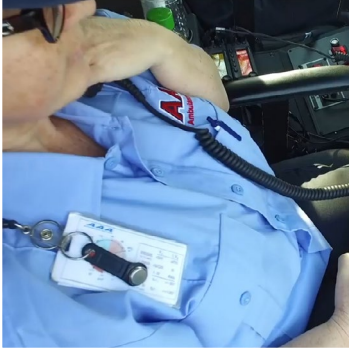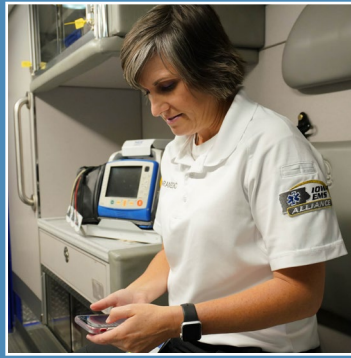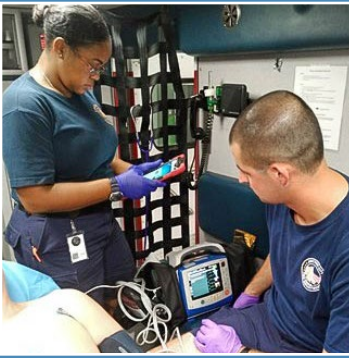# FirstNet Authority

FirstNet for Emergency Medical Services

For members of the emergency medical service, rapid access to information saves lives. Whether responding to a routine call or working a complex emergency, technology can connect EMS professionals to critical tools such as patient care reporting, mapping applications, and audio/video feeds.

FirstNet, the nationwide public safety broadband network, provides a reliable, resilient, highly available wireless connection to help public safety officials receive and transmit sensitive information and provide high-quality patient care, in the field or en route to the hospital.

EMS professionals nationwide rely on FirstNet and its suite of innovative tools, features, and services, including:

- Image transmission in real time from new diagnostic tools, such as ultrasound and CT scanners
- Real-time audio/video feed exchange with hospitals and physicians while on the scene and during transport
- Secure submission of sensitive patient data
- Patient tracking and bed management software for real-time monitoring
- Improved tracking of assets and personnel
- A catalog of vetted, secure public safety and emergency medical service apps
- More than 150 FirstNet-dedicated deployables available at no cost to FirstNet subscribers
- Integration with Land Mobile Radio networks

Quality of service, priority, and preemption

FirstNet's high-quality Band 14 spectrum is reserved for public safety. Because of FirstNet's built-in priority and preemption capabilities, first responders stay connected even when commercial networks are overloaded.

FirstNet supports:

Mission critical applications

- Live transmission of CT, ultrasound, and other medical data from scene to the hospital/medical direction
- Video sharing
- Medication dilution calculations – live or online calculators
- CAD
- GIS

Administrative applications

- Office tools (PDF, Word)
- Records management
- Patient reports, ePCRs (electronic Patient Care Reports)
- Database access
- FirstNet App Catalog provides EMS specific applications

Secure connectivity

- Strong user and device authentication
- Application VPN
- Secure mobile gateway

Device management

- End-to-end encryption on dedicated core
- Local agency control of devices

> "Our dispatchers are able to cut down our response time with technology and having mobile broadband in the ambulance provided by FirstNet."
>
> **Matthew Gregg**
> Director, Mason County, West Virginia, Division of Homeland Security and Emergency Management

Better connectivity in rural areas

Medical emergencies can happen anywhere, and FirstNet is committed to bringing connectivity wherever responders go. With enhanced coverage from network buildout and options like High Power User Equipment and Compact Rapid Deployables, EMS professionals can connect to the resources they need to provide the best patient care.

Situational awareness during patient transport

Hotspots enable responders to connect devices to FirstNet and access apps and data instantly. In ambulances, this can mean connecting tablets to provide situational awareness, such as real-time traffic jams, or to chart patient information on the go.

Prehospital care in the ambulance

With FirstNet's always on, dedicated connection and innovative diagnostic equipment in ambulances, EMS professionals can provide better care while en route to the hospital. From the ambulance, providers can send real-time patient information, such as EKGs and vitals, and can conduct live video calls with doctors.

Available for agencies or BYOD

Because many paramedics depend on their personal mobile devices on the job, FirstNet is available for qualified, individual first responders who want to transition to the FirstNet network.

Additional information:

- For use cases and testimonials, visit **FirstNet.gov/FirstNetinAction**.
- For more info about how FirstNet serves the EMS community, visit **FirstNet.gov/EMS**.
- Learn more about the First Responder Network Authority at **FirstNet.gov.**
- Learn about FirstNet products and services on **FirstNet.com**.

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