Project Development Phase
Sprint-3

Date	17 November 2022
Team ID	PNT2022TMID32896
Project Name	Project - Analytics for Hospitals Health-care data
Maximum Marks	2 Marks

Analytics for Hospitals Health-Care data

x: 6.7 % y: 7.3 %

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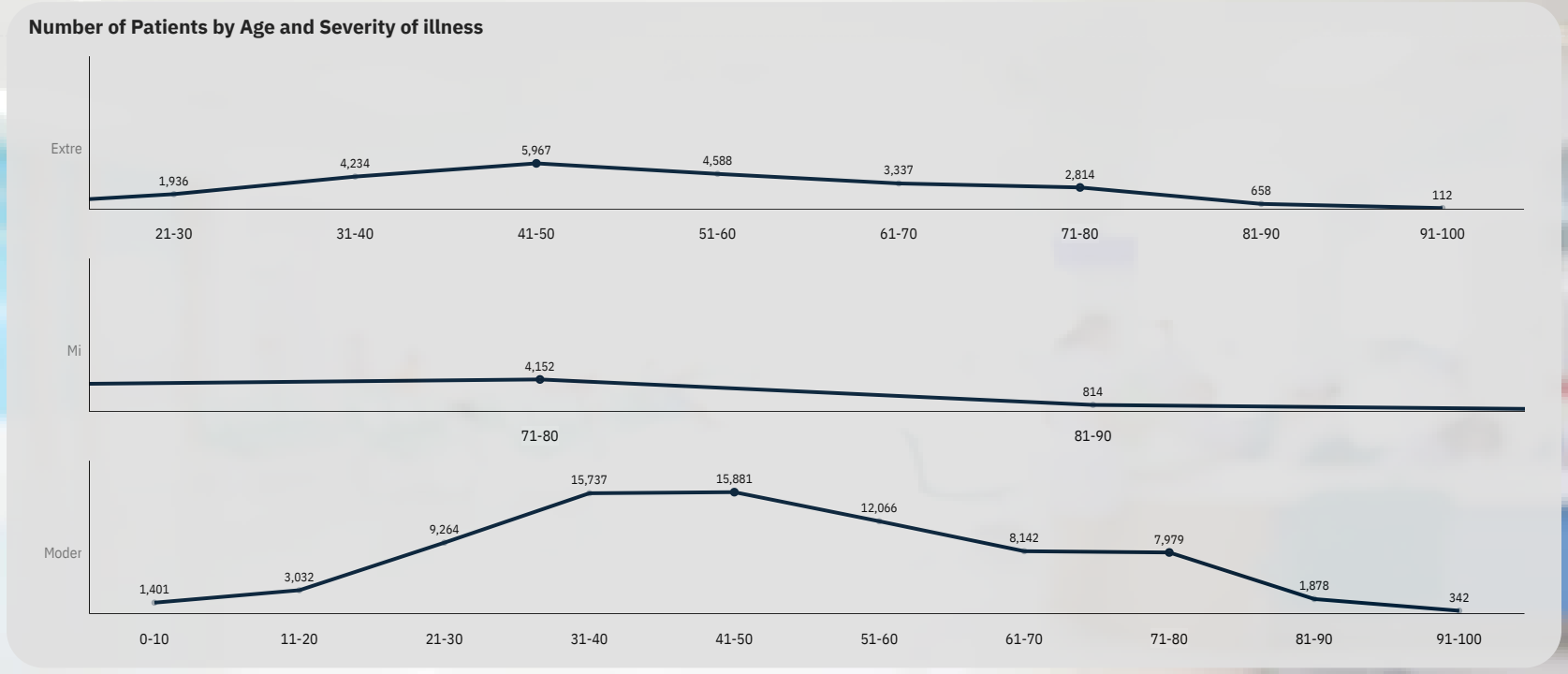
Predicting the Length of the stay of the Patients

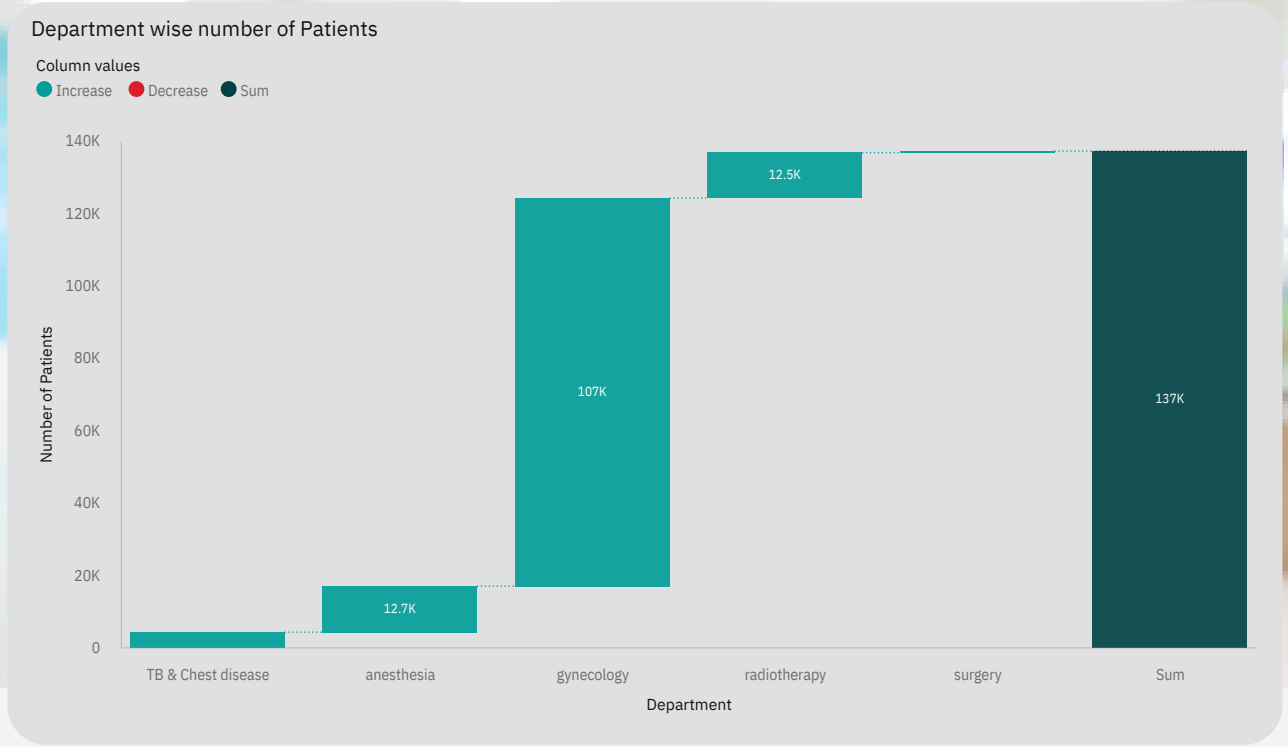
- **The goal is to accurately predict the Length of Stay for each patient on case by case basis.**
- The Hospitals can use this information for optimal resource allocation and better functioning.
- **The length of stay is divided into 11 different classes ranging from 0-10 days to more than 100 days.**

Number of patients by their age and illness range



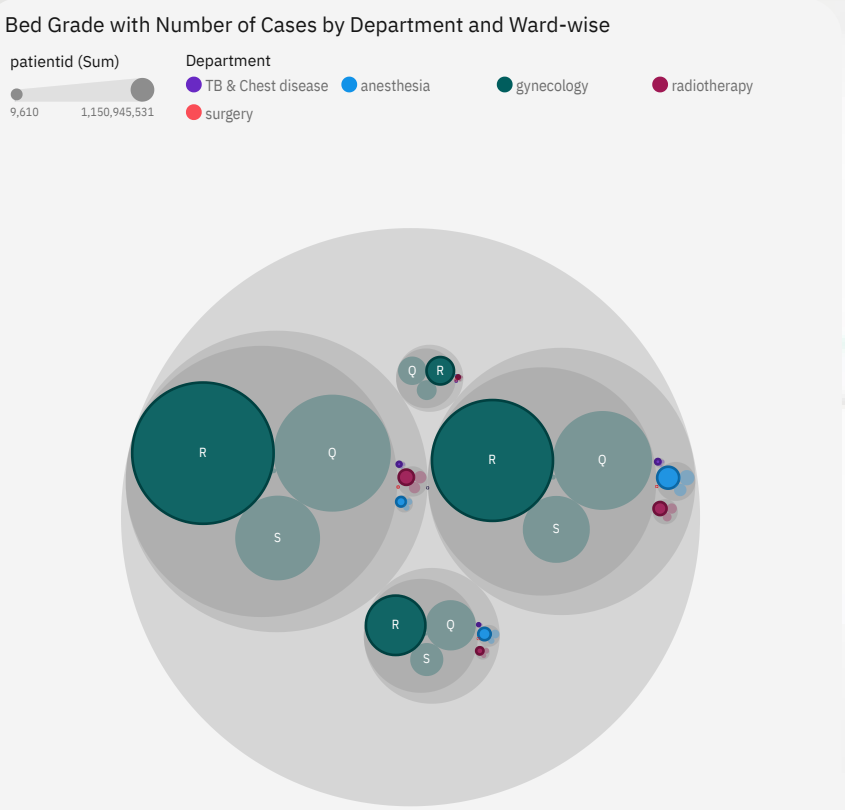
This column chart shows the number of patients getting admitted to the hospital classified based on their age and severity of illness.

Number of Patients by departments



This Waterfall chart shows the number of patients getting admitted to each department.

Bed grade for Patients

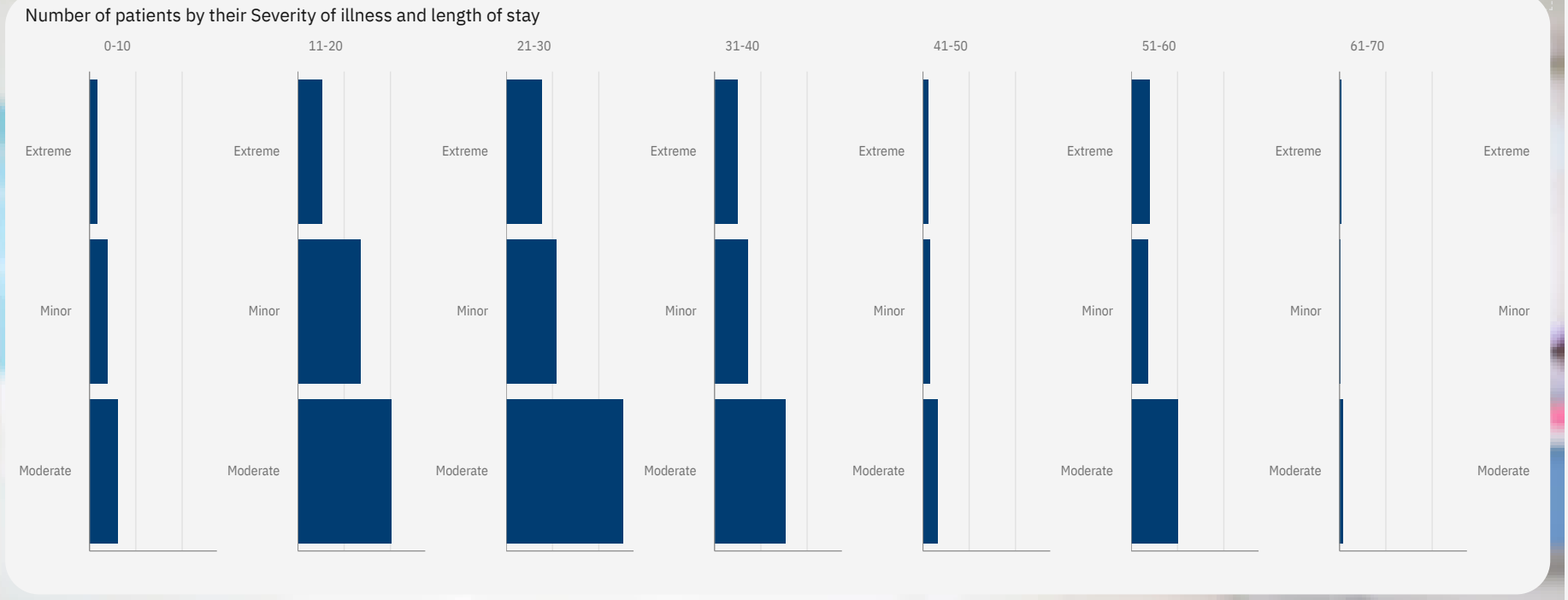


Ward_Type

Ward_Type
P
Q
R
S
T
U

The hierarchy bubble shows the bed grade with number of Patients admitted in a department, ward-wise.

Length of stay of Patients by their illness range



This bar charts depicts the number of patients by their Severity of illness and their Length of stay.

Conclusion

- Based on these, the Length of Stay of Patients is identified. Once identified, beds and resources could be allocated to the departments and wards.

- Patients with high LOS risk can have their treatment plan optimized to minimize LOS and lower the chance of staff/visitor infection.


THANK YOU !