Data Analysis A-Z

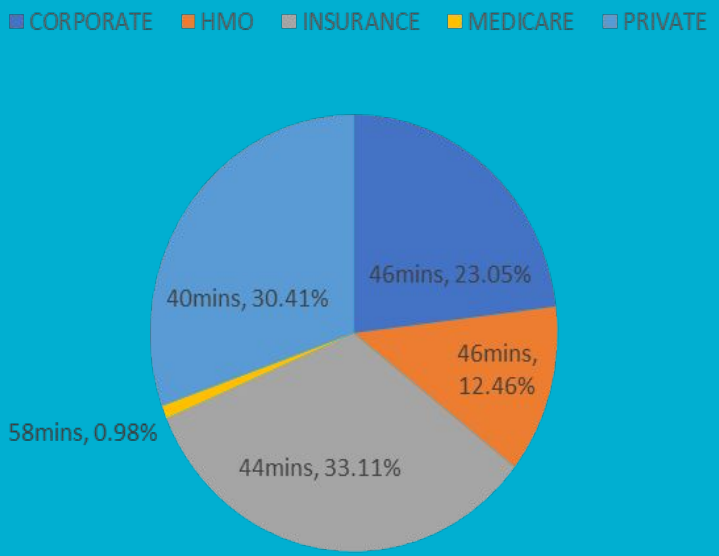
Hospital Wait Time Analysis

The longest wait time: Medicare patients have the longest average wait time of 58 minutes. This group constitutes a relatively small percentage (0.98%) of the total patient population.

Differences among financial classes: There are variations in average wait times across different financial classes. Private patients have an average wait time of 40 minutes (30.41%), corporate patients and HMO patients both have an average wait time of 46 minutes (23.05% and 12.46% respectively), and insurance patients have an average wait time of 44 minutes (33.11%).

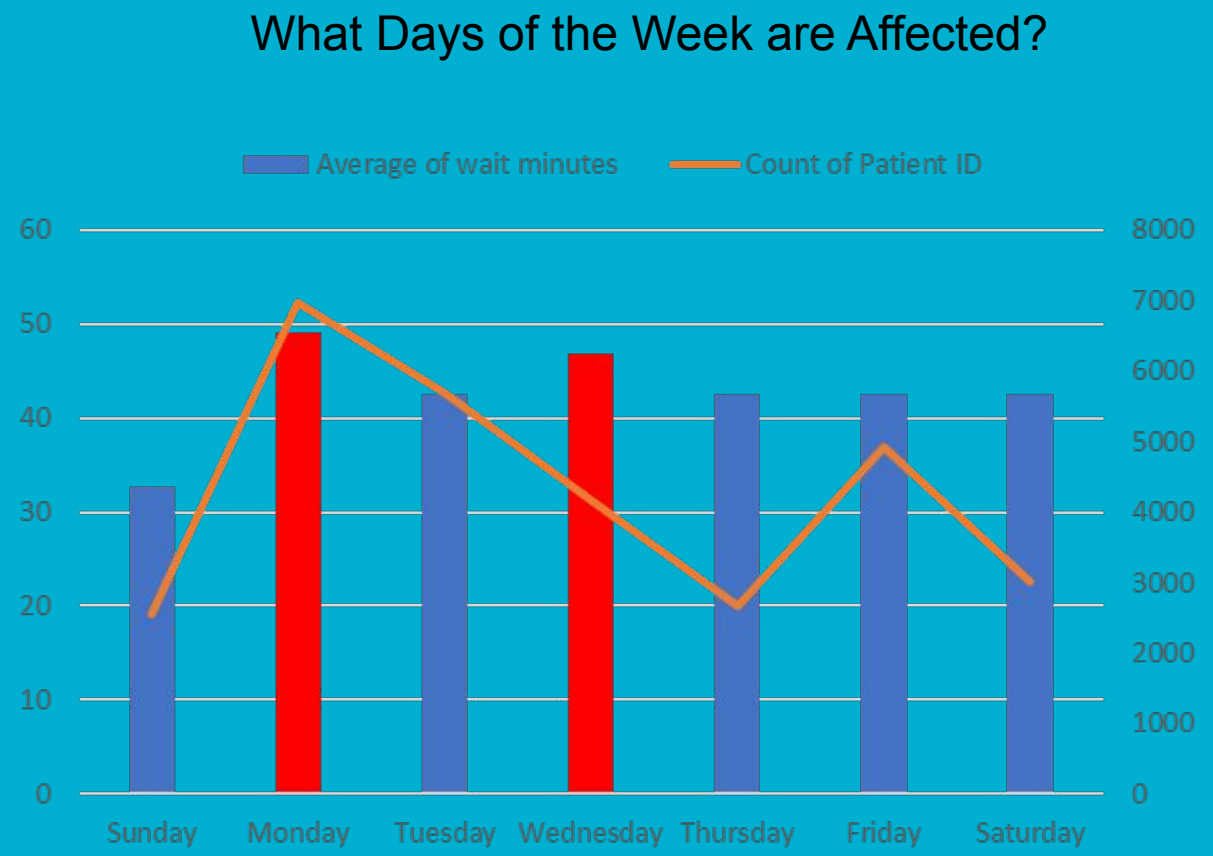
Private patients: Private patients experience the shortest average wait time among the financial classes analyzed.

Who is Waiting the Longest?



From the Weekdays analysis monday and wednesday have the highest wait times, monday equally have the highest number of patients.

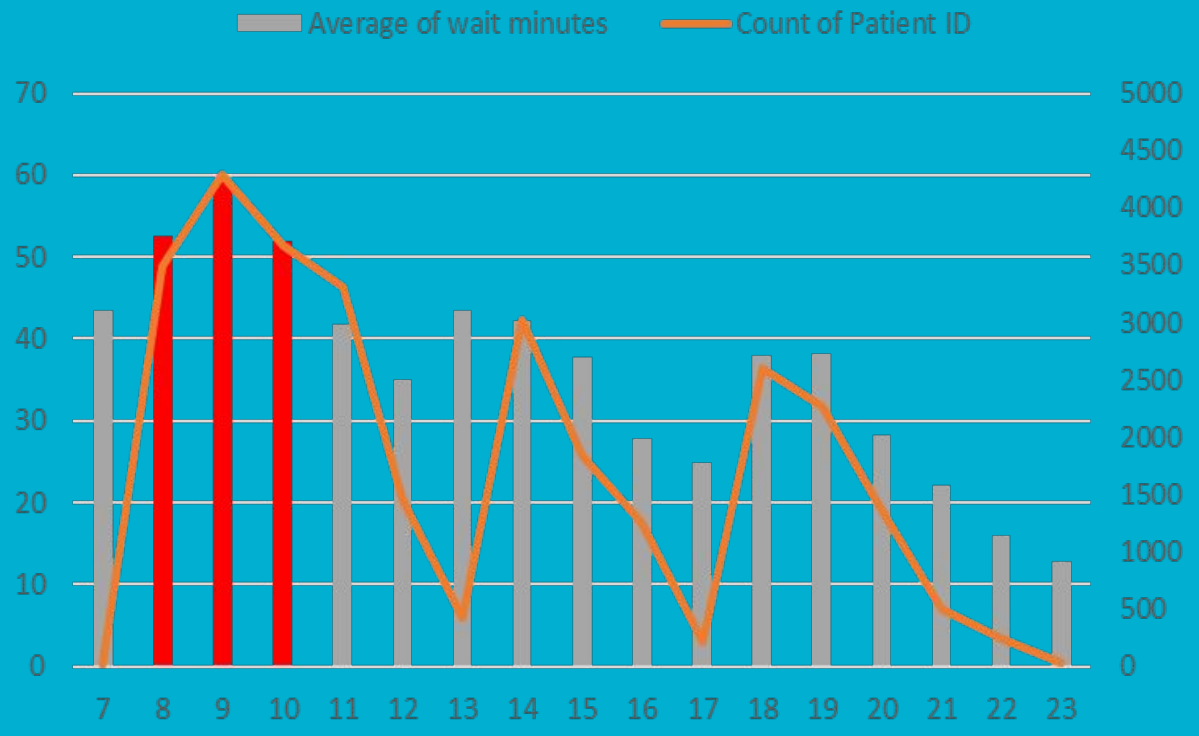
Employ part-time medical practitioners to assist on these specific days, the clinic can address the higher patient volume and potentially reduce wait times. This approach can help distribute the workload more evenly throughout the week and ensure that patients receive timely care, particularly on the days with higher demand.



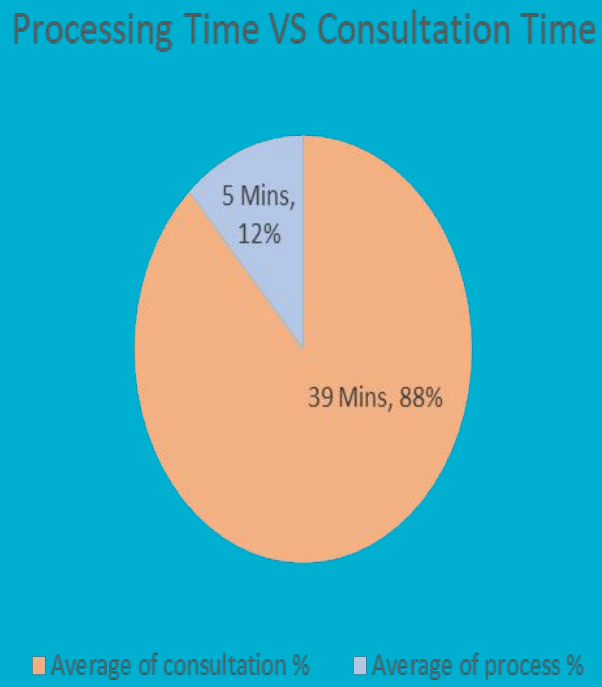
Are Wait Times Associated with Busy Periods?

From the hour analysis 8,9,10 have the highest wait times with higher patients counts too.

Employing part-time medical practitioners during these busy periods can be a strategic solution to address the higher patient volume and reduce wait times. By having additional staff available during the peak hours, the clinic can better manage patient flow, provide timely care, and alleviate the strain on resources.



Where do we need Staff?

From the process time vs consultation time analysis,
average process time is 5 mins of 12% percent of average wait time vs average consultation time 39 mins of 88% of average wait time.

To improve clinic efficiency, focus on optimizing the consultation process. Allocate adequate staffing, streamline workflows, and enhance communication. Consider efficient appointment scheduling, provide training, and leverage technology for streamlined documentation. These steps will help reduce consultation time, enhance patient experience, and improve overall clinic operations.