**The Rush Hour of Life:**

**When & Why ERs Get Overwhelmed**

Step inside the world of emergency rooms through the lens of data

Every visit to the emergency room tells a story—of **urgency, care, and response**. This dashboard is designed to decode patient admission trends, demographic patterns, and hospital efficiency, helping healthcare professionals make informed decisions.

**Understanding Patient Data**

🔍 **Who Are Our Patients?**  
Each patient’s journey in the ER is unique, but patterns emerge when we analyze key attributes:

* Patient ID: A unique identifier ensuring accurate tracking.
* Admission Date: Spotting peak hours, seasonal trends, and emergency response rates.
* Patient First Initial & Last Name: Anonymized data for privacy while enabling trend analysis.
* Gender & Age: Key demographic insights to tailor healthcare services.
* Race/Ethnicity: Understanding disparities in ER visits and patient outcomes.

**Hospital Workflow & Efficiency**

🏥 **How Patients Move Through the ER**

* Department Referral: Identifies which specialties handle the highest number of ER cases.
* Patient Admin Flag: Tracks whether a visit led to hospital admission or outpatient treatment.
* Case Manager (CM): Ensuring smooth patient care coordination from arrival to discharge.

**Patient Experience & Operational Performance**

⭐ **Measuring Service Quality**

* Patient Satisfaction Score: How do patients perceive their ER experience?
* Wait Time Analysis: Delays impact patient care—how efficient is the process?

By analysing these factors, hospitals can enhance service delivery, optimize workflows, and improve overall patient satisfaction.

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