Assessment 03: Implementation Plan

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Implementation Plan

Implementing a telehealth technology program at St. Anthony Medical Center (SAMC) aims to bridge the healthcare gap for rural students, improving access to medical care while ensuring high-quality service delivery. With a phased approach to deployment, the program will address key factors such as infrastructure, training, and collaboration between healthcare providers, students, and stakeholders. This implementation plan outlines the steps necessary to successfully integrate telehealth technology, from assessing existing resources to establishing post-deployment support and maintenance strategies.

Adequacy of Existing Healthcare Technology

The assessment of St. Anthony Medical Center's (SAMC) current telehealth technology framework needs analysis of multiple essential elements to deploy their new telehealth initiative successfully. The school must evaluate how the current telehealth platform deals with new users while ensuring smooth connectivity between different systems. The new telehealth program will demand greater interaction volume than basic telehealth capabilities, which SAMC currently supports, especially during high school activity. Network bandwidth and latency are crucial in maintaining steady video consultations, especially in regions with periodic internet problems (Mathew et al., 2023). The compatibility between SAMC system software and school telehealth equipment must be verified to stop operational interruptions and maintain uninterrupted functions.

The current IT infrastructure must receive a hardware and software update to support increased data transfer while enhancing the quality of telemedicine interactions remotely. The SAMC should replace certain devices such as computers, webcams, and microphones to achieve sufficient video conferencing standards. The telehealth software must pass compatibility assessments of all school-operated platforms to prevent

organizational problems during implementation. Rural areas with limited bandwidth need high-speed internet connections, and software updates must be performed to maintain safe system communication (Mathew et al., 2023). A technical support team within SAMC's IT department will deliver assistance and troubleshooting measures to assist students and school personnel before the system starts. Extracting funds for infrastructure development is critical because it enables functional program capabilities and enhanced user experiences that drive the program's achievement rate.

Knowledge Gaps

One potential knowledge gap is the exact level of internet connectivity in rural areas, which could impact the success of telehealth sessions. Uncertainty also exists regarding how well the new telehealth platform will integrate with existing school systems and if any unforeseen technical issues will arise during the initial deployment. Additionally, further details are needed on the training requirements for school staff and students and a clearer understanding of the long-term support needs for maintaining the infrastructure.