



## RURAL NEBRASKA HEALTHCARE NETWORK IMPROVING THE WAY HEALTHCARE IS ADMINISTERED IN THE PANHANDLE

Adesta constructed the Rural Nebraska Healthcare Network (RNHN); a 750-mile, \$18M fiber-optic network that spans 12 counties in western Nebraska.

RNHN is a consortium of nine primary care hospitals and dozens of clinics. The 750-mile network connects these entities, and provides connection to national research networks such as National Lambda Rail and Internet 2 in Denver, Colorado. Now complete, RNHN is one of the most progressive and robust medical networks in the state. The project used federal funding under the Rural Healthcare Pilot Program of the Federal Communications Commission (FCC), in conjunction with additional funding from Zayo Group and the support of Regional West Foundation and Fiber Utilities Group.

The improved speed and capacity is transforming how healthcare is delivered in western Nebraska by facilitating new Healthcare Information Technologies such as: global patient index enabling electronic medical records, teletrauma/remote trauma diagnosis, integrated results and laboratory management, telepharmacy, syndromic surveillance, portal access, and connectivity to national research networks (12 / National Lambda Rail) and the Center for Disease Control. These benefits are improving the quality of care, lowering costs, reducing medical and records errors, facilitating state-of-the-art medical technology, and ultimately saving lives.

"This advanced medical network is improving the way healthcare is administered in the panhandle by providing patients with many new benefits including real-time access and electronic medical records," said the President of Adesta. "It is lowering costs, reducing error and ultimately, saving lives. We are proud to be a part of something that makes such a difference in our home state of Nebraska."

To underscore the significance of what it can mean to go from the current T1 line system to this type of fiber optic capacity, Dr.

Sorenson, President and CEO of Regional West Health Services, had this to say: "Prior to the construction of RNHN, a patient's CT scan was sent via T1 line to a receiving hospital at the same time the patient was placed in an ambulance for transfer to that same hospital. The patient arrived before the CT scan transmission was completed. While it might not be the norm, it illustrates how much can be gained by the nearly instantaneous transmission this network will offer."

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