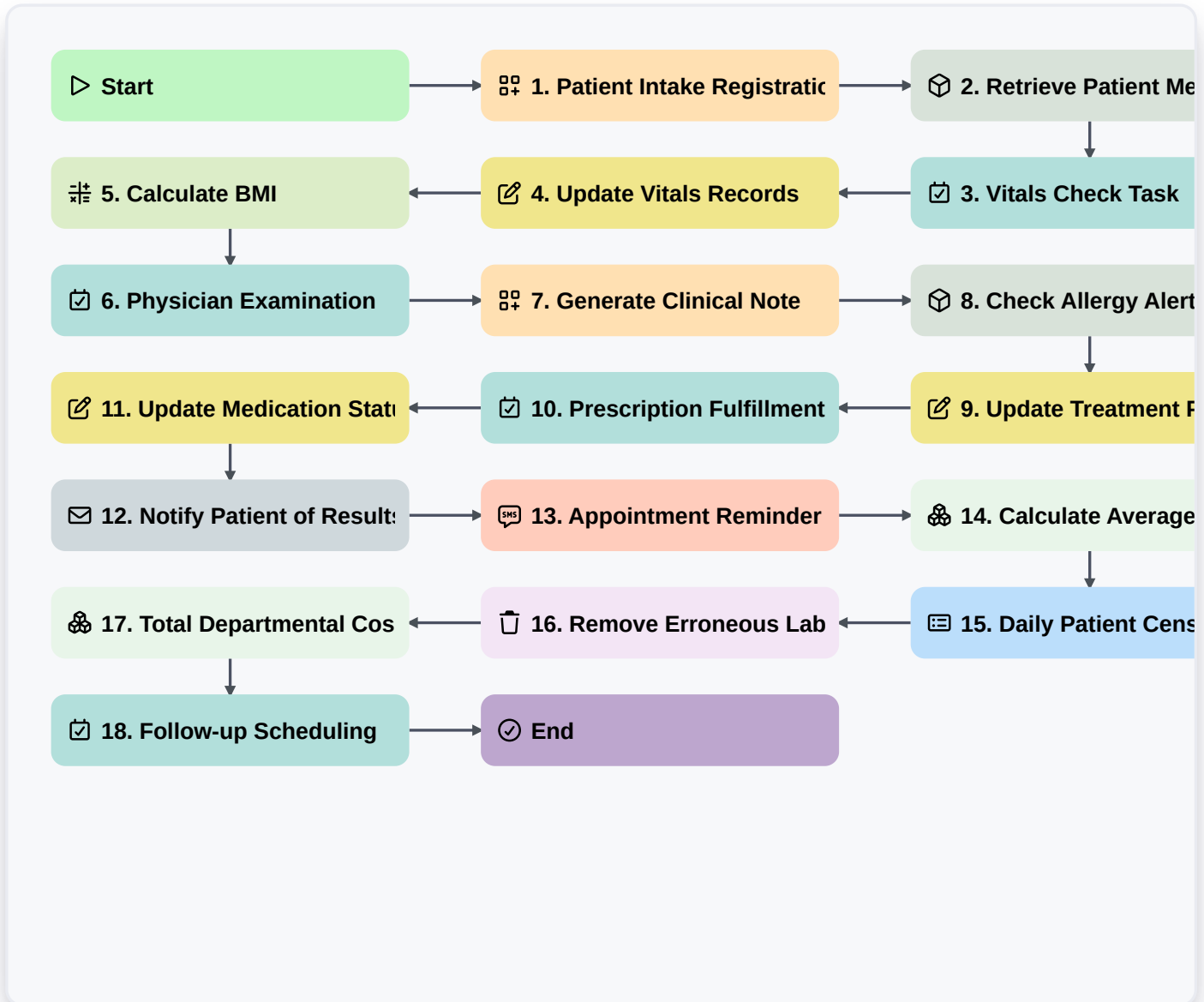


Patient Care Management Process



▷ Start

Start of the Workflow/Process.

☰ 1. Patient Intake Registration

Create a new Patient entry in the Patient Data Model upon arrival or appointment booking.

📦 2. Retrieve Patient Medical History

Fetch existing medical records and allergies from the Patient Data Model based on Patient ID.

☑ 3. Vitals Check Task

Assign a task to the Nursing Staff to record temperature, blood pressure, and heart rate.

✍ 4. Update Vitals Records

Update the Patient entry with the newly recorded vital signs data.

☰ 5. Calculate BMI

Calculate Body Mass Index using the Height and Weight entries from the Patient record.

☑ 6. Physician Examination

Create a task for the Doctor to perform a physical assessment and review vitals.



7. Generate Clinical Note

Create a new Consultation Note entry linked to the Patient and the Physician.

8. Check Allergy Alerts

Fetch all recorded allergies from the Patient Data Model to verify safety before treatment.

9. Update Treatment Plan

Update the Patient's active Treatment Plan entry with new instructions from the physician.

10. Prescription Fulfillment

Create a task for the Pharmacy Department to prepare prescribed medications.

11. Update Medication Status

Update the Medication Order entry to 'Ready for Pickup' or 'Administered'.

12. Notify Patient of Results

Send an automated email to the patient's registered email address regarding their test results.

13. Appointment Reminder

Send an SMS reminder to the patient's phone number 24 hours before the scheduled visit.

14. Calculate Average Wait Time

Aggregate all 'Check-in' to 'Physician Seen' timestamps to calculate the average clinic wait time.

15. Daily Patient Census Report

Generate a report summarizing all active patients, admissions, and discharges for the day.

16. Remove Erroneous Lab Entry

Delete a laboratory result entry if it was entered with incorrect parameters.

17. Total Departmental Cost

Sum all billing entries associated with a specific patient encounter to calculate total cost.

18. Follow-up Scheduling

Create a task for the Administrative Staff to book a follow-up appointment.

End

End of the Workflow/Process.