Rogers, 5th Dist. and Fletcher, 6th Dist.

Morehead State University will improve education in 4 Appalachian Kentucky communities by using the grant to upgrade equipment, provide professional development for teachers (and bolster teacher retention), and reduce travel time and expense for rural Kentucky teachers who are continuing their professional development. Students are more likely to achieve Adequate Yearly Progress standards when they are taught by well-qualified teachers who have access to



enriched content, and by teachers who are able to stay in their communities. Over 12, 400 students, teachers and staff will benefit from this project.

Saint Joseph Hospital Foundation

\$235,636

Kentucky

Areas served: Bath, Carter, Lawrence, Menifee, Morgan, and Wolfe Counties

Contact: Frances Rose Rexroat

Telephone: (859) 252-4725

Congressional District: Lucas, 4th Dist. and Rogers 5th Dist.

Saint Joseph Hospital Foundation will utilize RUS funding to expand the Eastern Kentucky Mobile Health Service (EKMHS). Expansion of the service will increase the primary and specialty medical services to underserved children and adults in rural Appalachia and also establish a network that will support bioterrorism preparedness in rural eastern Kentucky. The EKMHS provides mobile health services to eight end-user sites and serves over 81,000 residents in rural Kentucky.

2003 Grant Awards

Pikeville College

\$74,661

Kentucky, Alabama, Arkansas, Virginia, and West Virginia

Areas Served: Johnson, Letcher, Grayson, Floyd, Pike, Perry, Breathitt, Baldwin, Stone, Nottoway and Norton, and Mingo Counties

Contact: Sandra Saad

Telephone: (606) 218-528

Congressional District: Lewis, 2nd Dist. (KY); Fletcher, 6th Dist. (KY); Bonner, 1st Dist. (AL); Berry, 1st Dist. (AR); Forbes, 4th Dist. (VA); Boucher, 9th Dist. (VA); and Rahall, 3rd Dist. (WV)

Pikeville College School of Osteopathic Medicine has been educating medical students since 1997 from its Pikeville, Kentucky campus in the heart of Appalachia. The College will utilize RUS grant funds to purchase and install videoconferencing equipment at 16 end-user sites in five states. Four of these five are Appalachian states. Benefits of the system include increased educational opportunities for healthcare providers, increased multi-state research efforts related to health care needs of rural residents, and increased incentive for medical students, residents, and interns to stay and establish practices in rural America. This project has the potential to impact a population of over 55,000 residents in these rural areas.



2002 Grant Award

St. Joseph's Healthcare

\$90,300

Kentucky

Areas Served: Wolfe, Morgan, and Lawrence Counties

Contact: Rose Rexroat

Telephone: (859) 313-1109

Congressional District: Rogers, 5th Dist.

St. Joseph's Healthcare will use RUS funds to link a mobile primary care health service to physicians in a regional medical center and a metropolitan hospital through a telemedicine connection. This mobile primary care tele-health service is needed to improve access to primary and specialist medical care for residents of five extremely rural remote communities located in the Appalachian mountains of eastern Kentucky. Residents of these communities live in poverty and suffer a greater disease burden than residents of their peer counties in the state and nation. Lack of access to primary and specialty health care services decreases their opportunity to receive early diagnosis and treatment of disease and preventive services, and increases the health disparities found in the region. The telecommunications system that will be developed involves a link between an existing telecommunications hub in Morehead, Kentucky, and the mobile care coach that will connect to T-1 lines at the five remote sites. The staff will provide primary care services including screenings, diagnosis and treatment of disease, prevention education and referrals to specialty providers. Approximately 250 rural patients will benefit from this project.

2001 Grant Awards

Johnson Mathers Health Care, Inc.

\$352,787

Kentucky

Areas Served: Bourbon, Fayette, Harrison, and Nicholas Counties

Contact: Doris Ecton

Telephone: (859) 289-7181

Congressional District: Fletcher, 6th Dist.

Johnson Mathers Health Care, Inc. d/b/a Nicholas County Hospital (NCH) is a very small 15-bed rural hospital located in Carlisle, Kentucky. Sources of income for Nicholas County residents are extremely limited. A Census report identified 22.1 percent of the residents at 10.0 percent of the federal poverty level and 45 percent being identified at 200% of the federal poverty level. Nicholas County has a 17 percent population of 60 years or older who have difficulty in traveling much further than the local health facility. This teleradiology project will allow specialized radiology review of radiographs including x-ray films, ultrasound and



CT scans produced at NCH to be immediately reviewed immediately by two larger hospitals or the office of two radiologists participating in the health care network. All transactions will be via phone lines. As a result of immediate review of radiographs, rural patients will receive timely, appropriate, cost-effective health care at the local facility. This system will also assist to alleviate courier expenses, film costs of lost or duplicated films and, assist rural residents to overcome barriers to quality health care services by providing critical access to medical services.

Morgan County ARH Hospital

\$52,500

Kentucky

Areas Served: Morgan, Perry, and Rowan Counties

Contact: Dennis Chaney

Telephone: (606) 743-3109

Congressional District: Lucas, 4th Dist. and Rogers, 5th Dist.

Morgan County ARH Hospital is a newly certified Critical Access Hospital that is planning to implement a teleradiology system through a collaborative network with healthcare providers outside the immediate service area. The purpose of the project is to improve access and increase the level of quality of radiology and emergency care services to local residents. Teleradiography will eliminate the need to remove films and scanning records from the MCARH facility and will improve cost-efficiency and reduce image-quality problems. MCARH believes that the implementation of this teleradiology system is crucial to improving the healthcare of residents in the Appalachian region of Kentucky for the following reasons: (1) patients will not experience the delays that are usually involved in getting specialty consultation or emergency care; (2) since the radiology films will not have to be sent off-site, time delays and costs will be reduced; (3) physicians will have timely access to medical consultants; (4) the rural communities will benefit from a more effective delivery of health care services and, therefore, improving the quality of care for their rural patients.

2000 Grant Awards

Marcum and Wallace Memorial Hospital

\$66,158

Kentucky

Areas Served: Estill, Jackson, Lee, and Powell Counties

Contact: James Heitzenrater

Telephone: (606) 723-2115

Congressional District: Fletcher, 6th Dist.

The purpose of this project is to design a telemedicine project utilizing teleradiology. Currently, the hospital must transport all radiographic films out to



radiologists in other rural parts of Kentucky. With the addition of teleradiology, Marcum & Wallace Memorial Hospital, Inc. will be able to offer support from radiologists in a timely manner. The goal of this teleradiology system is to ensure that everyone in the service area has immediate access to affordable and quality medical care. This teleradiology system will improve healthcare in eastern Kentucky for reasons such as: (1) Patients will not experience the delays that are usually involved in getting specialty consultation or emergency care; (2) Radiology films will not have to be sent elsewhere, thereby reducing delays and costs; (3) Physicians will have timely access to medical consultants; and, (4) Overall quality of care will be improved.

1999 Awards

Caverna Memorial Hospital, Inc.

\$50,000

Kentucky

Areas Served: Hart and Barren Counties

Contact: James J. Kerins, Sr.

Telephone: (270) 786-2191

The purpose of this project is to design a telemedicine project utilizing teleradiology. With the addition of teleradiology, Caverna Memorial Hospital will be able to offer immediate support from a radiologist who shares his time and services with other facilities. The goal of this teleradiology system is to ensure that everyone in the service area has immediate access to affordable and quality medical care. This teleradiology system will improve healthcare in south central Kentucky for reasons such as: patients will not experience the delays that are usually involved in getting specialty consultation or emergency care. Also, radiology films will not have to be sent elsewhere, thereby reducing delays and costs; physicians will have timely access to medical consultants; and overall quality of care will be improved.

1997 Awards

Appalachian Regional Healthcare, Inc.

\$190,539 Grant and \$103,208 Loan

Kentucky, Virginia, and West Virginia

Areas Served: Whitesburg and McDowell, Beckley, Hinton, Man, and Wise Counties

Contact: Stephanie L. Short

Telephone Number: (606) 226-2568

This RUS grant will be used to help serve six medically underserved areas in the Appalachian areas of Kentucky, West Virginia and Virginia. This RUS grant will



expand the existing telecommunications network of videoconferencing and telemedicine peripherals operated by ARH, Inc. where there is a shortage of healthcare professionals. It is very difficult to attract and retain healthcare providers. The grant will connect six end user sites in three states and their adjoining counties to the University of Kentucky Medical Center in Lexington, Kentucky. This will give access to higher medical and mental health care through telemedicine benefiting patients and also providing continuing educational training for health care providers. This grant will help compensate for the lack of adequate medical resources and poor economic conditions plaguing this section of the country. It will cut down on travel time for patients enabling patients to get prompt medical evaluations at local ARH hospitals.

Murray Calloway County Hospital

Award: \$20,871 Grant and \$32,021 Loan

Kentucky

Areas Served: Trigg and Calloway Counties

Contact: James W. Taylor

Telephone Number: (502) 762-1103

This proposal is to construct a telemedicine network with the hub at Murray-Calloway County Hospital (MCCH) in Murray, Kentucky to Trigg County Hospital (TCH) in Cadiz, Kentucky. This will allow a limited medical professional staff (general practice only) to have access to professional specialist for care of the Trigg County underserved population. The technology will allow the medically underserved TCH to send digitized radiographs to MCCH, approximately 35 miles away, for interpretation and medical advice. The application of digitizing technology to the transfer of diagnostic radiographs is not a standing practice in the Trigg County community or the region as a whole. As a result of this technology, approximately 10,361 citizens of Trigg County, Kentucky, and 2,148 citizens of the City of Cadiz will benefit.

1995 Grant Awards

Grayson County Hospital Foundation

\$102,000

Kentucky

Health care providers at the Twin lakes Regional Medical Center will use high speed transmission of high resolution digitized x-rays to access radiological diagnostic services in Louisville, 24 hours a day. Six counties will benefit from the services.

University of Kentucky - Prestonburg Community College

\$115,000

Kentucky



Linking six school districts, 4 community colleges, state government and four universities, rural students and other rural residents will be able to access continuing education programs, vocational training classes and training for medical professionals.

1994 Grant Award

Murray State University

\$319,376

Kentucky

Areas Served: Ballard, Callaway, Carlisle, Fulton, Graves, Hickman, Marshall and McCracken Counties

This project is an expansion of a 2-way compressed video, audio and data distance learning network for education and health care. The expansion will accomplish several goals: (1) establishing new rural end user sites in Hickman, Carlisle, Ballard Counties, and (2) adding a medical service component, including radiology and distance diagnostic consultation to the existing network, including the new sites. The expansion will allow Murray State to offer a nurse anesthetist program through the network. The new network will also enable these new end user sites to link with numerous other educational institutions via the state-wide educational network, which has a node at Murray State. The network utilizes a T1 circuit over existing copper trunk lines with a CODEC system to transmit interactive video, in conjunction with a 56 Kbs (switched 56) channel to connect the various local area networks in the system.

1993 Grant Award

Clinton County School District

Kentucky

The RUS-funded system will help to restructure educational technology and curriculum in this school district via networking and interactive video distance education. The new telecommunications network will work in cooperation with Berea College and Berea School District, Madison County.