# WORKFLOW MAPPING OF A PATIENT JOURNEY FROM ER TO DISCHARGE IN A MULTISPECIALTY HOSPITAL

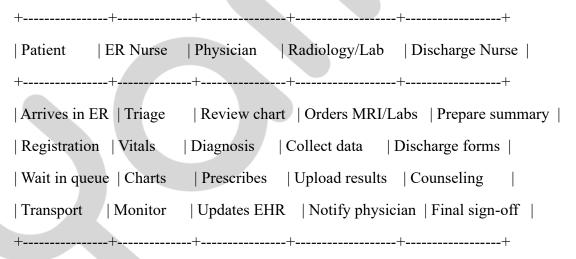
### 1. Abstract

This case study simulates a complete patient journey from emergency room (ER) arrival to discharge, emphasizing healthcare system structure, clinical terminology, interdepartmental communication, and role-specific documentation. It guides students through standard processes using diagrams, role-based vocabulary, and real-world terminology used in charting and electronic health records (EHR).

# 2. Learning Objectives

- Understand patient flow across departments in a hospital setting
- Learn terminology specific to each stage of hospital care
- Analyze role-specific responsibilities using a swimlane diagram
- Apply clinical terms to real-world transitions (triage, diagnosis, care, discharge)

## 3. Swimlane Diagram: Hospital Workflow



## 4. Key Terminology by Role

#### **Department/Role Terms Commonly Used**

ER Nurse Triage, Vitals, GCS, NPO, SBAR format

Physician Diagnosis, Differential Dx, ICD-10, SOAP, Disposition

Radiology/Lab PACS, CBC, CMP, Imaging Protocol, STAT

Ward Nurse PRN, IV line, Bedside notes, Chart update

Discharge Unit MAR, Follow-up, Home care instructions, Readmission risk

## 5. Case Example: Fractured Arm

#### **Step-by-Step Flow**

#### 1. ER Arrival

o Term: Triage Level 2

 $\circ$  Nurse records vitals (BP, HR), pain scale = 8/10

#### 2. Assessment

- o Physician enters preliminary diagnosis: Possible radius fracture
- Orders X-ray STAT

#### 3. Radiology

- o Result: Distal radial fracture, non-displaced
- o Physician updates EHR and plans for casting

#### 4. Treatment

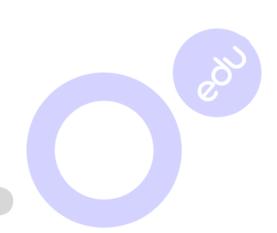
- Nurse administers analgesics PRN
- o Arm is immobilized and patient is observed overnight

#### 5. Discharge

- o Summary includes injury, procedure, medication, follow-up date
- MAR updated, discharge note sent via EHR

## 6. Visualization: Timeline

Time	Action
12:15 PM	Patient arrives at ER
12:45 PM	Seen by triage nurse, initial notes made
1:30 PM	X-ray ordered
2:15 PM	Physician explains diagnosis
3:00 PM	Casting complete
4:00 PM	Observation in ward
10:00 AM (next day)	Discharged with full instructions



# 7. Assignment Tasks

- 1. Create your own swimlane diagram for a different condition (e.g., chest pain, head injury).
- 2. Write a short paragraph explaining how terms like "SOAP", "PRN", and "Disposition" are used.
- 3. Match hospital roles with their standard terminology.
- 4. Design a simplified discharge summary using standard format.

# 8. Learning Outcome Matrix

Outcome	Activity
System understanding	Workflow mapping
Vocabulary usage	Role-based terminology table
Practical clinical thinking	Case walk-through and assignments
Written healthcare communication	Discharge summary design

## 9. Conclusion

Understanding hospital workflows and their embedded terminology equips students with a realistic view of how healthcare is organized. By simulating this flow, learners become better prepared to operate within interprofessional teams and interpret documentation with accuracy.

## 10. References

- Joint Commission Documentation Guidelines
- WHO: Hospital Workflow Process Framework
- EHR User Guide Epic Systems
- Healthcare Terminology Reference Guide (ANA, HIMSS)

