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PARATUS CASE STUDY

Transforming Healthcare access
in Murang'a County, Kenya

AUTHORISED
STARLINK
RESELLER

Overview

Murang'a County faced significant challenges in delivering specialist healthcare services to its predominantly rural population. Patients often travelled long distances to access medical expertise, while healthcare workers struggled with limited digital connectivity and fragmented reporting systems.

Through Paratus Essential Access, powered by Starlink, Murang'a County has implemented one of Africa's largest connected public telemedicine programmes, connecting 170 healthcare facilities and enabling digital healthcare delivery at scale.

The challenge

Prior to deployment, healthcare delivery across Murang'a County was constrained by limited digital infrastructure, making it difficult to provide specialist medical services to remote communities.

Key challenges included:

- Limited access to specialist healthcare in rural areas
- Long travel times for patients seeking consultations
- Manual healthcare reporting and administration
- Delays in diagnosis, referrals and treatment
- Limited access to patient records and healthcare data
- Connectivity barriers affecting healthcare delivery

The solution

Murang'a County partnered with Paratus Kenya to deploy Paratus Essential Access, powered by Starlink satellite connectivity, across public healthcare facilities throughout the county.

The solution combines reliable broadband connectivity, telemedicine services and digital healthcare reporting to create a connected healthcare ecosystem serving both healthcare workers and patients.

The installation process was:

- Successfully piloted across 35 healthcare facilities
- Rapidly scaled to 170 connected sites
- Delivered with minimal disruption to healthcare services
- Designed for future expansion across the county

Location:
Murang'a County, Kenya

Connected facilities:
170

Population served:
**Approximately
1.2 million residents**





170
Connected health facilities



1.2m
Residents served

600
Patients supported daily

The impact Since deployment, the transformation has been immediate and significant.

1

Expanded healthcare access

- Specialist consultations available closer to patients' homes
- Reduced travel requirements for rural communities
- Improved referral processes
- Access to healthcare expertise previously unavailable in many areas

2

Improved patient care

- Faster diagnosis and treatment decisions
- Remote access to patient records
- Digital submission of healthcare data
- Improved disease monitoring and reporting

3

Empowered healthcare workers

- Real-time collaboration with specialists
- Enhanced efficiency across healthcare facilities
- Improved clinical decision-making
- Streamlined administrative processes

Performance & reliability
Murang'a County reports:

- Reliable connectivity across healthcare facilities
- Continuous telemedicine consultations throughout the day
- Seamless digital healthcare reporting
- Improved access to healthcare data and records

Cost & operational efficiency

In addition to improving healthcare access, the programme has enhanced operational efficiency across the county healthcare system.

“This programme is improving access to healthcare by connecting facilities, empowering healthcare workers and ensuring communities can receive quality medical support closer to home. It is a major step forward in strengthening healthcare delivery across Murang'a.”

Dr. Irungu Kang'ata
Governor, Murang'a County

Looking ahead

With connectivity no longer a barrier, Murang'a County is continuing to expand digital healthcare services across the region, including:

- Expansion from 170 to 472 healthcare facilities
- Increased telemedicine capacity
- Broader community healthcare outreach
- Continued digital transformation of healthcare services
- Enhanced support for Universal Health Coverage initiatives

