Summary

Click for Project Overview.

Archive_Date: 1/31/2018 – 3/31/2021

Case_Type: All

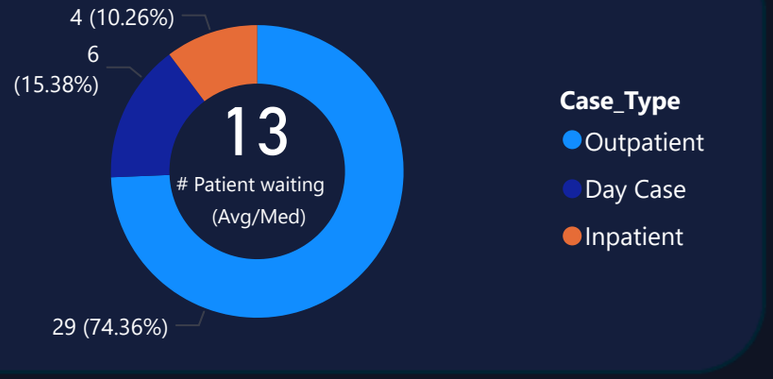
Speciality_Name: All

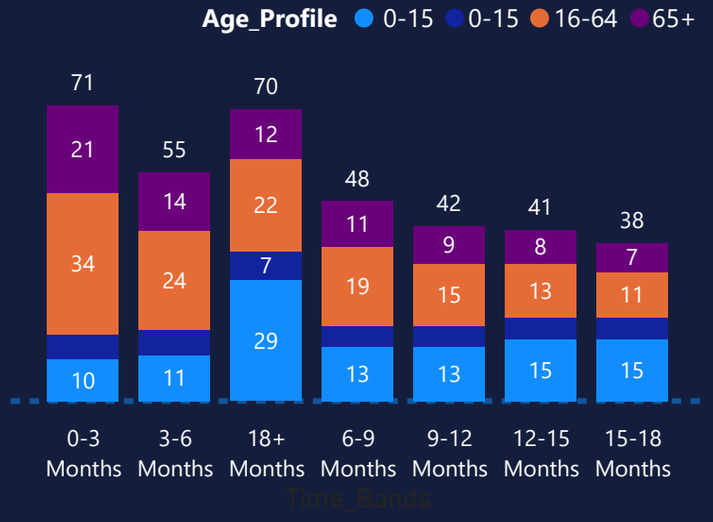
Total Wait List Comparison

709K Latest Month Wait List | 640K PY Latest Month Wait List

Key Indicators - Patient Wait List (Median)

Average | Median

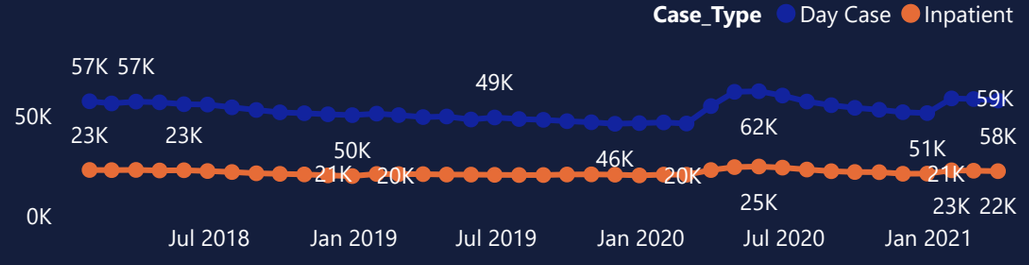




Top 5 Specialties

Specialty	Avg/Med Wait List
Accident & Emergency	70
Dermatology	35
Clinical (Medical) Genetics	29
Cardiology	28

Monthly Trend Analysis - Day Case / Inpatient vs. Outpatients



Detailed View

Filter Criteria

Archive_Date

1/31/2018 3/31/2021

Case_Type

All

Speciality_Name

All

Age_Profile

All

Time_Bands

All

Detail Grid View

Archive_Date	Day Case	Inpatient	Outpatient	Total
Wednesday, March 31, 2021	**57631**	**22342**	**628756**	**708729**
Vascular Surgery	**1096**	**491**	**14108**	**15695**
65+	**272**	**278**	**5736**	**6286**
16-64	**823**	**213**	**8351**	**9387**
0-15	**1**		**21**	**22**
Urology	**7901**	**1929**	**33822**	**43652**
65+	**3379**	**961**	**10176**	**14516**
9-12 Months	197	33	647	**877**
6-9 Months	396	105	1071	**1572**
3-6 Months	787	215	1610	**2612**
18+ Months	317	181	3180	**3678**
15-18 Months	210	58	844	**1112**
12-15 Months	312	57	960	**1329**
0-3 Months	1160	312	1864	**3336**
16-64	**4165**	**948**	**21052**	**26165**
9-12 Months	279	41	1329	**1649**
6-9 Months	485	84	2033	**2602**
3-6 Months	995	210	3104	**4309**
18+ Months	472	162	7361	**7995**
15-18 Months	253	62	1795	**2110**
12-15 Months	415	76	1891	**2382**
0-3 Months	1266	313	3539	**5118**
0-15	**357**	**20**	**2594**	**2971**
9-12 Months	25		175	**200**
Total	2059862	645348	21735739	**24640969**

Stack-Overflow Survey 2023 Analysis in PowerBI

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1 Introduction

1.1 Overview

The aim of the project is to understand the hospital waiting list data. This data includes various details about the patients and their wait times, providing insights into the demand for medical services and the efficiency of healthcare delivery. Hospital waiting list data is crucial for understanding the backlog of patients waiting for medical services, identifying bottlenecks in healthcare delivery, and planning resource allocation to improve patient care.

1.2 Data Description

- **Adult/Child:** A categorization of the patient as either an adult or a child.
- **Age Profile:** The age group of the patient, often categorized into bands (e.g., 0-18, 19-64, 65+).
- **Archive Date:** The date the data was recorded or archived.
- **Case Type:** The type of medical case (e.g., inpatient, outpatient).
- **Source Name:** The name of CSV file from which data is read.
- **Specialty Name:** The medical specialty or department (e.g., cardiology, orthopedics) where the treatment is to be provided.
- **Specialty HIPE Number:** A unique identifier for the medical specialty.
- **Time Band:** The waiting time categorized into different bands (e.g., less than 1 month, 1-3 months, over 6 months).
- **Total:** Total number of people waiting in that specific category.

1.3 Project Goals:

- Track the current status of the waiting list.
- Analyze monthly trends in the waiting list (inpatient/daily case/outpatient).
- Perform detailed analysis at the specialty level and age profile.

1.4 Key terms used:

- **Inpatient Cases:** Inpatient cases refer to patients who are admitted to the hospital for at least one night for treatment or surgery.
- **Daily Cases:** Patients who are admitted and discharged within the same day.
- **Outpatient Cases:** Outpatient cases refer to patients who receive medical treatment or undergo procedures without being admitted to the hospital.

1.5 Metrics Required:

- Average and Median Waiting list.
- Current total waiting list.

1.6 Views Required:

- Summary Page.
- Detailed Page for Granular Analysis.

2 Learning from the Process

- To merge two tables make sure they have the same number of columns and the names of the columns in both tables are the same. You could merge two tables or create a new table while keeping the raw data."Append query as new" gives you a new table and preserves the raw data.
- Make sure to clean the data. For example, in the age profile, these values, "18 months +" and "18+ months", correspond to the same age band. So change either of the values so they match.
- Use a switch statement, to change the metric. In this dashboard, we have used average and median metrics and other visual report values based on these metrics. To achieve this, first create a table with two metrics, and use a slicer to pick either. Now define a measure, which will compute either median/average based on what's being selected by the user via the slicer.

- You could create a drill-down page, and then use it as a tooltip.