
"CONNECTING WESTERN NORTH CAROLINA"

2007 FCC RURAL HEALTH CARE PILOT PROGRAM APPLICATION

SUBMITTED BY

WESTERN CAROLINA UNIVERSITY
CULLOWHEE, NORTH CAROLINA

IN PARTNERSHIP WITH

EASTERN BAND OF THE CHEROKEE INDIANS
CHEROKEE, NORTH CAROLINA

AND

JACKSON COUNTY DEPARTMENT
OF PUBLIC HEALTH
SYLVA, NORTH CAROLINA

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EXECUTIVE SUMMARY

Hurricane Katrina and September 11, 2001 moved emergency preparedness and response to the forefront of American thinking. Unfortunately, early political and public attention focused on the needs of urban areas leaving the needs of America's rural communities largely unaddressed. Rural areas, such as those in western North Carolina, are home to nearly 59 million US citizens, the vast majority of whom are underserved and underprivileged. Emergency response challenges in times of crises poignantly remind us of what these rural areas and their residents also face every day, not just during emergencies. For example, the daily challenge of health care is exacerbated during times of crisis. Whether the crisis is local in nature, regional or national, the every day demands and needs grow exponentially under the weight of crisis.

Rural health care providers share needs similar to their urban counterparts but also fall victim to situations unique to the rural environment. For instance, rural health care providers continue to lack access to the broadband facilities needed to support the types of advanced telehealth applications, like telemedicine, that are so vital to bringing medical expertise and the advantages of modern health care technology to these isolated areas of the country. Many of these real-time telehealth applications require a dedicated broadband network that is more reliable and secure than the public Internet and almost entirely unavailable to rural communities.

The Federal Communication Commission's Rural Health Pilot Program is an appreciated effort toward remedying this. Increasing broadband connectivity among health care providers at the national, state and local levels provides vital links for telehealth and telemedicine solutions, disaster preparedness and emergency response and would likely facilitate the President's goal of implementing electronic medical records nationwide. These are preeminent concerns of Western Carolina University (WCU), the Eastern Band of the Cherokee Indians (EBCI) and western North Carolina, in general.

Researchers at WCU undertook a regional study related to preparedness response in western North Carolina as well as health care delivery through telehealth and telemedicine mediums. These research efforts will be brought to this initiative to further ensure the success of "connecting Western North Carolina."

Additionally, in an effort to prepare comprehensive response protocols, several counties in Western North Carolina, and the Eastern Band of Cherokee Indians are working together on regional planning. After meeting informally, the Health Departments from the EBCI, Swain, Jackson, and Graham counties have decided to meet regularly to collaborate and integrate their all-hazards response plans. Other counties in the region including, Haywood, Cherokee, Clay and Macon have also been contacted and invited to join in what is being called the Western North Carolina Preparedness Committee. The idea is to compare plans, share resources, and provide support to the larger community during any

incident that creates a public health crisis. Vickie Blythe, Director of Operations for the EBCI Health Department said, "We recognize that communities can be quickly overwhelmed during an incident, and we want to be ahead of that by preplanning with the surrounding communities." A schedule was developed to meet at least once a month through June of 2007, when the committee will evaluate its progress and prioritize the next steps. Again, we propose to fold these efforts into the overall plan for the FCC's Rural Health Care Pilot Program, increasing the success of this proposed project.

Finally, EBCI is also in the process of applying for further grant funding provided by the United States Department of Agriculture through its Distance Learning and Telemedicine Initiative. Specifically, EBCI hopes to connect its outlying clinics and health providers to the main hub on the Cherokee Reservation. This DLT effort is consistent with and compliments the FCC Rural Health Care Pilot Program. We are hopeful that together huge strides will be made toward connecting tribal health concerns as well as all health care providers located in rural western North Carolina.

1. RESPONSIBLE ORGANIZATION

The organization responsible both legally and financially for the conduct of activities supported by the pilot funding will be Western Carolina University located in Cullowhee, North Carolina.

2. GOALS AND OBJECTIVES

Broadband has enabled health care providers to vastly improve access to quality medical services in remote areas of the country. Among other things, telehealth applications allow patients to access critically needed medical specialists in a variety of practices, including cardiology, pediatrics, and radiology, without leaving their homes or their communities. Using video feeds over broadband and real-time patient information, intensive care doctors and nurses can monitor critically ill patients at multiple locations around the clock. Using this technology, a single medical professional is able to administer services to over a hundred patients, while cutting skyrocketing medical costs by shortening average hospital stays and reducing the need for additional tests and treatments. The benefits of these technologies are particularly apparent in underserved areas of the country, like those in western North Carolina, that may lack access to the breadth of medical expertise and advanced medical technologies available in other areas.

Generally, it is our primary goal to enhance public and non-profit health care providers' access to advanced telecommunications and information services. We hope to provide useful information as to the feasibility of revising the Commission's current RHC rules in a manner that best achieves the objectives set forth by Congress. We also intend to provide an affordable rate for the services necessary for the provision of telemedicine and instruction relating to such services.

Additionally, WCU in partnership with EBCI and the Jackson County Department of Health intends to improve access to telecommunications and information services on the Reservation and at off-reservation clinics, serviced by the EBCI and providing health care services to members of the Tribe. The Commission recognizes that the telecommunications penetration rate on many tribal lands falls far below the national average. Members of EBCI are further challenged by the remoteness and the mountainous terrain. The Commission's Pilot Program will assist us in promoting available culturally compliant health care to all members of the EBCI.

More particularly, we intend to connect outlying tribal health clinics to the main health care system at the EBCI main hub. This includes both the EBCI Health and Medical Division and the Cherokee Hospital. The Health and Medical Division provides over 23 programs to the outlying clinics. This requires weekly visits and over two (2) hours of travel time by staff and physicians, time that would be more efficiently used delivering the required services.

The Cherokee Hospital also services the Snowbird Clinic in remote Graham County. Due to the remoteness and the terrain, Snowbird is home to the more traditional Cherokee community. It also poses the greatest challenges in the delivery of health care. Connecting this clinic would be an immeasurable success in many ways.

Yet another priority through this initiative is to provide a medium through which health care providers can both obtain and become exposed to culturally competent health care for members of EBCI, whether they reside on the reservation or not. EBCI and WCU recently celebrated the official beginning of the Culturally Based Native Health Program (CBNHP). In part, the collaboration will educate health professionals about the long and complicated relationship between American Indians and the federal government; inform health care providers of the unique nature of tribal health policy and related issues; and provide cultural awareness of tribal protocol involving patients of various ages, gender, degrees of acculturation, geographical upbringing, and expectations. Cultural expertise will be provided by tribal members who will pair with WCU faculty members in developing distance education opportunities and a Cherokee/Native American Studies Health Certificate Program. The value of the Commission's Pilot Program to this collaborative effort begun in August 2006 is apparent.

The mission of the Cherokee/Native American Studies Health Certificate Program is to provide culturally competent training for health professionals who serve American Indian populations, particularly in the South and East. We accomplish this through 1) responding to the voices of Native health care administrators/practitioners in developing needed courses to serve their populations, 2) collaborating with Native clinicians, administrators, community members and scholars to develop curriculum incorporating Native voices, 3) and partnering with Native communities to provide opportunity for application of training.

- Classes will be developed and/or co-instructed with Native representatives
- Cherokee guest lecturers to be included in lecture-format classes
- Some classes will be offered in the Cherokee community
- Most classes will be offered on-line/distance learning to assist those working full-time and/or who live in other regions
- Course content to be approved by Eastern Band of Cherokee Indians (EBCI) designated representatives knowledgeable in topic areas

- Two more Tribal-specific courses (Tribal Culture/History and Tribal Patient Protocol) will be developed by individuals to be determined by USET Tribes for substitution for corresponding Cherokee specific courses

Western Carolina University sees the development of this certificate program as an opportunity to serve Native populations and encourage their collaboration in the development of quality instruction for health care providers. This program is a direct response to the needs and concerns voiced by Indian health professionals. It is not intended as coursework that emphasizes the “Western” models of intervention, care, prevention, and maintenance, but an Indigenous perspective that may overlap or fuse into those traditional models of health care.

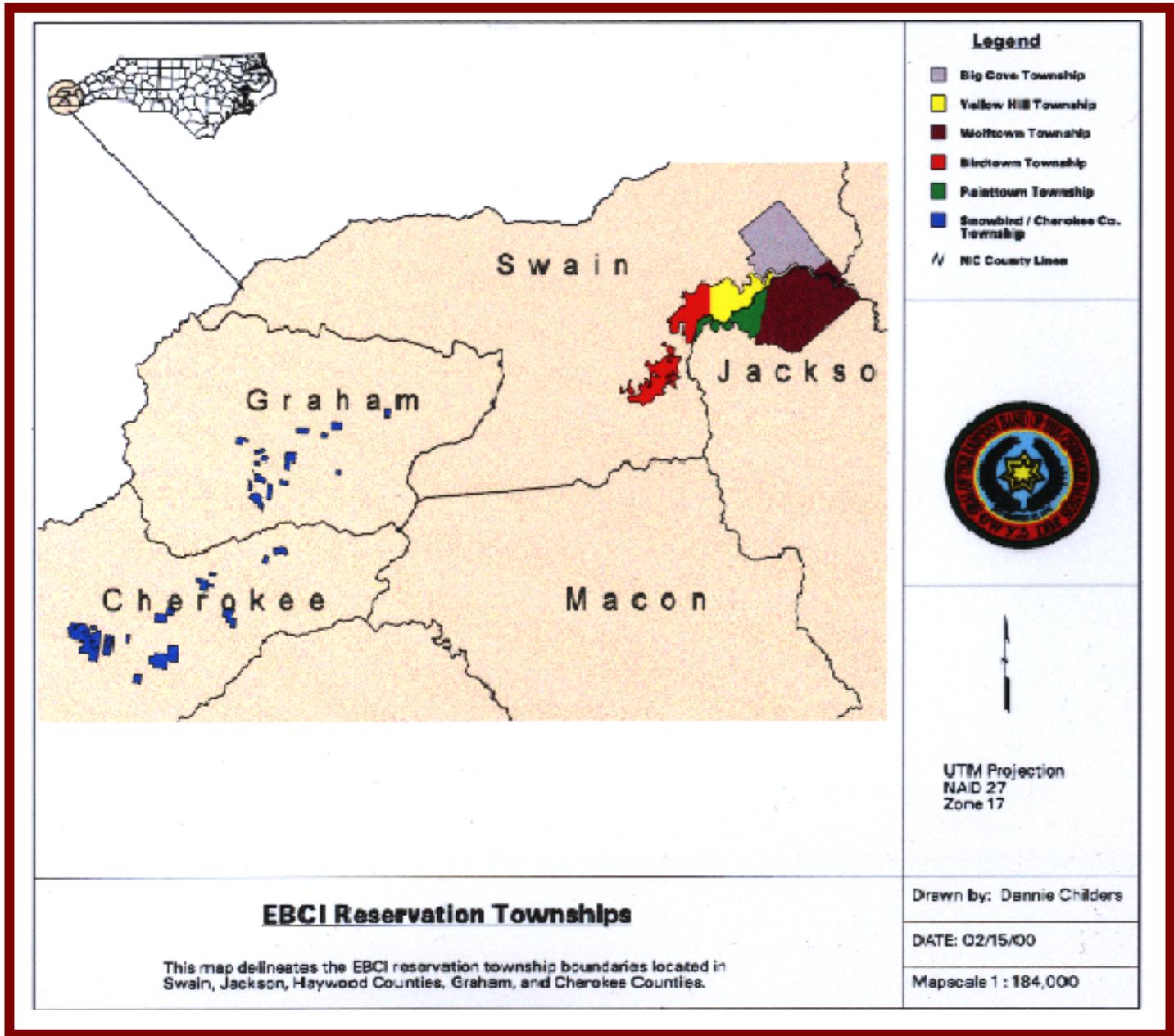
The following chart indicates the suggested courses and foci as requested by EBCI health professionals and administrators. The two “core” courses in Native American Studies Theory & Application have already been developed as have the courses: Issues in Indian Health, Cherokee Ethnobiology and Traditional Medicine, Conflict Resolution: Culture & Management, and Cherokee History. The next priority will be the development of courses for the Behavioral Health foci. Several counselors from the EBCI have been contacted for these course proposals.

Four Foci for Certificate Program Electives [Choice of Four Courses]

1) Indian Health Care Administration	2) American Indian Culture & History	3) American Indian Behavioral Health	4) American Indian Clinical Care
Conflict Resolution: Culture & Management*	Cherokee Ethnobiology & Traditional Medicine*	Counseling Approaches & Theory with American Indian Clients	Issues in Indian Health*
Indian Personnel Management	Cherokee History and Culture*	Co-occurring Disorders & American Indian Adolescents	Caring for Elders
Funding & Finance for Indian Health Programs	Cultural Congruent Patient Care & Tribal Protocol	Native Americans and Alcohol/Tobacco Use	Stress & Chronic Disease
Indian Health Law, Policy, and Self Determination	History of Indian Health Care & Services	Culture and the Evolution of Western Psychology	Primary Care of American Indian Patients

Another objective of this proposal is related to emergency preparedness. The HHS Agency for Healthcare Research and Quality (AHRQ), who jointly administers the Medicare Modernization Act with CMS, is working together with the HHS Office of Public Health Emergency Preparedness as well as sister agencies—including the Centers for Disease Control and Prevention and the Health Resources and Services Administration—on a number of natural and/or man-made disaster response and preparedness initiatives at the federal, state, and local levels. In keeping with the framework prescribed by the HHS Office of the National Coordinator for Health Information Technology (ONCHIT), AHRQ has a particular mandate to enhance and reinforce linkages between the personal health care delivery system and the public health infrastructure. Consistent with these initiatives, both WCU and EBCI have undertaken efforts toward improving emergency response efforts in western North Carolina. The Emergency Management Program in Applied Criminology at WCU working with the EBCI and the Jackson County Department of Health intends to leverage this project to further assess the health care needs and response challenges during times of crisis. Both hope to improve emergency preparedness in the more vulnerable populations in the rural areas of western North Carolina.

Finally, in addition to these goals and objectives which include connecting the public/non-profit health providers in Jackson County and the EBCI health providers in Jackson, Graham, Cherokee and Swain Counties, we also hope to leverage EBCI's Distance Learning and Telemedicine initiative being proposed to the United States Department of Agriculture through its Rural Development division.



EBCI Reservation Townships

This map delineates the EBCI reservation township boundaries located in Swain, Jackson, Haywood Counties, Graham, and Cherokee Counties.

Legend

- Big Cove Township
- Yellow Hill Township
- Wolfcove Township
- Birdtown Township
- Painttown Township
- Snowbird / Cherokee Co. Township
- NC County Lines



UTM Projection
 NAD 27
 Zone 17

Drawn by: Dannie Childers

DATE: 02/15/00

Mapscale 1 : 184,000

3. NETWORK COSTS

Proposed Annual Budget

Construction Cost Estimates:

Labor	\$1,700,000
Materials	285,000
Supervision	150,000
Engineering	125,000
Splicing	100,000
Study	47,000
Permits	<u>10,000</u>
Subtotal	\$2,417,000

Internet2 Estimates (one-time charges/monthly recurring charges):

Core Routers	\$50,000	\$ 900
End-User-		
Ethernet equip. connect.	40,000	2,500
Back haul of I-2 service	10,000	8,000
10Mbps Ethernet connect.	30,000	20,000
100Mbps I-2 svc. Shared	<u>15,000</u>	<u>12,000</u>
Subtotal	\$145,000	\$43,400

Other Cost Estimates:

Web Communication Platform	\$187,000
Software	162,000
Contractors: Network Design/Study	15,000
Evaluators	84,000
System Integrator & Implement.	240,000
Data System Hosting	67,000
Equipment	176,000
Other	<u>23,000</u>
Subtotal	\$954,000

Total (construction/one-time costs)	\$3,516,000
Total (monthly recurring)	\$ 43,400

4. FOR-PROFIT PARTICIPANT COST SHARING

We believe that it is important to encourage participation from private sector in addition to the public/non-profit health care providers. We will actively engage in a program to encourage and induce participation from the private sector providers. These providers will be responsible for contributions based upon their respective use of the networks through this initiative. We will solicit best practices solutions through the RFP process during procurement procedures.

5. FINANCIAL SUPPORT

A. FINANCIAL SUPPORT

Recognizing the benefit to the EBCI members and western North Carolina as a whole, Harrah's Cherokee Hotel and Casino has graciously agreed to participate in this project by contributing the necessary financial support needed to meet the matching requirement. Should the proposed budget require additional matching contributions, we will seek additional support from the Cherokee Preservation Foundation. Additionally, the anticipated revenues from private sector participation will further offset the costs considered by the proposed budget.

See Attachment F-1 Letter of Intent

B. ANTICIPATED REVENUES

There are minimally nearly 200 private sector health care providers in the proposed region. We anticipate an active subscription drive to encourage participation and the accompanying revenues. It is the intention of the project management to seek best practices solution during the RFP process.

6. HEALTH CARE FACILITIES

Western Carolina University in collaboration with the Eastern Band of the Cherokee Indians and the Jackson County Department of Health are proposing a multi-phased project. In year one, the health care facilities at WCU, the EBCI facilities on the reservation and in outlying areas (including Graham and Cherokee Counties) and the public/non-profit health care providers in Jackson County will be connected through this initiative. In year two, we hope to expand this effort in an even greater regional effort to include all eighteen counties in western North Carolina, parts of northern Georgia and parts of eastern Tennessee. Additionally, in an ambitious effort, we will also attempt to join the United South and Eastern Tribes, a consortium of American Indian tribes in the south and eastern United States.

On October 4, 1968, the Eastern Band of Cherokees, the Mississippi Band of Choctaws, the Miccosukee Tribe and the Seminole Tribe of Florida met in Cherokee, North Carolina with the shared idea that some form of unity between the Tribes would facilitate their dealings with the federal government. The result of their vision of "Strength in Unity," was the inter-tribal council United Southeastern Tribes. Incorporated in 1969, United Southeastern Tribes operated first out of Emory University in Atlanta, Georgia, and then moved to Sarasota, Florida. In 1975 it relocated again to Nashville, Tennessee, where it resides today. The organization changed its name in 1978 to United South and Eastern Tribes, Inc. to better reflect its membership, as federally recognized Tribes from Maine, to Florida, to Texas affiliated themselves with the organization.

Today, United South and Eastern Tribes, Inc. is a non-profit, inter-tribal organization that collectively represents its member Tribes at the regional and national level. USET has grown to include twenty-four federally recognized Tribes, operating through various workgroups and committees and providing a forum for the exchange of ideas and information amongst Tribes, agencies and governments. In addition to the Eastern Band of Cherokee, the Mississippi Band of Choctaw, the Miccosukee Tribe and the Seminole Tribe of Florida, USET now includes:

- The Chitimacha Tribe of Louisiana, 1971
- The Seneca Nation of Indians, 1972
- The Coushatta Tribe of Louisiana, 1974
- The St. Regis Band of Mohawk Indians, 1976
- Penobscot Indian Nation and the Passamaquoddy Tribes, 1979

- The Houlton Band of Maliseet Indians, 1981
- The Tunica-Biloxi Indians of Louisiana, 1984
- The Poarch Band of Creek Indians, 1984
- The Narragansett Indian Tribe, 1984
- The Mashantucket Pequot Tribe, 1984
- The Wampanoag Tribe of Gay Head (Aquinnah), 1987
- The Alabama-Coushatta Tribe of Texas, 1989
- The Oneida Indian Nation, 1991
- The Aroostook Band of Micmac Indians, 1992
- The Catawba Indian Nation, 1993
- The Jena Band of Choctaw Indians , 1995
- The Mohegan Tribe of Connecticut, 1996
- The Cayuga Nation, 2000.

USET is dedicated to promoting Indian leadership, improving the quality of life for American Indians, and protecting Indian rights and natural resources on tribal lands. Although its guiding principle is unity, USET plays a major role in the self-determination of all its member Tribes by working to improve the capabilities of Tribal governments.

A primary service provided by USET to its member tribes is its Tribal Health Program Support. The USET Tribal Health Program Support (THPS) contracts with the South and Eastern Federally-Recognized Tribes to provide:

- timely dissemination of health information to the tribal Health Program Director
- administrative support services in coordinating and facilitating the meetings and other functions and activities of the Health Directors committee
- a seminar/workshop specifically related to public health issues to the Health Directors and/or Tribal Leadership
- technical assistance in the development of new approaches in health care delivery with regard to the continuing development of the tribal health care delivery systems
- assistance in the development of funding resource
- assistance to tribes in the assumption/expansion of the operation/management of programs, services, functions, and activities within the Indian Health Service
- prepare/maintain updated tribal health delivery system profiles for USET member tribes
- and facilitate meaningful consultation between agencies of the Department of Health and Human Services and tribes
- technical assistance to tribes in program development, management, evaluation, advocacy and training for new and expanded programs.

We believe the goals and objectives of this pilot program are consistent with the objectives of USET and its members. We also are confident that the connectivity provided through this program will provide additional exposure and presence to both the culturally based native health program's effort and the emergency preparedness efforts contemplated by WCU and EBCI.

7. PARTICIPATING HEALTH CARE FACILITIES

Jackson County Department of Public Health 538 Scotts Creek Road, Suite 100 Sylva, North Carolina 28779 828.586.8994 (telephone) 828.586.3493 (facsimile)	RUCA #7.0
Bird Health Center Western Carolina University Bird Building Cullowhee, North Carolina 28723 828.227.7640 (telephone) 828.227.7400 (facsimile)	RUCA #7.0
EBCI Health and Medical Division P. O. Box 666 Cherokee, North Carolina 28179 828.497.7460	RUCA # unavailable
Cherokee County Clinic 328 Airport Road Post Office Box 482 Marble, North Carolina 28905 828.837.4312	RUCA #10.0
Cherokee Indian Hospital Caller Box C-268 Cherokee, North Carolina 28179 828.497.9163	RUCA # unavailable
Snowbird Clinic P. O. Box 1627 Robbinsville, North Carolina 28771 828.479.3924	RUCA #10.0

In addition to these five public health care providers, this project proposes to include the public health care centers in Jackson, Swain, Macon and Graham Counties in western North Carolina referenced in the table below. Additionally, there are nearly 200 private or quasi-public health care providers that may have interest in joining this initiative. See the coverage maps provided below.

Business	City	StateCountyID	County	Clean Address	Unit	UnitNumber	Longitude	Latitude	Cleaned Business Name
PERMIAN GENERAL HOSPITAL	ANDREWS	NC39	Cherokee County, NC				-83.8288	35.1981	PERMIAN GENERAL HOSPITAL
PARAGON REHABILITATION INC.	ANDREWS	NC39	Cherokee County, NC	551 KENT ST			-83.8438	35.195	PARAGON REHABILITATION
CHEROKEE COUNTY COMMUNITY	ANDREWS	NC39	Cherokee County, NC	415 WHITAKER LN			-83.836435	35.200208	CHEROKEE COUNTY COMMUNITY
EUGENIO LAMBOY MD	ANDREWS	NC39	Cherokee County, NC				-83.8288	35.1981	EUGENIO LAMBOY MD
CAROLINA RESP CARE CLINIC	ANDREWS	NC39	Cherokee County, NC				-83.8288	35.1981	CAROLINA RESP CARE CLINIC
ANDREWS INTERNAL MEDICINE	ANDREWS	NC39	Cherokee County, NC				-83.8288	35.1981	ANDREWS INTERNAL MEDICINE
WALNUT ST SHOP	ANDREWS	NC39	Cherokee County, NC				-83.8288	35.1981	WALNUT ST SHOP
ANDREWS INTERNAL MEDICINE PA	ANDREWS	NC39	Cherokee County, NC	54 MEMORIAL DR			-83.837539	35.200788	ANDREWS INTERNAL MEDICINE PA
DR THOMAS V	ANDREWS	NC39	Cherokee	82 MEMORIAL			-83.83	35.200793	DR THOMAS V

CLAYTON			County, NC	L DR			6998		CLAYTON
LANE MOORE MD	ANDREWS	NC39	Cherokee County, NC	82 W MEMORIAL DR			-83.8258	35.2126	LANE MOORE MD
DARIUSZ CHROSTOWSKI MD	ANDREWS	NC39	Cherokee County, NC	68 MEMORIAL DR			-83.837269	35.20079	DARIUSZ CHROSTOWSKI MD
HLPNG HANDS ADULT SRVC OF WNC	ANDREWS	NC39	Cherokee County, NC	226 MAIN ST			-83.836194	35.201414	HLPNG HANDS ADULT SRVC WNC
SWAIN COUNTY HOSPITAL INC.	BRYSON CITY	NC173	Swain County, NC	45 PLATEAU ST			-83.445993	35.434794	SWAIN COUNTY HOSPITAL
SMOKY MNTN CTR FOR MNTL HLTH	BRYSON CITY	NC173	Swain County, NC	80 ACADEMY ST			-83.44631	35.425976	SMOKY MNTN CTR MNTL HLTH
SYLVA PEDIATRIC ASSOCS	BRYSON CITY	NC173	Swain County, NC	45 PLATEAU ST	ST E	230	-83.445993	35.434794	SYLVA PEDIATRIC ASSOCS
SYLVA ORTHOPEDICS	BRYSON CITY	NC173	Swain County, NC	45 PLATEAU ST			-83.445993	35.434794	SYLVA ORTHOPEDICS
SWAIN MEDICAL CTR PA	BRYSON CITY	NC173	Swain County, NC	45 PLATEAU ST	ST E	250	-83.445993	35.434794	SWAIN MEDICAL CTR PA
SWAIN COUNTY HOSPITAL	BRYSON CITY	NC173	Swain County, NC	545 CENTER ST			-83.444043	35.435851	SWAIN COUNTY HOSPITAL
WESTERN CAROLINA CRS PRGNNCY	BRYSON CITY	NC173	Swain County, NC	2360 DEEP GAP RD			-83.413855	35.343955	WESTERN CAROLINA CRS PRGNNCY
SMOKEY MOUNTAIN	BRYSON CITY	NC173	Swain	45 PLATEAU			-83.44	35.434794	SMOKEY MOUNTAIN

OBSTETRICS			County, NC	ST
CHUNG I W MD	BRYSON CITY	NC173	Swain County, NC	45 PLATEAU ST
DR MICHAEL HAMRICK OFFICE	BRYSON CITY	NC173	Swain County, NC	
SYLVA PEDIATRIC ASSOCS PA	BRYSON CITY	NC173	Swain County, NC	545 CENTER ST
MOUNTAIN SURGICAL ASSOCS	BRYSON CITY	NC173	Swain County, NC	20 PLATEAU ST
FONTANA MEDICAL CTR	BRYSON CITY	NC173	Swain County, NC	20 PLATEAU ST
SYLVA PEDIATRIC ASSOCS PA	BRYSON CITY	NC173	Swain County, NC	30 PLATEAU ST
MOUNTAIN AREA FAMILY MEDICINE	CASHIERS	NC99	Jackson County, NC	
CHEROKEE WOMENS WELLNESS CTR	CHEROKEE	NC173	Swain County, NC	
EASTERN BAND OF CHEROKEE IND	CHEROKEE	NC173	Swain County, NC	
HEALTH DELIVERY BUILDING	CHEROKEE	NC173	Swain County, NC	
HAYWOOD WOMENS	CLYDE	NC87	Haywood	

5993		OBSTETRICS
- 83.44 5993	35.43 4794	CHUNG I W MD
- 83.48 52	35.41 69	DR MICHAEL HAMRICK OFFICE
- 83.44 4043	35.43 5851	SYLVA PEDIATRIC ASSOCS PA
- 83.44 6471	35.43 4523	MOUNTAIN SURGICAL ASSOCS
- 83.44 6471	35.43 4523	FONTANA MEDICAL CTR
- 83.44 6414	35.43 4523	SYLVA PEDIATRIC ASSOCS PA
- 83.11 26	35.10 34	MOUNTAIN AREA FAMILY MEDICINE
- 83.31 51	35.47 18	CHEROKEE WOMENS WELLNESS CTR
- 83.31 51	35.47 18	EASTERN BAND CHEROKEE IND
- 83.31 51	35.47 18	HEALTH DELIVERY BUILDING
- 82.92	35.55 61	HAYWOOD WOMENS

MEDICAL CTR			County, NC	
ALL NATURAL HEALTHCARE ASCTN	CLYDE	NC87	Haywood County, NC	
ALLIE MAY FAMILY LLC	CULLOWHEE	NC99	Jackson County, NC	532 DURANT DR
BRANDES FAMILY LLC	CULLOWHEE	NC99	Jackson County, NC	532 DURANT DR
BRYSON FAMILY LLC	CULLOWHEE	NC99	Jackson County, NC	532 DURANT DR
MAGNETIC HEALTH MANAGEMENT	DILLSBORO	NC99	Jackson County, NC	
ANGEL COMM HOSPITAL	FRANKLIN	NC113	Macon County, NC	
ANGEL MEDICAL CTR INC.	FRANKLIN	NC113	Macon County, NC	170 CHURCH ST
ANGEL MEDICAL CTR	FRANKLIN	NC113	Macon County, NC	197 RIVERVIEW ST
SMOKY MNTN CTR FOR MNTL HLTH	FRANKLIN	NC113	Macon County, NC	100 THOMAS HEIGHTS RD
ANGEL MEDICAL CARE CTR	FRANKLIN	NC113	Macon County, NC	195 FRANKLIN PLAZA DR
MENTAL HEALTH	FRANKLIN	NC113	Macon	574 W PALMER

57		MEDICAL CTR
- 82.9257	35.5561	ALL NATURAL HEALTHCARE ASCTN
- 83.1743	35.197	ALLIE MAY FAMILY LLC
- 83.1743	35.197	BRANDES FAMILY LLC
- 83.1743	35.197	BRYSON FAMILY LLC
- 83.2493	35.3703	MAGNETIC HEALTH MANAGEMENT
- 83.3797	35.1811	ANGEL COMM HOSPITAL
- 83.380974	35.1831	ANGEL MEDICAL CTR
- 83.377443	35.184902	ANGEL MEDICAL CTR
- 83.366127	35.178379	SMOKY MNTN CTR MNTL HLTH
- 83.392228	35.165503	ANGEL MEDICAL CARE CTR
- 83.39	35.1781	MENTAL HEALTH

PROFESSIONALS			County, NC	ST				35		PROFESSIONALS
TURNING POINT SERVICES INC.	FRANKLIN	NC113	Macon County, NC	125 E PALMER ST				-83.3766	35.1774	TURNING POINT SERVICES
LEWIS & HYMAN MDS	FRANKLIN	NC113	Macon County, NC					-83.3797	35.1811	LEWIS HYMAN MDS
KING HELM & WOLF MDS	FRANKLIN	NC113	Macon County, NC	56 MEDICAL PARK DR	STATE	301		-83.37889	35.183968	KING HELM WOLF MDS
SAN HO CHOI MD	FRANKLIN	NC113	Macon County, NC	56 MEDICAL PARK DR	STATE	202		-83.37889	35.183968	SAN HO CHOI MD
EVERGREEN HOLISTIC HEALTH	FRANKLIN	NC113	Macon County, NC	1016 E MAIN ST				-83.368745	35.190069	EVERGREEN HOLISTIC HEALTH
FRESH START HEALTH THERAPIES	FRANKLIN	NC113	Macon County, NC	11 DERBY ST				-83.378307	35.182597	FRESH START HEALTH THERAPIES
THOMAS P ARCHER MD OBGYN	FRANKLIN	NC113	Macon County, NC	14 JEWEL LN				-83.3756	35.2664	THOMAS P ARCHER MD OBGYN
SMOKEY MNTN PRGNNCY CARE CTR	FRANKLIN	NC113	Macon County, NC	226 E PALMER ST				-83.3766	35.1774	SMOKEY MNTN PRGNNCY CARE CTR
BURRELL FAMILY	FRANKLIN	NC113	Macon County, NC	121 RIVERVIEW ST	STATE	B		-83.377387	35.184193	BURRELL FAMILY
ANGEL MEDICAL CTR	FRANKLIN	NC113	Macon County, NC	120 RIVERVIEW ST				-83.377703	35.1841	ANGEL MEDICAL CTR
FRANKLIN ORTHPD	FRANKLIN	NC113	Macon					-83.37	35.1811	FRANKLIN ORTHPD

SPECIALIS TS P			Coun ty, NC				97		SPECIALIS TS P
PEACE FAMILY LIMITED PRTNRSH	FRANKL IN	NC113	Maco n Coun ty, NC	1281 GEORGIA RD	S T E	422	- 83.39 1984	35.15 5955	PEACE FAMILY LIMITED PRTNRSH
MARYANN E MCNAMAR A FACP	FRANKL IN	NC113	Maco n Coun ty, NC	56 MEDICAL PARK DR	S T E	204	- 83.37 889	35.18 3968	MARYANN E MCNAMAR A FACP
GILBERTO ROBLES MD	FRANKL IN	NC113	Maco n Coun ty, NC	56 MEDICAL PARK DR	S T E	303	- 83.37 889	35.18 3968	GILBERTO ROBLES MD
JAILWALA JEEGAR MD	FRANKL IN	NC113	Maco n Coun ty, NC	56 MEDICAL PARK DR	S T E	203	- 83.37 889	35.18 3968	JAILWALA JEEGAR MD
CAROLINA GASTROEN TEROLO	FRANKL IN	NC113	Maco n Coun ty, NC	56 MEDICAL PARK DR	S T E	203	- 83.37 889	35.18 3968	CAROLINA GASTROEN TEROLO
KING GARLAND C MD	FRANKL IN	NC113	Maco n Coun ty, NC	56 MEDICAL PARK DR	S T E	301	- 83.37 889	35.18 3968	KING GARLAND C MD
MOUNTAIN REGIONAL UROLOGY PA	FRANKL IN	NC113	Maco n Coun ty, NC	56 MEDICAL PARK DR	S T E	302	- 83.37 889	35.18 3968	MOUNTAIN REGIONAL UROLOGY PA
PEDIATRIC ASSOCS FRANKLIN	FRANKL IN	NC113	Maco n Coun ty, NC	55 MEDICAL PARK DR	S T E	114	- 83.37 8911	35.18 3692	PEDIATRIC ASSOCS FRANKLIN
CAROLINA OPTOMOL OGY PA	FRANKL IN	NC113	Maco n Coun ty, NC	55 MEDICAL PARK DR	S T E	104	- 83.37 8911	35.18 3692	CAROLINA OPTOMOL OGY PA
KEGAN MICHAEL MD FACC	FRANKL IN	NC113	Maco n Coun ty, NC	55 MEDICAL PARK DR	S T E	108	- 83.37 8911	35.18 3692	KEGAN MICHAEL MD FACC
KAGA CHRISTEE	FRANKL IN	NC113	Maco n	2255 OLD MURPHY			- 83.41	35.16 6902	KAGA CHRISTEE

N S MD			County, NC	RD			7474		N S MD
BOYD WILLIAM M MD	FRANKLIN	NC113	Macon County, NC	240 W PALMER ST			- 83.3766	35.1774	BOYD WILLIAM M MD
MOUNTAIN EAR NOSE & THROAT ASC	FRANKLIN	NC113	Macon County, NC	66 HOLLY SPRINGS PARK D			- 83.3527	35.202	MOUNTAIN EAR NOSE THROAT ASC
WESTERN CAROLINA RETINAL ASC	FRANKLIN	NC113	Macon County, NC	66 HOLLY SPRINGS PARK D			- 83.3527	35.202	WESTERN CAROLINA RETINAL ASC
PELICAN SYSTEMS GROUP INC.	FRANKLIN	NC113	Macon County, NC	9 PATTON VALLEY FARMS R			- 83.416839	35.143279	PELICAN SYSTEMS GROUP
DAVIS TERRELL L MD FAAP	FRANKLIN	NC113	Macon County, NC	459 E MAIN ST	ST E	201	- 83.375842	35.184046	DAVIS TERRELL L MD FAAP
WESTERN CAROLINA DGSTV CNSLTNT	FRANKLIN	NC113	Macon County, NC	459 E MAIN ST			- 83.375842	35.184046	WESTERN CAROLINA DGSTV CNSLTNT
HELM KIT C MD	FRANKLIN	NC113	Macon County, NC	459 E MAIN ST			- 83.375842	35.184046	HELM KIT C MD
MOUNTAIN SIDE MEDICINE	FRANKLIN	NC113	Macon County, NC	459 E MAIN ST			- 83.375842	35.184046	MOUNTAIN SIDE MEDICINE
LCAI	FRANKLIN	NC113	Macon County, NC	190 RIVERVIEW ST			- 83.377782	35.184885	LCAI
SMOKEY MOUNTAIN HLTCR ASSOC	FRANKLIN	NC113	Macon County, NC	190 RIVERVIEW ST			- 83.377782	35.184885	SMOKEY MOUNTAIN HLTCR
SMOKY MOUNTAIN	FRANKLIN	NC113	Macon	190 RIVERVIEW			- 83.37	35.184885	SMOKY MOUNTAIN

HEALTHCARE			County, NC	W ST
MOUNTAIN EYE ASSOCS PLLC	FRANKLIN	NC113	Macon County, NC	320 W PALMER ST
NANTAHALA RADIOLOGY ASSOCS	FRANKLIN	NC113	Macon County, NC	778 HICKORY KNOLL RD
FRANKLIN MEDICAL CTR INC.	FRANKLIN	NC113	Macon County, NC	29 FRANKLIN PLZ
CTR FOR FAMILY MEDICINE	FRANKLIN	NC113	Macon County, NC	5 HOLLY SPRINGS PARK DR
COMPANION HEALTH CARE INC.	FRANKLIN	NC113	Macon County, NC	90 SILER RD
NEW MOUNTAIN MEDICINE PA	FRANKLIN	NC113	Macon County, NC	83 DEERFIELD RDG
BLUE LASER	FRANKLIN	NC113	Macon County, NC	2768 GEORGIA RD
SYLVA PEDIATRIC ASSOCS PA	FRANKLIN	NC113	Macon County, NC	5 HOLLY SPRINGS PARK DR
DR MARLES HYMAN	FRANKLIN	NC113	Macon County, NC	1018 E MAIN ST
CARE NET	FRANKLIN	NC113	Macon County, NC	32 NIKWASILN
MOUNTAIN REGIONAL	FRANKLIN	NC113	Macon	53 MEDICAL

7782		HEALTHCARE
- 83.3766	35.1774	MOUNTAIN EYE ASSOCS PLLC
- 83.365379	35.101073	NANTAHALA RADIOLOGY ASSOCS
- 83.392413	35.163747	FRANKLIN MEDICAL CTR
- 83.3527	35.202	CTR FAMILY MEDICINE
- 83.390443	35.164076	COMPANION HEALTH CARE
- 83.371984	35.166832	NEW MOUNTAIN MEDICINE PA
- 83.396816	35.13331	BLUE LASER
- 83.3527	35.202	SYLVA PEDIATRIC ASSOCS PA
- 83.368733	35.190091	DR MARLES HYMAN
- 83.3757	35.1839	CARE NET
- 83.37	35.183684	MOUNTAIN REGIONAL

UROLOGY			County, NC	PARK DR
GONZALEZ W EDWARD DR	FRANKLIN	NC113	Macon County, NC	492 SETTLER S LN
GOOD SHEPHERD HOME HLTH & HSPC	HAYESVILLE	NC43	Clay County, NC	
SMOKEY MTN COUNSELING CTR	HAYESVILLE	NC43	Clay County, NC	254 CHURCH ST
JAMES F SMITH MD	HAYESVILLE	NC43	Clay County, NC	88 LAKEVIEW DR
CLAY COMPREHENSIVE HEALTH SRVC	HAYESVILLE	NC43	Clay County, NC	
CLAY COUNTY HEALTH DEPT	HAYESVILLE	NC43	Clay County, NC	
CHATUGE FAMILY PRACTICE	HAYESVILLE	NC43	Clay County, NC	241 CHURCH ST
EMERGENCY MEDICAL GROUP	HAYESVILLE	NC43	Clay County, NC	423 LAKESHORE DR
BAY AREA IMAGING SERVICES INC.	HAYESVILLE	NC43	Clay County, NC	566 DYER COVE RD
CARPE DIEM FARMS	HIGHLANDS	NC113	Macon County, NC	544 WESTERN RHODES DR
HIGHLANDS CHSR HSPTL PHYSCN	HIGHLANDS	NC113	Macon County, NC	190 HOSPITAL DR
CASHIERS MEDICAL CTR	HIGHLANDS	NC113	Macon County	

8859		UROLOGY
- 83.51 8569	35.21 4526	GONZALEZ W EDWARD DR
- 83.82 39	35.04 49	GOOD SHEPHERD HOME HLTH HSPC
- 83.81 8237	35.04 6324	SMOKEY MTN COUNSELING CTR
- 83.84 3374	35.00 9466	JAMES F SMITH MD
- 83.82 39	35.04 49	CLAY COMPREHENSIVE HEALTH SRVC
- 83.82 39	35.04 49	CLAY COUNTY HEALTH DEPT
- 83.81 8032	35.04 654	CHATUGE FAMILY PRACTICE
- 83.81 1905	34.99 1646	EMERGENCY MEDICAL GROUP
- 83.83 22	35.05 62	BAY AREA IMAGING SERVICES
- 83.21 274	35.12 424	CARPE DIEM FARMS
- 83.18 6052	35.08 5563	HIGHLANDS CHSR HSPTL PHYSCN
- 83.22 28	35.07 39	CASHIERS MEDICAL CTR

PHYSICA			ty, NC						PHYSICA
CTR FOR PLASTIC SURGERY PA	HIGHLA NDS	NC113	Maco n Coun ty, NC				- 83.22 28	35.07 39	CTR PLASTIC SURGERY PA
BUCHANAN ROBERT DT MD FACCS	HIGHLA NDS	NC113	Maco n Coun ty, NC	479 SOUTH DR	S T E	1	- 83.19 0842	35.06 2719	BUCHANAN ROBERT DT MD FACCS
MOUNTAIN REGIONAL UROLOGY PA	HIGHLA NDS	NC113	Maco n Coun ty, NC	171 HOSPITAL DR			- 83.18 6192	35.08 526	MOUNTAIN REGIONAL UROLOGY PA
PLAUCHE HERBERT K MD	HIGHLA NDS	NC113	Maco n Coun ty, NC	171 HOSPITAL DR	S T E	400	- 83.18 6192	35.08 526	PLAUCHE HERBERT K MD
JOHN F BAUMRUC KER MD	HIGHLA NDS	NC113	Maco n Coun ty, NC	171 HOSPITAL DR			- 83.18 6192	35.08 526	JOHN F BAUMRUC KER MD
R CARTER DAVIS MD	HIGHLA NDS	NC113	Maco n Coun ty, NC	171 HOSPITAL DR	S T E	600	- 83.18 6192	35.08 526	R CARTER DAVIS MD
HIGHLAND S MEDICAL ASSOCS P	HIGHLA NDS	NC113	Maco n Coun ty, NC	209 HOSPITAL DR			- 83.18 6225	35.08 5749	HIGHLAND S MEDICAL ASSOCS P
JOHN J WILLIAMS JR & ASC	HIGHLA NDS	NC113	Maco n Coun ty, NC	15 HIDEAWA Y TRL			- 83.18 596	35.09 2918	JOHN J WILLIAMS JR ASC
HEALTHCA RE PROPERTY APPRAISE	HIGHLA NDS	NC113	Maco n Coun ty, NC	984 TWIN LAKES DR			- 83.14 1	35.03 7	HEALTHCA RE PROPERTY APPRAISE
RC DAVIS MD	HIGHLA NDS	NC113	Maco n Coun ty, NC	114 COBB RD			- 83.22 0847	35.05 2233	RC DAVIS MD
MOUNTAIN NEUROLO GY PLLC	HIGHLA NDS	NC113	Maco n Coun	29 HILLCRES T DR			- 83.16 7891	35.04 5183	MOUNTAIN NEUROLO GY PLLC

			ty, NC				
PERRY MARK & KAREN DR	MAGGIE VALL	NC87	Hayw ood Coun ty, NC	176 MOUNTAI NCREST RD	- 83.05 46	35.52 91	PERRY MARK KAREN DR
THE GRACE C FSHR FMLY LMTD P	MAGGIE VALL	NC87	Hayw ood Coun ty, NC	3131 SOCO RD	- 83.07 4338	35.51 1713	THE GRACE C FSHR FMLY LMTD P
SMOKY MOUNTAIN AREA MNTL HLTH	MARBLE	NC39	Cher okee Coun ty, NC	2183 AIRPORT RD	- 83.92 1985	35.17 9108	SMOKY MOUNTAIN AREA MNTL HLTH
Cherokee County Indian Health		MARBLE		NC40	Cherokee County, NC		???? AIRPORT RD
DIST MMRL HSPTL ANDRW NC	MURPH Y	NC39	Cher okee Coun ty, NC		- 84.04 36	35.08 29	DIST MMRL HSPTL ANDRW NC
MURPHY MDCL CTR EMRGNCY ROOM	MURPH Y	NC39	Cher okee Coun ty, NC	4130 E US HIGHWAY 64	- 83.96 13	35.07 44	MURPHY MDCL CTR EMRGNCY ROOM
LIFESPAN	MURPH Y	NC39	Cher okee Coun ty, NC	1978 US 64 HWY W	- 84.06 1833	35.06 5092	LIFESPAN
MYOTHER APY CLINIC	MURPH Y	NC39	Cher okee Coun ty, NC	37 N CHURCH ST	- 84.03 5486	35.08 8069	MYOTHER APY CLINIC
DEVELOPM ENTAL EVALUATIO N CTR	MURPH Y	NC39	Cher okee Coun ty, NC	8 SPRINGD ALE ST	- 84.03 09	35.08 65	DEVELOPM ENTAL EVALUATIO N CTR
MMC URGENT CARE	MURPH Y	NC39	Cher okee Coun ty, NC	1164 ANDREW S RD	- 84.01 1654	35.10 7302	MMCURGE NT CARE
SMOKY MNTN CTR FOR MNTL HLTH	MURPH Y	NC39	Cher okee Coun ty, NC	19 HIGH RD	- 84.04 31	35.07 92	SMOKY MNTN CTR MNTL HLTH

THE COMPUTE R WORKSHO P INC.	MURPH Y	NC39	Cher okee Coun ty, NC	17 VALLEY RIVER AVE	S T E	1	- 84.03 3154	35.08 8284	THE COMPUTE R WORKSHO P
THE ZONE HEALTH & FITNESS INC.	MURPH Y	NC39	Cher okee Coun ty, NC	2498 MISSION RD			- 83.93 0056	35.08 8942	THE ZONE HEALTH FITNESS
LARRY HOLDER MD	MURPH Y	NC39	Cher okee Coun ty, NC				- 84.04 36	35.08 29	LARRY HOLDER MD
PEACH TREE INTERNAL MEDICINE	MURPH Y	NC39	Cher okee Coun ty, NC				- 84.04 36	35.08 29	PEACH TREE INTERNAL MEDICINE
GOSSETT WILLIAM	MURPH Y	NC39	Cher okee Coun ty, NC				- 84.04 36	35.08 29	GOSSETT WILLIAM
JAMES R MOCK MD	MURPH Y	NC39	Cher okee Coun ty, NC				- 84.04 36	35.08 29	JAMES R MOCK MD
RASHID H KHAN MD PA	MURPH Y	NC39	Cher okee Coun ty, NC				- 84.04 36	35.08 29	RASHID H KHAN MD PA
DIST MEDICAL CTR	MURPH Y	NC39	Cher okee Coun ty, NC	4130 E US HIGHWAY 64			- 83.96 13	35.07 44	DIST MEDICAL CTR
EMERGEN CY DEPT	MURPH Y	NC39	Cher okee Coun ty, NC	4130 E US HIGHWAY 64			- 83.96 13	35.07 44	EMERGEN CY DEPT
PEACHTRE E PEDIATRIC	MURPH Y	NC39	Cher okee Coun ty, NC	125 MEDICAL PARK LN	S T E	H	- 83.98 35	35.05 72	PEACHTRE E PEDIATRIC
VALLEY RIVER MEDICAL GROUP	MURPH Y	NC39	Cher okee Coun ty, NC	125 MEDICAL PARK LN	S T E	G	- 83.98 35	35.05 72	VALLEY RIVER MEDICAL GROUP

CHATUGE FAMILY PRACTICE	MURPHY	NC39	Cherokee County, NC	125 MEDICAL PARK LN			-83.9835	35.0572	CHATUGE FAMILY PRACTICE
KORDUS MICHAEL J MD	MURPHY	NC39	Cherokee County, NC	125 MEDICAL PARK LN	ST	F	-83.9835	35.0572	KORDUS MICHAEL J MD
NANTAHAL A WOMENS HEALTH CARE	MURPHY	NC39	Cherokee County, NC	75 MEDICAL PARK LN	#	D	-83.9613	35.0744	NANTAHAL A WOMENS HEALTH CARE
MORELAND ROBERT E MD	MURPHY	NC39	Cherokee County, NC	75 MEDICAL PARK LN	ST	C	-83.9613	35.0744	MORELAND ROBERT E MD
HELLER MICHAEL MD	MURPHY	NC39	Cherokee County, NC	75 MEDICAL PARK LN			-83.9613	35.0744	HELLER MICHAEL MD
OLDER LARRY B MD	MURPHY	NC39	Cherokee County, NC	75 MEDICAL PARK LN	APT	A	-83.9613	35.0744	OLDER LARRY B MD
PEACHTREE ORTHOPEDIC	MURPHY	NC39	Cherokee County, NC	75 MEDICAL PARK LN	#	B	-83.9613	35.0744	PEACHTREE ORTHOPEDIC
FASHID CHAN MD PA	MURPHY	NC39	Cherokee County, NC	536 US 64 HWY W			-84.042091	35.077424	FASHID CHAN MD PA
DANIEL EICHENBAUM MD PA	MURPHY	NC39	Cherokee County, NC	1321 US HIGHWAY 64 W			-84.053772	35.072025	DANIEL EICHENBAUM MD PA
LESLIE PEARLSTEIN MD	MURPHY	NC39	Cherokee County, NC	145 MEDICAL PARK LN	ST	J	-83.9613	35.0744	LESLIE PEARLSTEIN MD
ANATAHAL A ORTHOPEDICS GROUP	MURPHY	NC39	Cherokee County, NC	145 MEDICAL PARK LN			-83.9613	35.0744	ANATAHAL A ORTHOPEDICS GROUP

MOCK R JAMES MD	MURPHY	NC39	Cherokee County, NC	145 MEDICAL PARK LN	STEL		-83.9613	35.0744	MOCK R JAMES MD
MEINECKE HENRY M MD	MURPHY	NC39	Cherokee County, NC	4188 E US HIGHWAY 64			-83.9613	35.0744	MEINECKE HENRY M MD
MURPHY FAMILY HEALTH	MURPHY	NC39	Cherokee County, NC	4188 E US HIGHWAY 64			-83.9613	35.0744	MURPHY FAMILY HEALTH
DAVID J MOCK MD PA	MURPHY	NC39	Cherokee County, NC	3905 E US HIGHWAY 64			-83.9613	35.0744	DAVID J MOCK MD PA
EUGENIO LAMBOY MD PA	MURPHY	NC39	Cherokee County, NC	3905 E US HIGHWAY 64	STE7		-83.9613	35.0744	EUGENIO LAMBOY MD PA
MOUNTAIN REGIONAL CANCER CNTR	MURPHY	NC39	Cherokee County, NC	4251 E US HIGHWAY 64			-83.9613	35.0744	MOUNTAIN REGIONAL CANCER CNTR
DANIEL MORRISON MD	MURPHY	NC39	Cherokee County, NC	75B MEDICAL PARK LN			-83.9613	35.0744	DANIEL MORRISON MD
NANTAHAL A WOMENS HEALTH CARE	MURPHY	NC39	Cherokee County, NC	2122 USHWY 64	STE D		-84.062659	35.063205	NANTAHAL A WOMENS HEALTH CARE
RICH WILL DO IT LLC	MURPHY	NC39	Cherokee County, NC	659 JOHNSON RD			-84.0756	35.0488	RICH WILL DO IT LLC
CORA SUE HBRD FMLY LMTD PART	MURPHY	NC39	Cherokee County, NC	1024 COOK BRIDGE RD			-84.106248	35.002592	CORA SUE HBRD FMLY LMTD PART
MEDIA IMAGING GROUP	OTTO	NC113	Macon County, NC				-83.4136	35.0477	MEDIA IMAGING GROUP

HEALING HOUSE INC.	ROBBINSVILLE	NC75	Graham County, NC		-83.7953	35.3203	HEALING HOUSE
GRAHAM CO.	ROBBINSVILLE	NC75	Graham County, NC	424 BLUE BOAR RD	-83.8181	35.3129	GRAHAM
CHEOAH CLINIC	ROBBINSVILLE	NC75	Graham County, NC		-83.7953	35.3203	CHEOAH CLINIC
Snowbird Health Clinic		ROBBINSVILLE	NC76	Graham County, NC	96 Snowbird School Rd		
MMC PHYS CARE	ROBBINSVILLE	NC75	Graham County, NC		-83.7953	35.3203	MMCPHYS CARE
SWAIN CNTY HOSPITAL INC.	SYLVA	NC99	Jackson County, NC	68 HOSPITAL RD	-83.205535	35.389054	SWAIN CNTY HOSPITAL
HARRIS REGIONAL HOSPITAL	SYLVA	NC99	Jackson County, NC	68 HOSPITAL RD	-83.205535	35.389054	HARRIS REGIONAL HOSPITAL
WESTCARE	SYLVA	NC99	Jackson County, NC	68 HOSPITAL RD	-83.205535	35.389054	WESTCARE
WEST CARE HEALTH SYSTEM HSPTL	SYLVA	NC99	Jackson County, NC	68 HOSPITAL RD	-83.205535	35.389054	WEST CARE HEALTH SYSTEM HSPTL
WESTCARE HEALTH SYSTEMS	SYLVA	NC99	Jackson County, NC	64 HOSPITAL RD	-83.205537	35.389058	WESTCARE HEALTH SYSTEMS
WESTCARE HEALTH SYSTEM	SYLVA	NC99	Jackson County, NC	59 HOSPITAL RD	-83.205828	35.38892	WESTCARE HEALTH SYSTEM
CJ HARRIS COMM HOSPITAL	SYLVA	NC99	Jackson County, NC	59 HOSPITAL RD	-83.205828	35.38892	CJ HARRIS COMM HOSPITAL

			ty, NC						
WESTCAR E HOME HEALTH & HOSPICE	SYLVA	NC99	Jack son Coun ty, NC	132 SYLVA PLZ			- 83.21 99	35.37 65	WESTCAR E HOME HEALTH HOSPICE
MOUNT TRACE NURSING CTR	SYLVA	NC99	Jack son Coun ty, NC	417 MOUNTAI N TRACE RD			- 83.23 0016	35.33 8175	MOUNT TRACE NURSING CTR
NEW BEGINNING S	SYLVA	NC99	Jack son Coun ty, NC	500 MILL ST			- 83.22 3501	35.37 3945	NEW BEGINNING S
ACCESS CNC INC.	SYLVA	NC99	Jack son Coun ty, NC	40 COLONIAL SQ			- 83.21 3	35.37 58	ACCESS CNC
SYLVA ORTHOPE DICS	SYLVA	NC99	Jack son Coun ty, NC	68 HOSPITAL RD			- 83.20 5535	35.38 9054	SYLVA ORTHOPE DICS
SUMMIT RADIOLOG Y ASSOCS PA	SYLVA	NC99	Jack son Coun ty, NC	68 HOSPITAL RD			- 83.20 5535	35.38 9054	SUMMIT RADIOLOG Y ASSOCS PA
MOUNTAIN SURGICAL ASSOCS PA	SYLVA	NC99	Jack son Coun ty, NC				- 83.11 18	35.43 08	MOUNTAIN SURGICAL ASSOCS PA
SMOKEY MOUNTAIN CTR FOR MENTAL	SYLVA	NC99	Jack son Coun ty, NC	154 MEDICAL PARK LOOP			- 83.20 1685	35.38 6514	SMOKEY MOUNTAIN CTR MENTAL
MERIDIAN BEHAVIOR AL HLTH SRVC	SYLVA	NC99	Jack son Coun ty, NC	154 MEDICAL PARK LOOP			- 83.20 1685	35.38 6514	MERIDIAN BEHAVIOR AL HLTH SRVC
WESTERN CAROLINA WOMANCA RE	SYLVA	NC99	Jack son Coun ty, NC	186 MEDICAL PARK LOOP	S T E	503	- 83.20 1437	35.38 6176	WESTERN CAROLINA WOMANCA RE
SYLVA CARDIOLO GY	SYLVA	NC99	Jack son Coun	70 WESTCAR E DR	S T E	401	- 83.21 99	35.37 65	SYLVA CARDIOLO GY

ASSOCS			ty, NC						ASSOCS
MOUNTAIN NEUROLO GY	SYLVA	NC99	Jack son Coun ty, NC	137 MEDICAL PARK LOOP			- 83.20 2103	35.38 6648	MOUNTAIN NEUROLO GY
ALTERNATI VE HEALTH TREATMEN TS IN	SYLVA	NC99	Jack son Coun ty, NC	549 CAGLE COVE RD			- 83.24 1	35.36 69	ALTERNATI VE HEALTH TREATMEN TS
MOUNTAIN AREA SUPPORT SERVICES	SYLVA	NC99	Jack son Coun ty, NC	719 FISHER CREEK RD			- 83.19 242	35.41 187	MOUNTAIN AREA SUPPORT SERVICES
OCCUPATI ONAL HEALTH MANAGEM ENT	SYLVA	NC99	Jack son Coun ty, NC	68 HOSPITAL RD			- 83.20 5535	35.38 9054	OCCUPATI ONAL HEALTH MANAGEM ENT
WOLF THOMAS MD	SYLVA	NC99	Jack son Coun ty, NC	68 HOSPITAL RD			- 83.20 5535	35.38 9054	WOLF THOMAS MD
CAROLINA WEST SPORTS MEDICINE	SYLVA	NC99	Jack son Coun ty, NC	68 HOSPITAL RD			- 83.20 5535	35.38 9054	CAROLINA WEST SPORTS MEDICINE
SYLVA ANESTHES IOLOGY	SYLVA	NC99	Jack son Coun ty, NC	68 HOSPITAL RD			- 83.20 5535	35.38 9054	SYLVA ANESTHES IOLOGY
WELL SPRING FAMILY PRACTICE	SYLVA	NC99	Jack son Coun ty, NC	59 HOSPITAL RD			- 83.20 5828	35.38 892	WELL SPRING FAMILY PRACTICE
SYLVA PEDS ASSOCS	SYLVA	NC99	Jack son Coun ty, NC	193 ASHEVILL E HWY	S T E	200	- 83.21 2089	35.37 7503	SYLVA PEDS ASSOCS
BEAUCHE MIN RICHARD JR MD	SYLVA	NC99	Jack son Coun ty, NC	193 ASHEVILL E HWY			- 83.21 2089	35.37 7503	BEAUCHE MIN RICHARD JR MD
BRASWELL W K MD	SYLVA	NC99	Jack son Coun	26 WESTCAR E DR	S T E	301	- 83.21 99	35.37 65	BRASWELL WK MD

			ty, NC						
STACK PHILIP E MD	SYLVA	NC99	Jack son Coun ty, NC	26 WESTCAR E DR	S T E	304	- 83.21 99	35.37 65	STACK PHILIP E MD
WESTERN CAROLINA REGIONAL CNCR	SYLVA	NC99	Jack son Coun ty, NC	26 WESTCAR E DR	S T E	302	- 83.21 99	35.37 65	WESTERN CAROLINA REGIONAL CNCR
BRANNING PAMELA MD	SYLVA	NC99	Jack son Coun ty, NC	186 MEDICAL PARK LOOP	A P T	503	- 83.20 1437	35.38 6176	BRANNING PAMELA MD
SYLVA PEDIATRIC S ASSOCS PA	SYLVA	NC99	Jack son Coun ty, NC	186 MEDICAL PARK LOOP	#	501	- 83.20 1437	35.38 6176	SYLVA PEDIATRIC S ASSOCS PA
BUCHANAN ROBERT T MD FACS	SYLVA	NC99	Jack son Coun ty, NC	186 MEDICAL PARK LOOP			- 83.20 1437	35.38 6176	BUCHANAN ROBERT T MD FACS
SYLVA DIALYSIS CTR	SYLVA	NC99	Jack son Coun ty, NC	655 ASHEVILL E HWY			- 83.20 5405	35.38 1218	SYLVA DIALYSIS CTR
MOUNTAIN SURGICAL	SYLVA	NC99	Jack son Coun ty, NC	37 MEDICAL PARK LOOP			- 83.20 3719	35.38 7445	MOUNTAIN SURGICAL
SIMS WILLIAM L MD	SYLVA	NC99	Jack son Coun ty, NC	37 MEDICAL PARK LOOP	S T E	103	- 83.20 3719	35.38 7445	SIMS WILLIAM L MD
SYLVA FAMILY PRACTICE	SYLVA	NC99	Jack son Coun ty, NC	430 FISHER CREEK RD			- 83.19 1342	35.41 5699	SYLVA FAMILY PRACTICE
SMOKEY MOUNTAIN OB	SYLVA	NC99	Jack son Coun ty, NC	81 MEDICAL PARK LOOP	S T E	202	- 83.20 2743	35.38 7211	SMOKEY MOUNTAIN OB
MOUNTAIN REGIONAL OBGYN	SYLVA	NC99	Jack son Coun	81 MEDICAL PARK			- 83.20 2743	35.38 7211	MOUNTAIN REGIONAL OBGYN

			ty, NC	LOOP					
BEAUCHE MIN RICHARD R MD	SYLVA	NC99	Jack son Coun ty, NC	70 WESTCAR E DR	S T E	403	- 83.21 99	35.37 65	BEAUCHE MIN RICHARD R MD
WLSPRNG FMLY PRCTC P A	SYLVA	NC99	Jack son Coun ty, NC	70 WESTCAR E DR	S T E	402	- 83.21 99	35.37 65	WLSPRNG FMLY PRCTC PA
SYLVA ORTHOPAE DIC ASSOCS PA	SYLVA	NC99	Jack son Coun ty, NC	64 EASTGAT E DR			- 83.21 3	35.37 58	SYLVA ORTHOPAE DIC ASSOCS PA
WESTERN CAROLINA PLMNRY & CRTC	SYLVA	NC99	Jack son Coun ty, NC	137 MEDICAL PARK LOOP			- 83.20 2103	35.38 6648	WESTERN CAROLINA PLMNRY CRTC
BENJAMIN DOUGLAS MD	SYLVA	NC99	Jack son Coun ty, NC	40 MITCHELL RD			- 83.20 7797	35.39 1673	BENJAMIN DOUGLAS MD
CAROLINA SPORTS MEDICINE	SYLVA	NC99	Jack son Coun ty, NC	57 EASTGAT E DR			- 83.21 3	35.37 58	CAROLINA SPORTS MEDICINE
SYLVA UROLOGY	SYLVA	NC99	Jack son Coun ty, NC	74 EASTGAT E DR			- 83.21 3	35.37 58	SYLVA UROLOGY
UROLOGIC AL P SYLVA	SYLVA	NC99	Jack son Coun ty, NC	74 EASTGAT E DR			- 83.21 3	35.37 58	UROLOGIC AL P SYLVA
SYLVA WOMENS CLINIC	SYLVA	NC99	Jack son Coun ty, NC	111 CENTRAL ST			- 83.22 4213	35.37 5826	SYLVA WOMENS CLINIC
CAROLINA WEST RADIOLOG Y PA	SYLVA	NC99	Jack son Coun ty, NC	78 CARVER MOUNTAI N VLY			- 83.17 8785	35.38 4207	CAROLINA WEST RADIOLOG Y PA
JACK DAVIS MD	SYLVA	NC99	Jack son Coun	322 W MAIN ST			- 83.21 8995	35.37 437	JACK DAVIS MD

			ty, NC	
MOUNTAIN REGIONAL CANCER CNTR	SYLVA	NC99	Jack son Coun ty, NC	14 MEDICAL PARK LOOP
CRISP FAMILY LLC	SYLVA	NC99	Jack son Coun ty, NC	556 FALLS CIR
CNCR CARE OF WSTRN NORTH CRLN	SYLVA	NC99	Jack son Coun ty, NC	73 EASTGAT E DR
WNC INTERNAL MEDICINE LS	SYLVA	NC99	Jack son Coun ty, NC	63 HEALTHC ARE DR
WILSON THOMAS C FAMILY PRCTC	SYLVA	NC99	Jack son Coun ty, NC	47 E FORK RD
GATEWAY INC.	WAYNE SVILLE	NC87	Hayw ood Coun ty, NC	1406 DELLWOO D RD
SOLID SURFACE SPECIALIS TS LLC	WAYNE SVILLE	NC87	Hayw ood Coun ty, NC	103 RICE DR
CTR FOR EFFECTIVE LIVING	WAYNE SVILLE	NC87	Hayw ood Coun ty, NC	375 PARADISE LN
MENS MEDICAL CTR	WEBST ER	NC99	Jack son Coun ty, NC	
WESTERN CAROLINA CRS PRGNNCY	WHITTIE R	NC99	Jack son Coun ty, NC	8716 US HIGHWAY 74 W

- 83.20 4031	35.38 75	MOUNTAIN REGIONAL CANCER CNTR
- 83.21 26	35.37 26	CRISP FAMILY LLC
- 83.21 3	35.37 58	CNCR CARE WSTRN NORTH CRLN
- 83.21 3	35.37 58	WNC INTERNAL MEDICINE LS
- 83.26 25	35.29 35	WILSON THOMAS C FAMILY PRCTC
- 82.99 6086	35.52 7235	GATEWAY
- 83.03 31	35.56 58	SOLID SURFACE SPECIALIS TS LLC
- 83.03 8347	35.53 8411	CTR EFFECTIVE LIVING
- 83.21 95	35.34 56	MENS MEDICAL CTR
- 83.29 3158	35.38 8054	WESTERN CAROLINA CRS PRGNNCY

8. MANAGEMENT EXPERIENCE

Western Carolina University

Western Carolina University has more than ample personnel from which to draw all the necessary management experience. The Principal Investigator and Co-project Directors for the this project are Assistant Professors within the College of Applied Sciences with over three decades of research, education and management experience.

Eastern Band of Cherokee Indians

The Eastern Band of Cherokee Indians long realized a need to increase its efficacy to provide effective and efficient resources in health care. The Tribe has plans to utilize three departments or divisions to collaborate in this project. They include Tribal Health and Medical Division, Tribal information and Technology, and Tribal Planning and Development. All three have been steeped in technology and health care or both. The need has been promulgated by the diabetes epidemic and other stimuli that are all too common in Indian Country or to mountain living in western North Carolina.

Partnerships for the three to support this project range and are measureable to all three.

Planning and Development- The creation of the membership-based limited liability corporation of BalsamWest FiberNET, which was created to help spark economic, social, and cultural development and preservation through the use of fiber optics, high speed Internet, and broadband data transport. The Planning Office is also working to develop a video conference center and other areas that may work as a communications head-in while constructing an emergency operation center for the Tribe.

Information and Technology- This department is responsible for the installation, implementation, and oversight of all software and hardware use of technology in the Tribe. Once many resources have been developed through the Planning and Development office the IT department will oversee the final work product.

Health and Medical Division- This Division works to provide medical services and treatment to enrolled member for accidents to chronic diseases. While different from the Cherokee Indian Hospital Authority, this Division provides medical services ancillary to the hospital. The Health and Medical Division works to develop new and innovative ways of providing these services so that effectiveness and efficiency are maximized to preserve the quality of human life. The use of technology like telemedicine is just one avenue the Tribe wishes to pursue this goal to preserve human life and improve the quality that is saved.

This project has programmatic support through planning. We have broadly documented this project through our Comprehensive Economic Development Strategy, Eastern Band of Cherokee Emergency Operation Plan.

Jackson County Department of Health

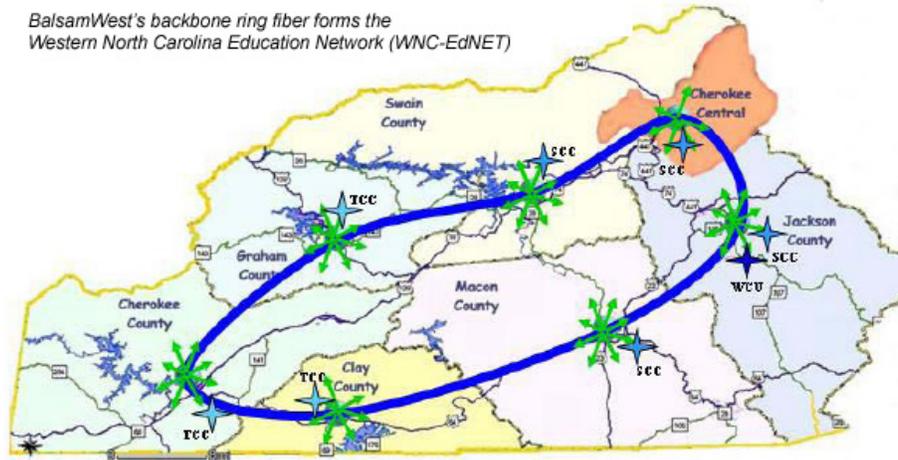


BalsamWest FiberNet

Tri-State Appalachian Region Ultra-High-Speed Fiber Optic Network

- BalsamWest FiberNet was formed in 2003 by Drake Enterprises Ltd. and The Eastern Band of Cherokee Indians. Drake and the Tribe invested **\$14 million** in BalsamWest FiberNET.
- Phase I connectivity of the Western North Carolina Education Network (WNC-EdNET) is the first rollout of the network to bring next-generation, ultra-high capacity communication capabilities (e.g. voice, video and data) to more than **70** school sites in the isolated Appalachian region, including rural K-12 schools, community colleges and a regional university.
- The underground fiber-optic ring deployed by BalsamWest spans approximately **300 miles** in the Appalachian region.
- BalsamWest's unique **business model** allows for projects such as WNC-EdNET to enhance quality of life in the mountain communities in its network footprint.
- The WNC-EdNET pipeline originates in Sylva, N.C., and currently serves **45** school sites in the counties of Clay, Cherokee, Graham, Jackson, Macon and Swain, and the Qualla Boundary of the Eastern Band of Cherokee Indians. The schools own and control this fiber optic network.
- By forming strategic local alliances called "ASAP Partners," BalsamWest was able to save the schools more than **\$60 million** of the prevailing market cost of advanced infrastructure.

The network delivers bandwidth of one gigabit per second in Phase I – equivalent to nearly **13,000** simultaneous phone calls.



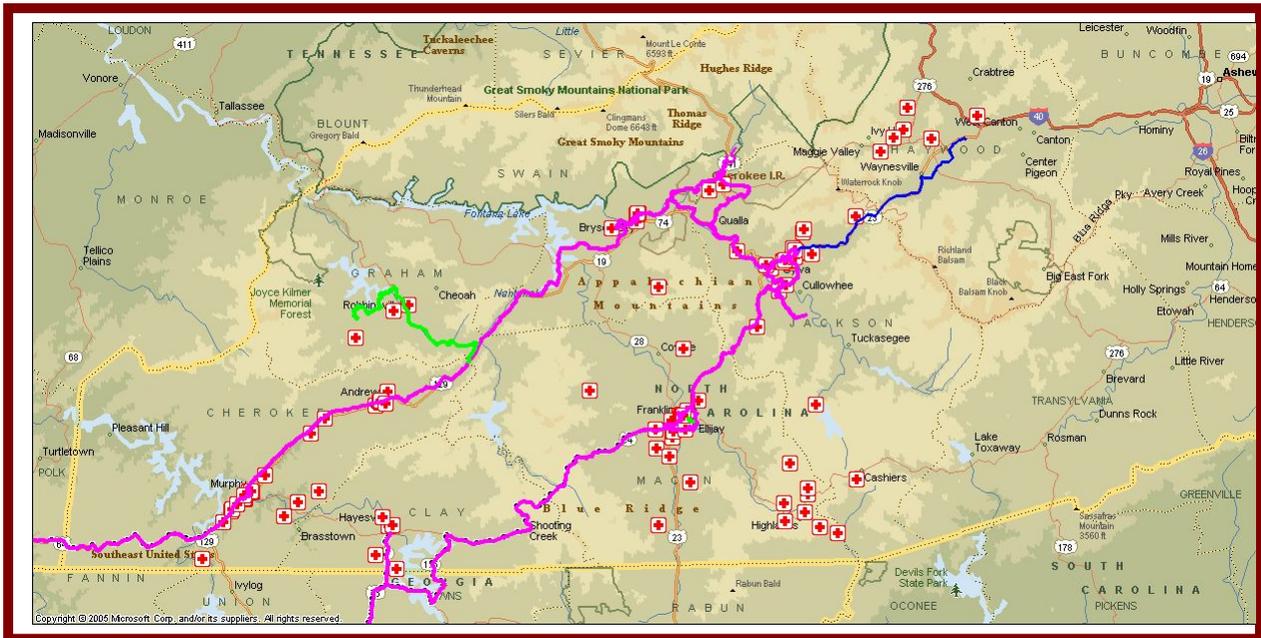
9. PROJECT MANAGEMENT PLAN

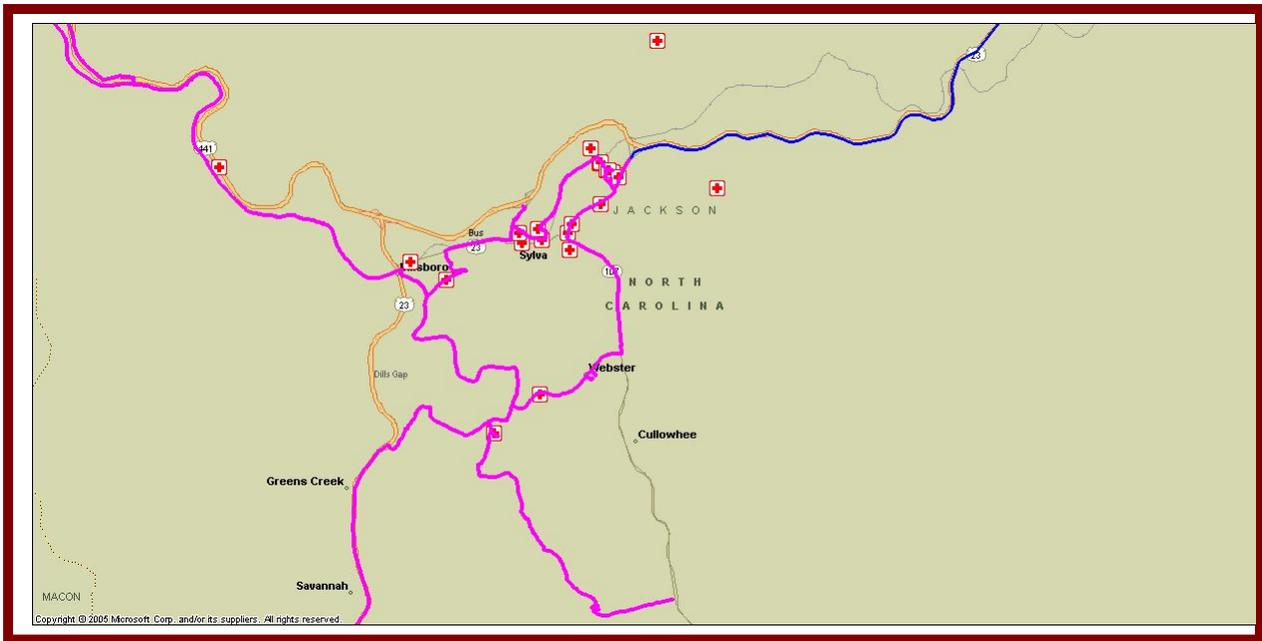
The Principal Investigator and Co-Project Directors are currently seeking advice and counsel on best practices for implementation of this project in conjunction with the EBCI. The involvement of tribal lands, mountainous terrain and the three-county area of deployment requires substantial expertise and consideration. If considered for this pilot program, a management plan consistent with the goals and objectives of the Commission and this proposed project will be adopted.

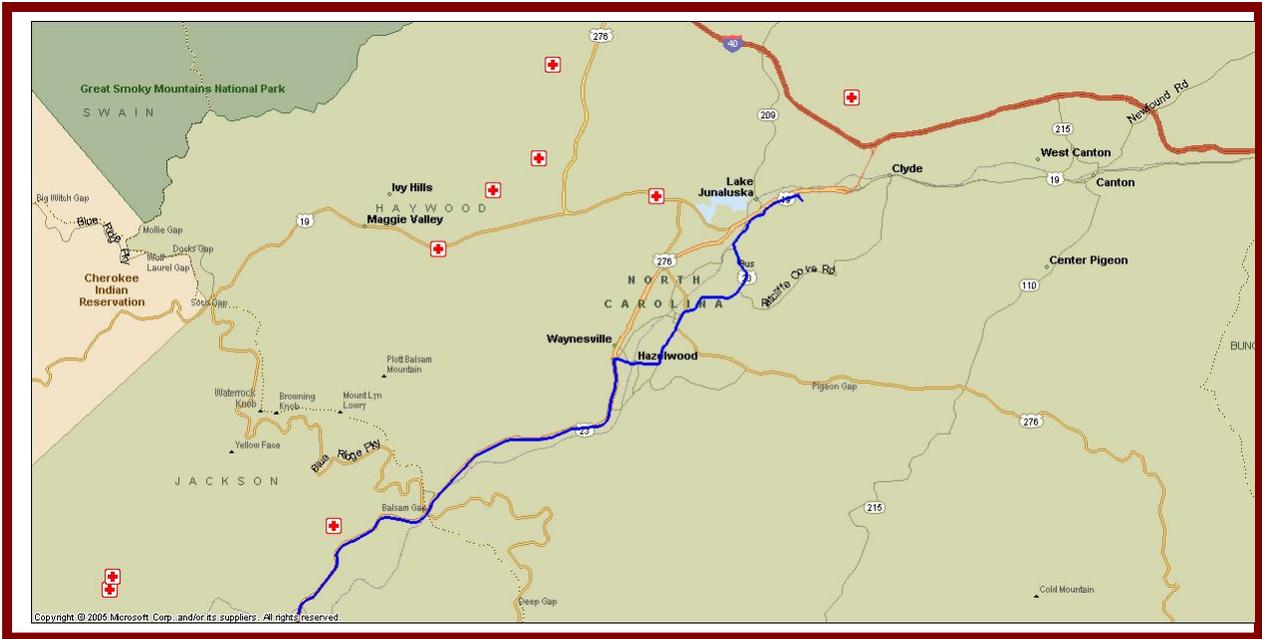
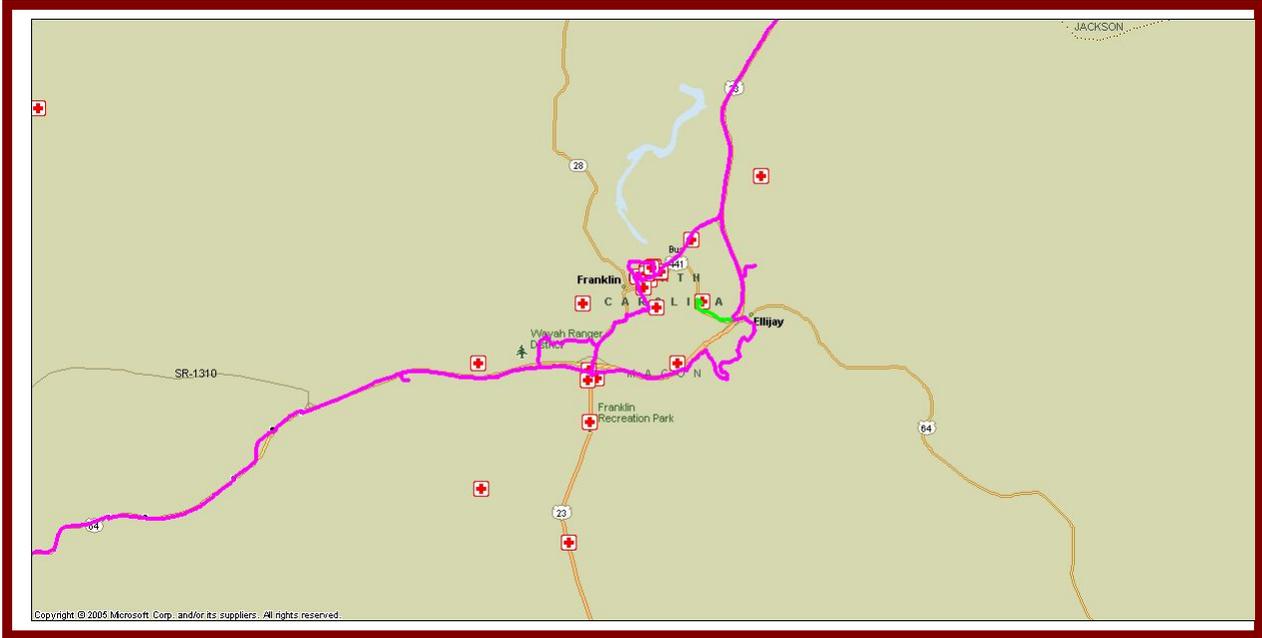
10. PROGRAM COORDINATION

The telemedicine program will be conducted in conjunction with the ongoing efforts of the ECBI and WCU. This proposal anticipates substantial expansion of those efforts to include the proposed areas and the participating health care providers.

The maps that follow describe areas and providers to be connected:







11. SELF-SUSTAINABILITY

There are valuable lessons to be learned from successful models in place. This project intends to draw upon those success stories that will enable this effort to sustain itself and provide benefits for years to come.