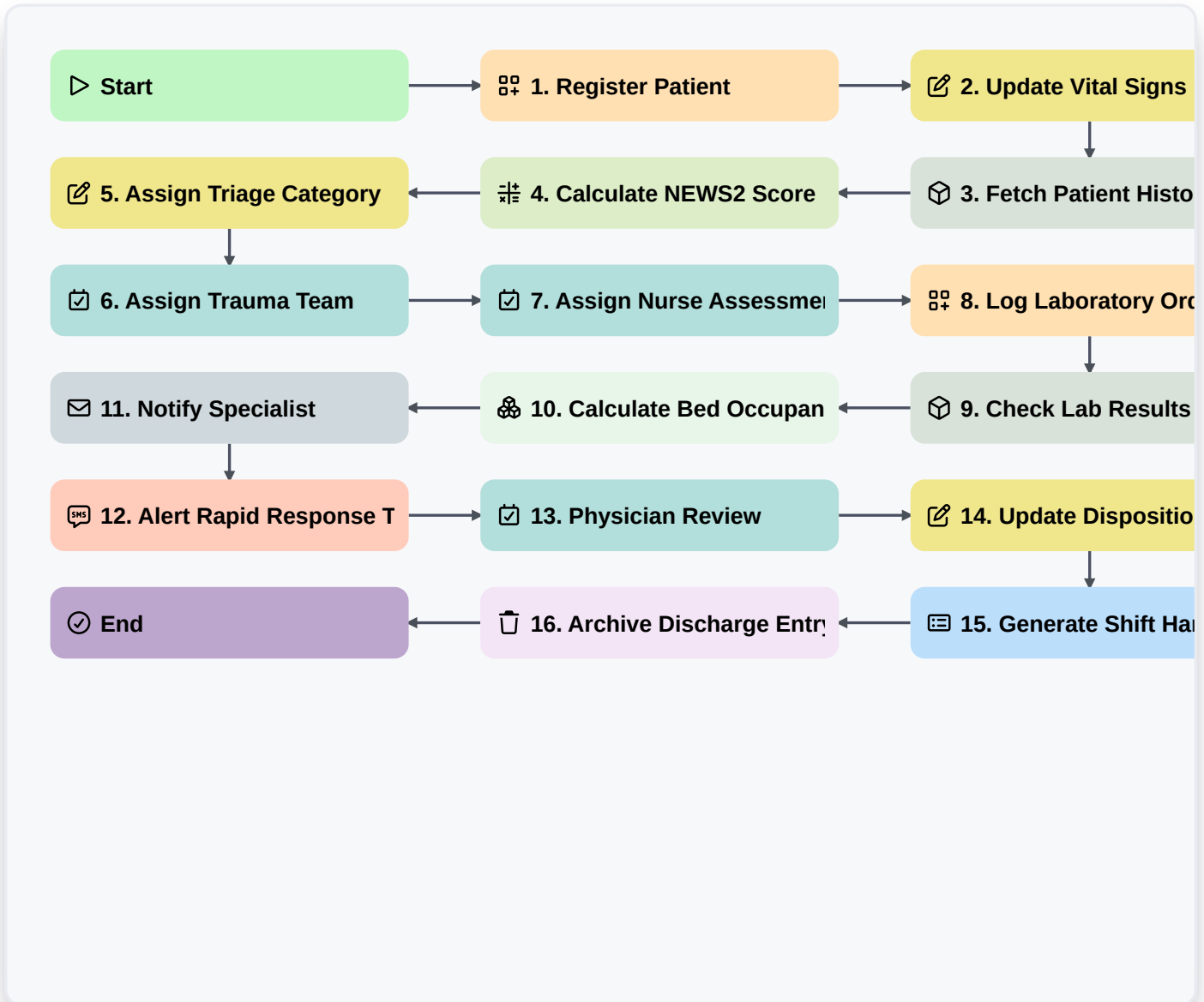


Emergency Department Triage And Management



▷ Start

Start of the Workflow/Process.

☰ 1. Register Patient

Create a new entry in the Patient Data Model upon arrival at the ER.

✍ 2. Update Vital Signs

Update the patient's entry with current temperature, blood pressure, and heart rate.

📦 3. Fetch Patient History

Retrieve existing medical records from the Patient Data Model based on Patient ID.

🔢 4. Calculate NEWS2 Score

Execute a formula using vital signs (respiratory rate, SpO2, etc.) to determine National Early Warning Score.

✍ 5. Assign Triage Category

Update the patient entry with a priority level (e.g., P1 - Resuscitation to P5 - Non-Urgent).

📅 6. Assign Trauma Team

Create a high-priority task for the Trauma Lead if the patient is categorized as P1.



7. Assign Nurse Assessment

Create a task for the triage nurse to complete the physical assessment checklist.

8. Log Laboratory Order

Create an entry in the Lab Requests Data Model for required blood tests.

9. Check Lab Results

Retrieve the latest results from the Lab Requests Data Model for the specific patient.

10. Calculate Bed Occupancy

Aggregate all 'Active' patient entries to count the total number of occupied beds in the ED.

11. Notify Specialist

Send an email to the On-Call Specialist regarding a critical patient admission.

12. Alert Rapid Response Team

Send an SMS to the RRT mobile number for patients with critical NEWS2 scores.

13. Physician Review

Create a task for the attending physician to review the triage findings and diagnostic results.

14. Update Disposition Status

Update the patient entry status to 'Admitted', 'Discharged', or 'Transferred'.

15. Generate Shift Handover Report

Create a summary report of all high-acuity patients for the upcoming shift change.

16. Archive Discharge Entry

Remove or move the patient entry from the 'Active ED' data model to the 'Discharged' archive model.

End

End of the Workflow/Process.