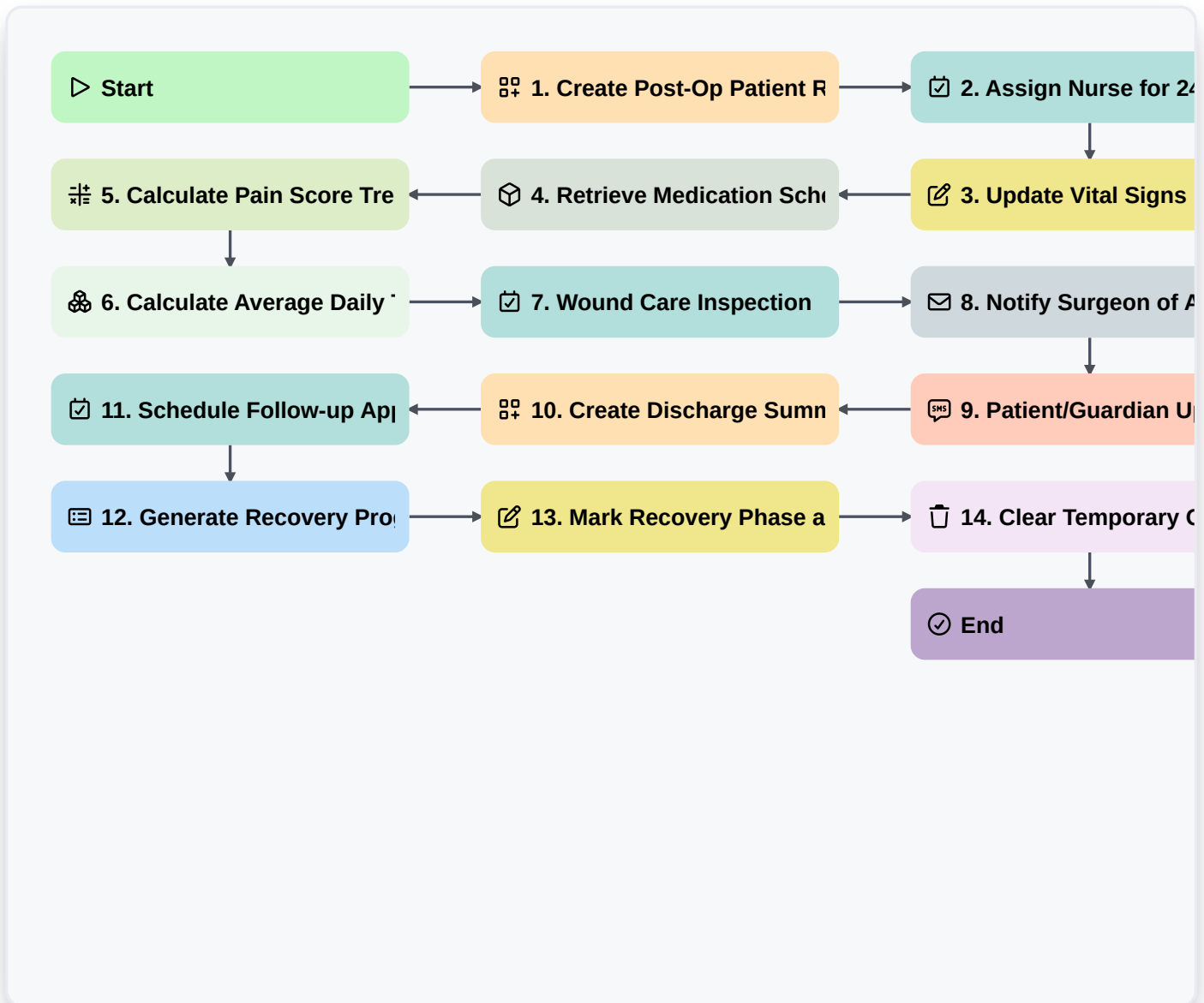


Post-Operative Care And Recovery Workflow



▷ Start

Start of the Workflow/Process.

🗄️ 1. Create Post-Op Patient Record

Initializes a new patient recovery record in the Post-Operative Care data model upon hospital discharge.

✅ 2. Assign Nurse for 24h Observation

Creates a task for the nursing staff to perform vital sign checks every hour for the first 24 hours.

📝 3. Update Vital Signs Log

Updates the specific patient entry with the latest blood pressure, heart rate, and temperature readings.

📦 4. Retrieve Medication Schedule

Fetches the prescribed medication list and dosage instructions from the patient's clinical data model.

📊 5. Calculate Pain Score Trend

Executes a formula to compare the current pain scale entry against the previous entry to determine if pain is increasing or decreasing.

🔗 6. Calculate Average Daily Temperature

Aggregates all temperature entries from the last 24 hours to find the average to detect fever trends.



7. Wound Care Inspection

Creates a task for the surgical team to inspect the incision site for signs of infection.

8. Notify Surgeon of Abnormal Vitals

Sends an urgent email to the attending surgeon if vital signs fall outside of the predefined safe range.

9. Patient/Guardian Update

Sends an SMS notification to the patient's emergency contact regarding the patient's transition to the recovery ward.

10. Create Discharge Summary

Generates a new data entry for the final discharge summary, including follow-up instructions.

11. Schedule Follow-up Appointment

Creates a task for the administrative staff to book a post-operative check-up in 7 days.

12. Generate Recovery Progress Report

Creates a comprehensive report summarizing all vitals, medication adherence, and nursing notes for the entire recovery period.

13. Mark Recovery Phase as Complete

Updates the status of the Patient Recovery entry to 'Discharged' once all post-op tasks are finished.

14. Clear Temporary Observation Notes

Deletes temporary, non-essential observation notes once they have been moved to the permanent medical record.

End

End of the Workflow/Process.