TENNESSEE
DEPARTMENT OF HEALTH

Health Care Resource Tracking System
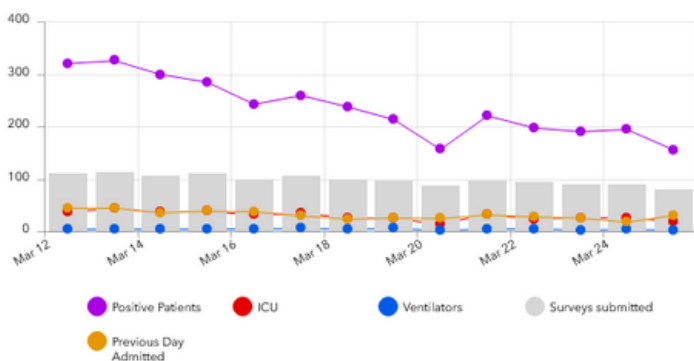
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Launching May 30th

Executive Summary

The Tennessee Department of Health and Emergency Preparedness understands the critical importance of efficient resource management and communication in the healthcare sector. Our Health Care Resource Tracking system provides a robust solution to these challenges, offering a free platform to streamline operations and improve patient care. By leveraging our framework and app, healthcare facilities can enhance collaboration, reduce waste, and ultimately save lives.

Actionable Analytics

- Positive Patients
- ICU
- Ventilators
- Surveys submitted
- Previous Day Admitted

Near real time data to make database decisions. Graph of number, Hospital, and EMS availability.

Technological Stack

Application:
- Framework: .NET 6 MVC
- Frontend: Bootstrap 3, Razor
- JavaScript Libraries: jQuery, jQuery Data Tables
- Real-Time Communication: SignalR

Database:
- Management System: SQL Server 2019

Setup Required:
- Web Host: Required for hosting the application.
- DB Host: Required for hosting the SQL Server database.
- Systems Configurations: Lookup options for state-specific needs within the database.
- Application Configurations: Mainly app-setting changes for customizing the application behavior.

Setup Recommended:
- Hosting: AWS EC2 for application hosting, AWS RDS SQL Server for database hosting.
- Parameter Store: Utilize AWS Parameter Store for managing environment variables.
- Application Customization: Customize default values such as state settings (e.g., Tennessee) as per specific requirements.

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