Based on the description below, I drew the flowchart:

1. **Start:** The process begins with wearable sensors collecting physiological data from the nurse.
2. **Wearable Sensors:** These sensors continuously monitor and record data such as heart rate, skin temperature, and activity levels.
3. **Wireless Transmission:** The sensor data is transmitted wirelessly to a gateway device, typically a smartphone or an edge device, using technologies like Bluetooth or Wi-Fi.
4. **Gateway: Data Preprocessing:** The gateway device preprocesses the raw sensor data to improve quality and reduce noise. This might involve filtering, aggregating data points, or extracting relevant features.
5. **Cloud Platform:** The preprocessed data is then sent to a cloud platform for storage and further analysis. Cloud platforms offer scalable storage and computational resources for handling large amounts of data.
6. **Machine Learning Model:** In the cloud, machine learning models are trained and used to predict stress levels based on sensor data patterns. These models can utilize various algorithms like linear regression, support vector machines, or neural networks.
7. **Feedback & Intervention:** The predicted stress levels are displayed on a dashboard or mobile app for the nurse or healthcare provider. Based on stress levels, interventions can be triggered, such as notifications, recommendations for stress-reducing activities, or alerts to supervisors.
8. **Stress Level Display & Recommendations:** The dashboard or app provides visual feedback on stress levels and suggests personalized recommendations to help the nurse manage stress.
9. **End:** The process concludes with the nurse receiving feedback and potentially taking actions to mitigate stress.

This is the flow that I worked on:

[Start] --> Wearable Sensors (Collect physiological data: heart rate, skin temperature, activity)

Wireless Transmission (Bluetooth, Wi-Fi) to Gateway (Smartphone, Edge Device)

Gateway: Data Preprocessing (Filtering, Aggregation, Feature Extraction)

Cloud Platform (Google Cloud, AWS): Data Storage & Analysis

Machine Learning Model (Stress Prediction using sensor data)

Feedback & Intervention (Dashboard, Mobile App)

Stress Level Display & Recommendations (Notifications, Stress-reducing activities)

[End]

Flow Chart 2:

A diagram of a cloud storage

Description automatically generated

Flow Chart 3:

A diagram of a network

Description automatically generated

A blue circle with black text and black arrows

Description automatically generated