# UETN's Private LTE and 5G Pilot 2021 Exploration

## What the pilot is

Several emerging use case pilots in Private LTE and 5G wireless have begun to spring up statewide across the Utah Education and Telehealth Network (UETN) network footprint. In order to get ahead o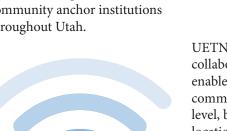f these emerging use case pilots, UETN has started its own early exploration of Private LTE and 5G wireless Technologies. UETN is exploring a wide variety use cases with our partners in:

### TELEHEALTH

Telehealth covers the gamut of interaction / connectivity with rural hospitals and clinics to the health interactions with students at schools and patrons at community anchor institutions throughout Utah.

### EDUCATION

Most of the original use case pilots have emerged from the K-20 education and library environments searching for ways to improve the student experience and to fill the connectivity gaps that exist within every one of the school districts.

### RESEARCH

UETN's connectivity and tight collaboration with research enables the research community at a statewide level, both in geographic location access and in scale.

## How UETN is looking forward

Before and beyond the rollout of the infrastructure, UETN has been working with the respective pilots to explore different use cases. These use cases range from simple to more complex demonstrations, as well as to prototype potential solutions. Representatives from Murray school district, Ogden school district, University of Utah, Weber State University, various vendors and other organizations have teamed with UETN to prototype small deployments at conferences such as:

UCET - Utah Coalition for Educational Technology | Rural Schools Conference | UETN Tech Summit

SAINTCon - Utah's Premiere Cyber Security Conference

SC19, SC21 - The International Conference for High Performance Computing, Networking, Storage and Analysis

## What the pilot is not

General home access

Commodity apps other than schoolwork

Commercial acess (except in collaborative research/pilot)

Open, unfiltered access for K-12 students

Access to non-managed devices

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Utah Education and Telehealth Network