Project: Patient Waiting List Analysis

Skills Gained

- Advanced Dashboard Design
- Data Transformation & Cleaning
- Query Appending & Data Integration
- DAX Measures for Dynamic Insights
- Trend and Distribution Analysis

Objective

- Provide a comprehensive overview of patient waiting lists in **Inpatient** and **Outpatient** categories.
- Analyze waiting times across specialties and age profiles.
- Track historical trends and current status for actionable insights.

Key Metrics

- **Latest Month Wait List**: 709K patients
- **Previous Year Latest Month Wait List**: 640K patients
- **Average/Median Wait List** by:
    - Case Type (Inpatient/Outpatient)
    - Specialty Name
    - Time Bands and Age Profiles

Dashboard Insights

1. **Summary Indicators**:
    - Displays **Latest Month Wait List** and **Previous Year Wait List** for a quick comparative view.
2. **Visualizations**:
    - **Pie Chart**: Breakdown of average/median wait lists by **Case Type** (Day Case, Inpatient, Outpatient).
    - **Bar Chart**: Distribution of wait lists by **Age Profiles** (e.g., 0–3 months, 65+ years).
    - **Line Charts**:

- Overall trend in total wait lists over time.
- Separate trends for **Inpatient** and **Outpatient** categories.
3. **Specialty Analysis**:
    - Dynamic filtering for specialties like **Accident & Emergency**, **Pediatric Dermatology**, etc.
    - Displays **Average/Median Wait Lists** for each specialty.

Deliverables

1. **Interactive Dashboard**:
    - Combines **dynamic visuals** and **filtering options** for deeper analysis of patient waiting lists.
    - Filters include **Case Type**, **Specialty Name**, and **Date Range**.
    - Toggle between **Average** and **Median** views for tailored insights.
2. **Detailed Specialty Breakdown**:
    - Highlights specialty-specific wait lists for granular analysis.