



DLT Awards - Kentucky

2006 Grant Awards

Appalachian Regional Healthcare, Inc., dba Whitesburg ARH Hospital

Whitesburg, Kentucky

\$484,851

Areas Served: Floyd, Harlan, Letcher, Morgan

Contact: Ms. Polly M. Bentley

Telephone: 859-226-2530

Fax: 856-226-2542

Congressional District: KY-05

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

London, Kentucky

\$105,082

Areas Served: Kentucky: Knox, Laurel, Whitley; Tennessee: Campbell

Contact: Ms. Kimberly L. Sowders

Telephone: 606-877-1135

Fax: 606-877-3240

Congressional District: KY-05; TN-04

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 data 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.

Lexington, Kentucky

\$326,893

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

Contact: Mrs. Frances R. Rexroat

Telephone: 859-252-4725

Fax: 859-313-4135

Congressional District: KY-04, 05, 06

Rural Development funds will be used to expand a mobile telemedicine project which is 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

Lexington, Kentucky

\$91,078

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

Contact: Ms. Deborah K. Davis

Telephone: 859-257-9420

Fax: 859-323-1060

Congressional District: KY-01, 02, 04, 05

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

Morehead, Kentucky

\$499,153

Areas served: Montgomery, Morgan, Breathitt, Knott Counties

Contact: Michael Judge, 606-783-2082

Congressional District(s): KY-05, KY-06

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

Lexington, Kentucky

\$235,636

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

Contact: Frances Rose Rexroat, 859-252-4725

Congressional District(s): KY-04, KY-05

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; Pikeville, KY

\$74,661

Area(s) Served: Kentucky counties of Johnson, Letcher, Grayson, Floyd, Pike, Perry, Breathitt; Alabama county of Baldwin; Arkansas county of Stone; Virginia counties of Nottoway and Norton; West Virginia county of Mingo

Contact: Sandra Saad (606) 218-5281; Fax: (606) 218-5269

Congressional District(s): Applicant, 6th Kentucky; Project, 2nd and 6th Kentucky; 1st Alabama; 1st Arkansas; 4th and 9th Virginia; and 3rd West Virginia

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; Morehead, KY

\$90,300 Grant

Area(s) Served: Counties of Wolfe, Morgan, Lawrence

Contact: Rose Rexroat (859) 313-1109; Fax (859) 331-3000

District(s): Applicant 4th / Project 5th

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.; Carlisle, Kentucky

\$352,787 Grant

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

Contact: Ms. Doris Ecton; Phone: (859) 289-7181; FAX: (859) 289-4323

Congressional District: 6th

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; West Liberty, Kentucky

\$52,500 Grant

Area(s) Served: Morgan, Perry, and Rowan counties

Contact: Mr. Dennis Chaney; Phone: (606) 743-3109; FAX: (606) 743-2272

Congressional District: 4 th & 5 th

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 & WALLACE MEMORIAL HOSPITAL, INC., Irvine, Kentucky

\$66,158 Grant

Area(s) served: Estill, Jackson, Lee and Powell Counties

Contact: Mr. James Heitzenrater, (606) 723-2115; FAX: (606) 723-2951

6th Congressional District

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 much more 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., Horse Cave, Kentucky

\$50,000 Grant

Counties Served: Hart, Barren

Contact Person: Mr. James J. Kerins, Sr., (270) 786-2191: Fax (270) 786-1557

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.

Award: \$190,539 Grant / \$103,208 Loan

Total: \$293,747

Locations: Whitesburg and McDowell, Kentucky; Beckley, Hinton, and Man, West Virginia; Wise, Virginia

Contact Person: Stephanie L. Short

Telephone Number: (606) 226-2568

FAX Number: (606) 226-2439

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 / \$32,021 Loan

Total: \$52,892

Location: Murray, Kentucky

Areas Served: Counties of Trigg and Calloway

Contact Person: James W. Taylor

Telephone Number: 502-762-1103

FAX Number: 502-767-3600

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

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

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

West Kentucky Interactive Telecommunications Distance Learning and Medical Link Network

The counties of Ballard, Callaway, Carlisle, Fulton, Graves, Hickman, Marshall and McCracken

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

Albany

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.