

# Data Dictionary – Emergency Room Visits Dashboard

This Data Dictionary provides definitions and descriptions of all key fields used in the dataset, ensuring clarity in understanding the data structure.

## 1- Patient Information

Column Name	Data Type	Description
Patient ID	Integer	Unique identifier assigned to each patient.
Full Name	String	Concatenation of `First Name` and `Last Name` for display purposes.
First Name	String	Patient's first name (removed from final dashboard for anonymity).
Last Name	String	Patient's last name (removed from final dashboard for anonymity).
Gender	String	Patient's gender (`Male`, `Female`).
Age	Integer	Patient's age in years.
Age Range	String	Categorized patient age groups: `Children (1-17)`, `Adults (18-64)`, `Seniors (65+)`.
Race	String	Race or ethnicity of the patient (e.g., `African American`, `Asian`, `White`, etc.).

## 2- Visit Details

Column Name	Data Type	Description
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<b>Visit Date &amp; Time</b>	DateTime	Timestamp of the patient's emergency room visit.
<b>Visit Date</b>	Date	Extracted <b>**date**</b> from `Visit Date & Time`.
<b>Visit Time</b>	Time	Extracted <b>**time**</b> from `Visit Date & Time`.
<b>Day of the Week</b>	String	The <b>**weekday name**</b> (e.g., `Monday`, `Tuesday`).
<b>Month</b>	String	The <b>**month name**</b> (e.g., `January`, `February`).
<b>Year</b>	Integer	The <b>**year**</b> of the visit (e.g., `2019`, `2020`).
<b>Busiest Day</b>	String	The <b>**day with the highest number of visits**</b> in the selected period.
<b>Busiest Time</b>	Time	The <b>**hour with the highest number of visits**</b> in the selected period.

### 3- Emergency Room Metrics

Column Name	Data Type	Description
<b>Patient Visits</b>	Integer	Total number of <b>**patient visits**</b> within a selected timeframe.
<b>Avg Wait Time</b>	Float	Average <b>**waiting time**</b> (in minutes) for patients before being attended to.
<b>Max Wait Time</b>	Float	<b>**Longest recorded wait time**</b> (in minutes) within the dataset.
<b>Min Wait Time</b>	Float	<b>**Shortest recorded wait time**</b> (in minutes) within the dataset.
<b>Satisfaction Score</b>	Float	Patient-reported satisfaction rating (scale from `1-10`).

<b>Avg Satisfaction Score</b>	Float	Average <b>**satisfaction score**</b> across all patients.
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4- Hospital Department Referrals

Column Name	Data Type	Description
<b>Department Referral</b>	String	The <b>**hospital department**</b> patients were referred to (e.g., `Neurology`, `Cardiology`, `Orthopedics` ).
<b>Avg Wait Time by Department</b>	Float	The <b>**average wait time (in minutes)**</b> for each department.