

“Access for ENT services has improved dramatically in regions using telemedicine. In some of these regions, wait times for ENT services have decreased from six months to essentially no delay for care.”

John Kokesh, MD
Chief of Otolaryngology,
Alaska Native Medical Center



Irene McGlashan at the Oonalaska Wellness Center in Dutch Harbor, Alaska transmits an electrocardiogram (ECG) to a referral physician in Anchorage.

Dutch Harbor is located on Unalaska, a remote island in the Aleutian Chain, 800 air miles from Anchorage.



AFHCAN and the Alaska Native Tribal Health Consortium

The Alaska Federal Health Care Access Network (AFHCAN) began as a project of the Alaska Federal Health Care Partnership (AFHCP) in 1998 to improve health care for federal beneficiaries in Alaska using telemedicine technology. During the early years of the project there was overwhelming response for creating a store-and-forward telemedicine system in Alaska. The Alaska Native Tribal Health Consortium (ANTHC) is the managing partner of AFHCAN. ANTHC is a tribal organization, as defined in 25 U.S.C. 450 (b) (c).

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Alaska Native
Tribal Health Consortium

*Access to health care professionals
regardless of where you are...
Telehealth solutions brought to you by AFHCAN*



AFHCAN

Access Without Limits

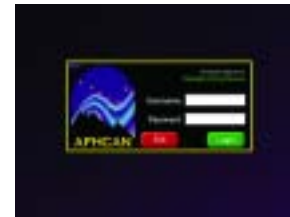
Whole Product Solution

The AFHCAN telehealth platform is a secure and proven “store and forward” technology that increases the quality and accessibility of health care at the point of patient contact. The AFHCAN system provides an innovative approach to ease of use, mobility, support for widely varying clinical workflows, and a robust communication platform. AFHCAN offers a whole product solution that includes:

- Store and Forward Telehealth Software
- Automatic Software Updates
- Application Hosting Services with Third Party ASP's
- AFHCAN Telehealth Cart and other Platforms
- Integrated Biomedical Peripherals
- Clinical Workflow Assessments
- Certified Training for Administrators, Users, and Support Staff
- Service Level Agreements (SLAs)
- Help Desk / Customer Support
- Remote Monitoring

AFHCAN Software

The heart of the AFHCAN store-and-forward telehealth system is the AFHCAN Software designed to support existing clinical relationships between organizations. Our goal is not to require new business rules, but to enable and facilitate healthcare delivery. The “Enterprise Solution” allows autonomous health care organizations to share multimedia telehealth data in a controlled, secure and robust manner consistent with HIPAA Privacy and Security Requirements.



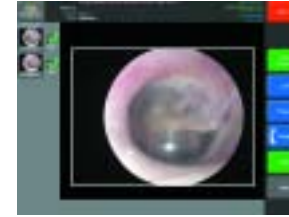
1. Begin at the login page to start using the software



2. The user then has four choices. Selecting “Create a New Case” provides access to integrated biomedical peripherals.



3. The user may select any peripheral at this point. For example, selecting Video Otoscope starts the next screen.



4. The live image from the Video Otoscope is large enough to view and share with the patient. Controls are easily identified on the right side of the screen.

AFHCAN Support Services

Telephone Support

AFHCAN provides telephone support to answer questions and resolve both clinical and technical issues.

Training

Our goal is to provide training opportunities for health care professionals, administrators, and technical staff to expand the skills and knowledge needed to enhance the quality of health care in their communities. We also provide train-the-trainer classes to develop on-site training staff. Training is offered in Anchorage Alaska or at an organization's site.

Software Update Packages

One of the benefits of the AFHCAN Software is that software upgrades are distributed automatically. New features and functionality can be added without the need for user intervention or an expensive IT service call.

Dispatched Technical Support

For complex hardware or software problems, technical support staff is available for hire to perform on-site work.

AFHCAN Cart

The AFHCAN Cart is a mobile workstation with integrated biomedical peripherals, wireless network capability, and power management hardware that allows health care professionals to:

- Capture patient information using electronic forms and integrated biomedical peripherals.
- Capture information from external imaging devices such as microscopes, ultrasound and surgical scopes.
- Forward the information to another professional or group of professionals at a distant location for review and consultation.

The AFHCAN Cart is small enough to fit through a door, has large rubber wheels to negotiate uneven floor surfaces, has a low center of gravity to minimize instability, and is designed to meet the ergonomic needs of a wide variety of users.

The AFHCAN Cart is designed for patient safety with low EMI and an isolated power system. Other hardware platforms include wall mounted systems and light weight portable systems.

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Biomedical Peripherals

Biomedical peripherals that are integrated with the AFHCAN Software and may be used to develop a complete telehealth case include:

- Audiometer
- Tympanometer
- Dental Camera
- Digital Camera
- ECG (12-Lead)
- Holter Recorder*
- Scanner
- Spirometer
- Stethoscope*
- Video Otoscope
- Vital Signs Monitor

* Available late 2006

