

Healthcare analytics report

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Our case study

We have a medical health care system and we want to investigate

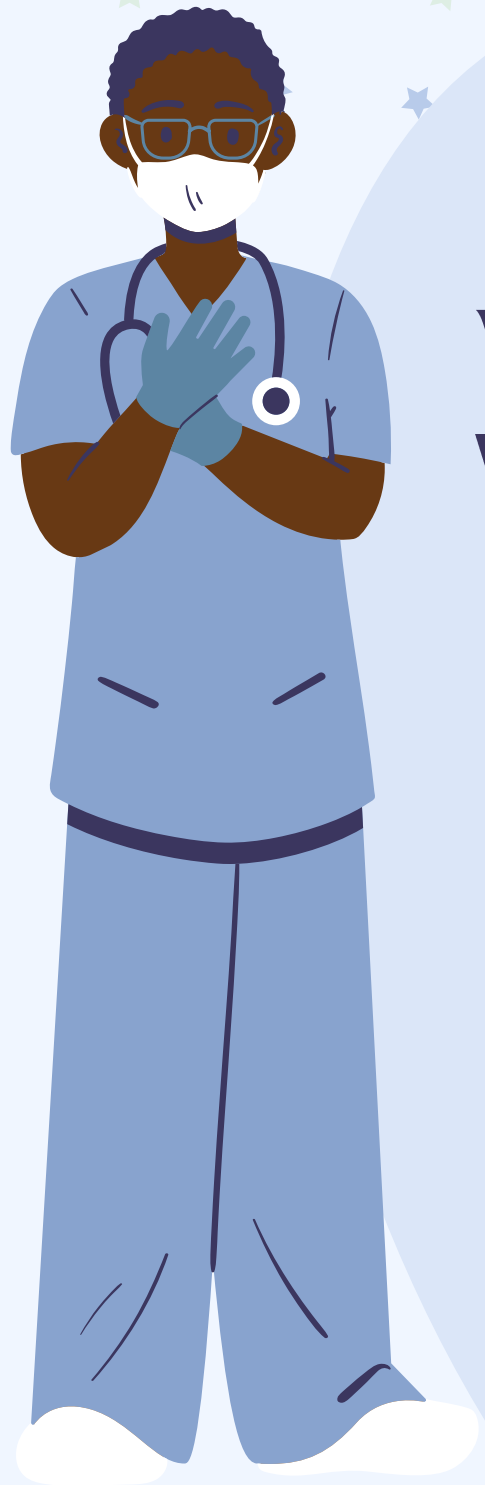
To what extent the medical condition affected by age and gender

To what extent the medication regimen affected by age and gender

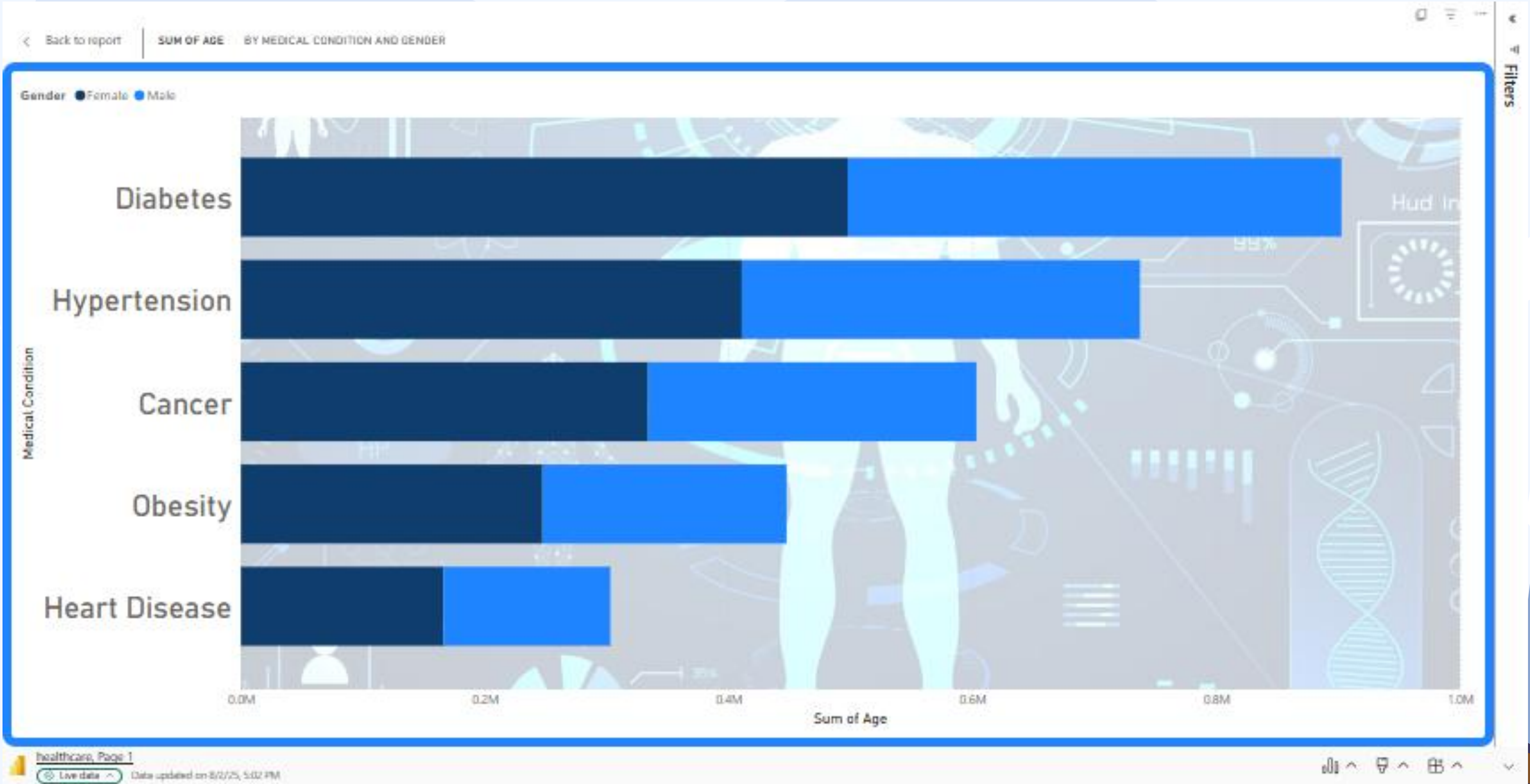
How the insurance amount affected by the hospitals and the addition type

How the insurance amount affected by the insurance providers

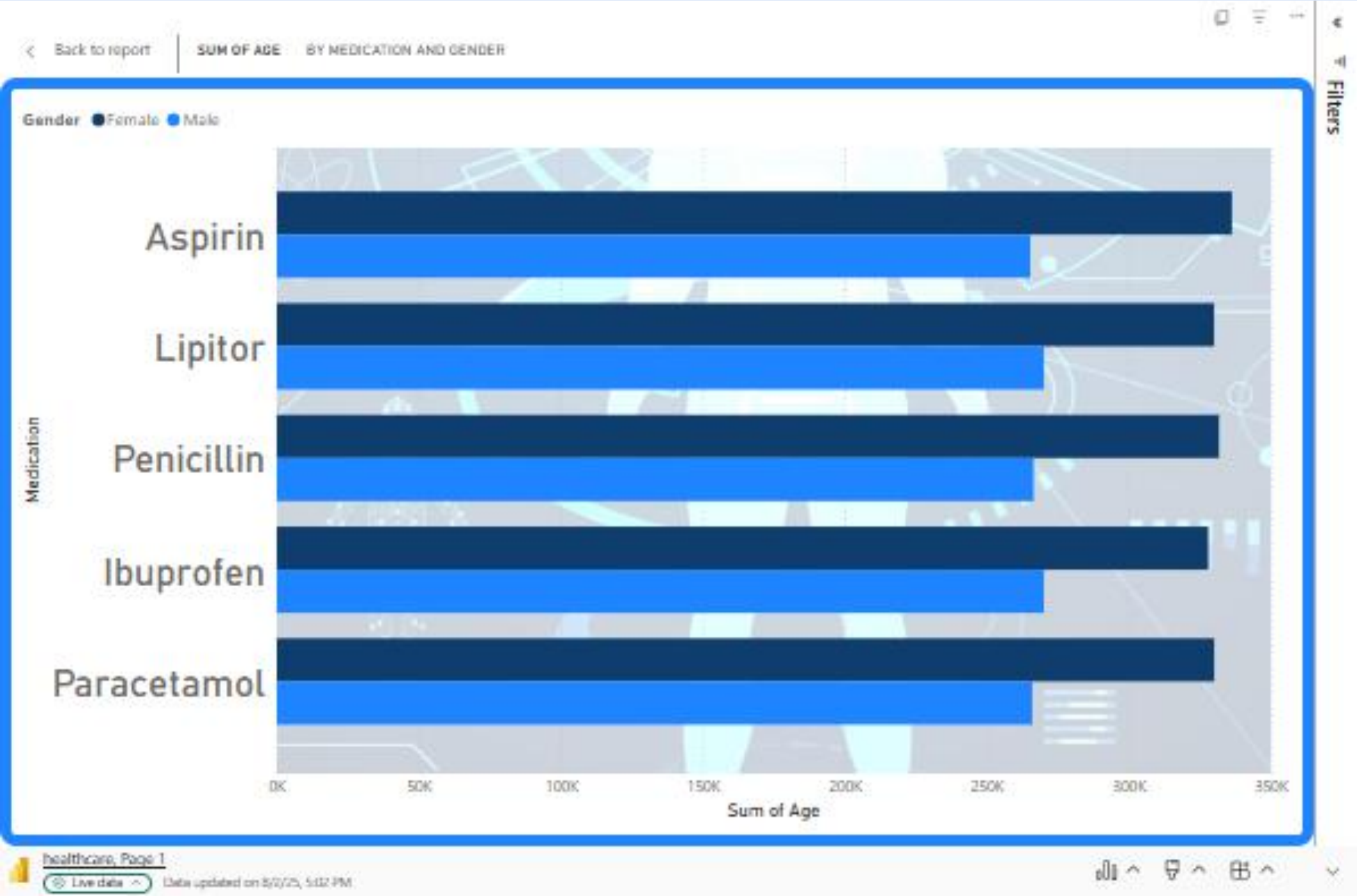
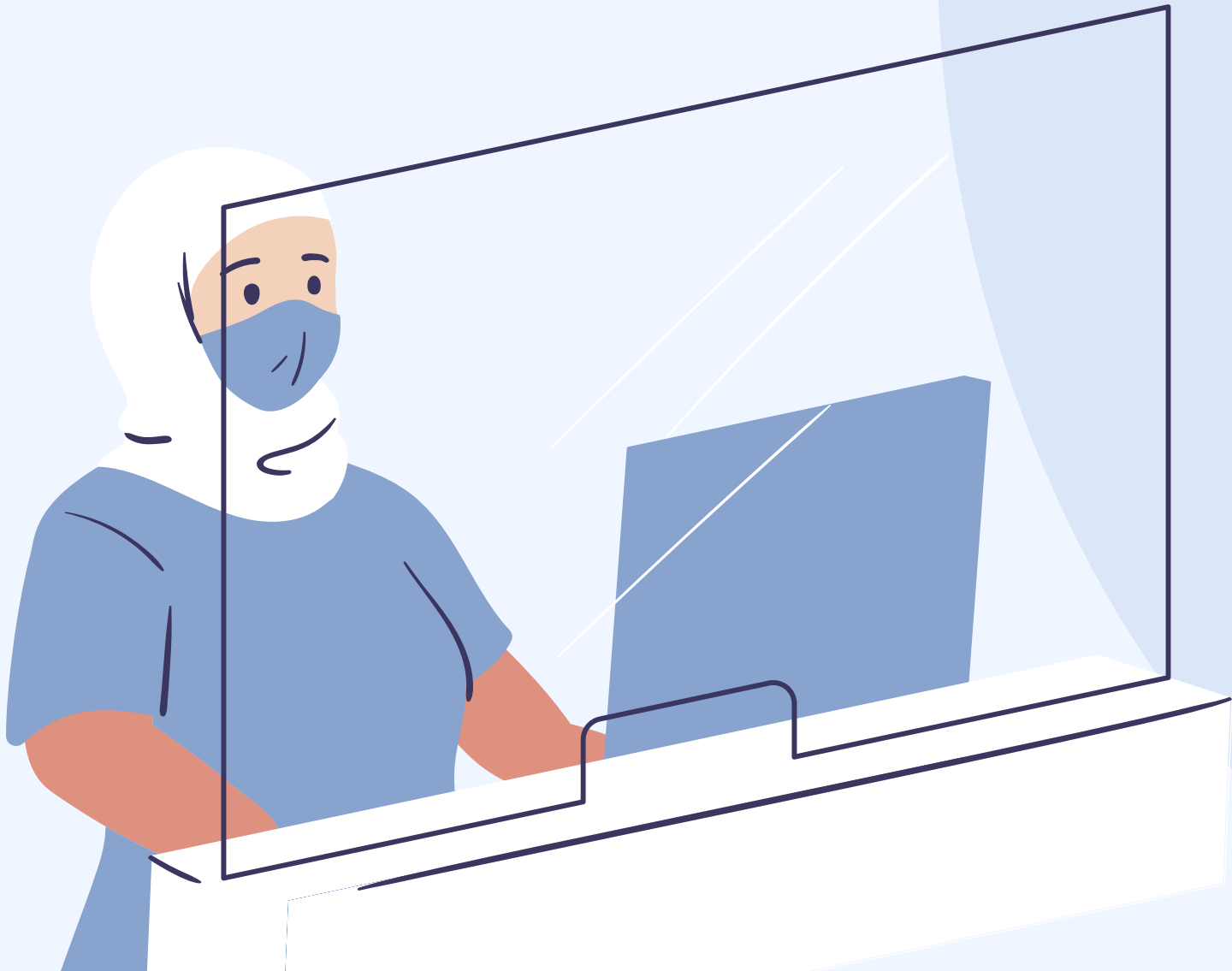
What is the average billing amount by year



Distribution of medical condition by age and gender



Medication regimen by age and gender



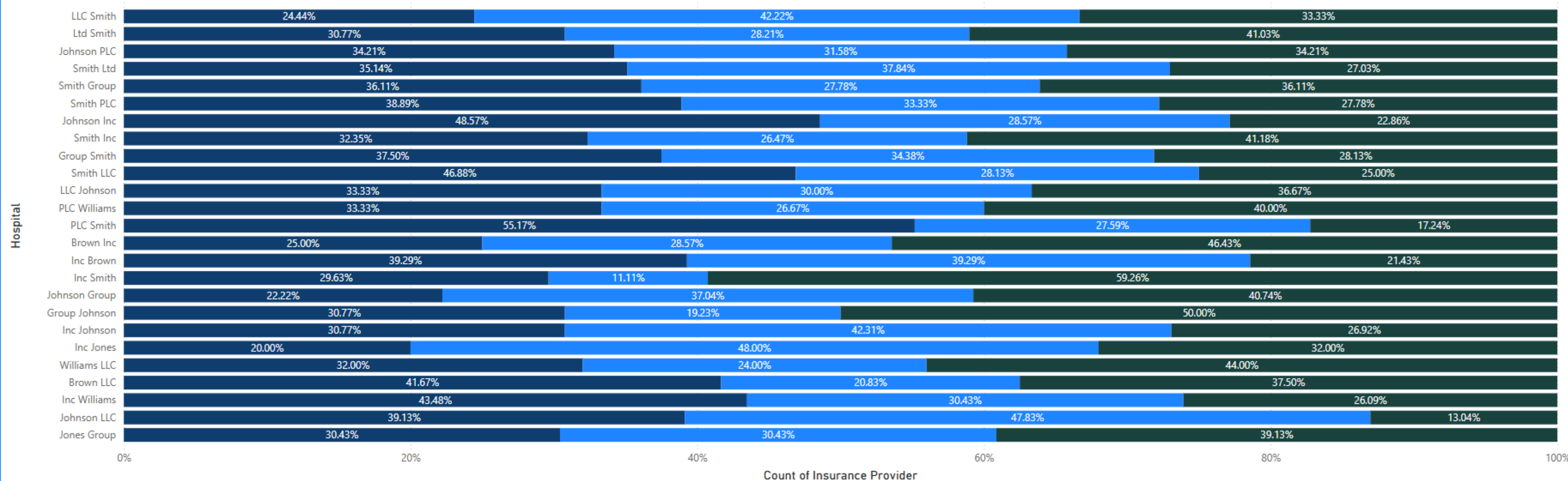


Effect of hospital and admission type on the insurance

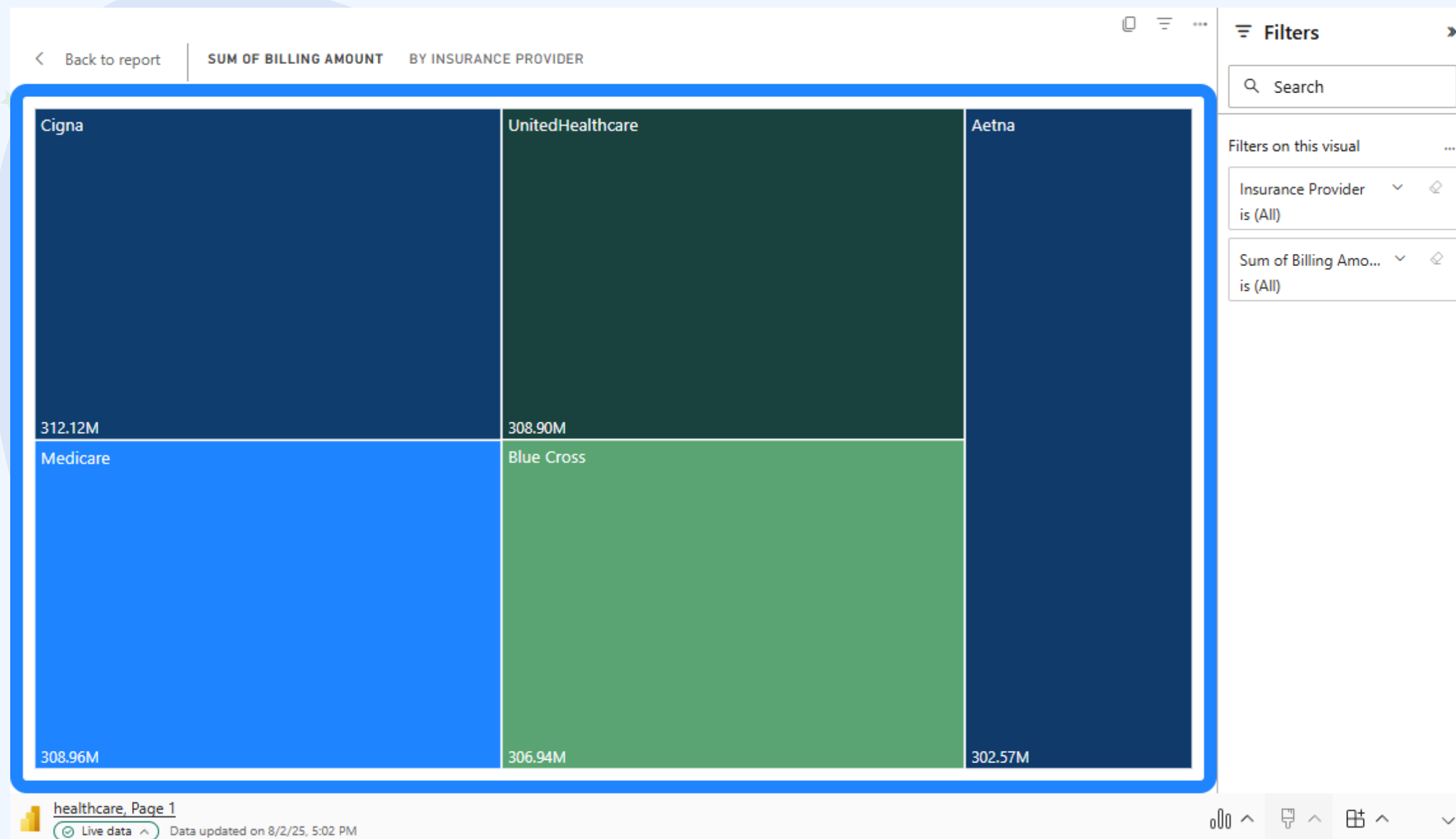
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COUNT OF INSURANCE PROVIDER BY HOSPITAL AND ADMISSION TYPE

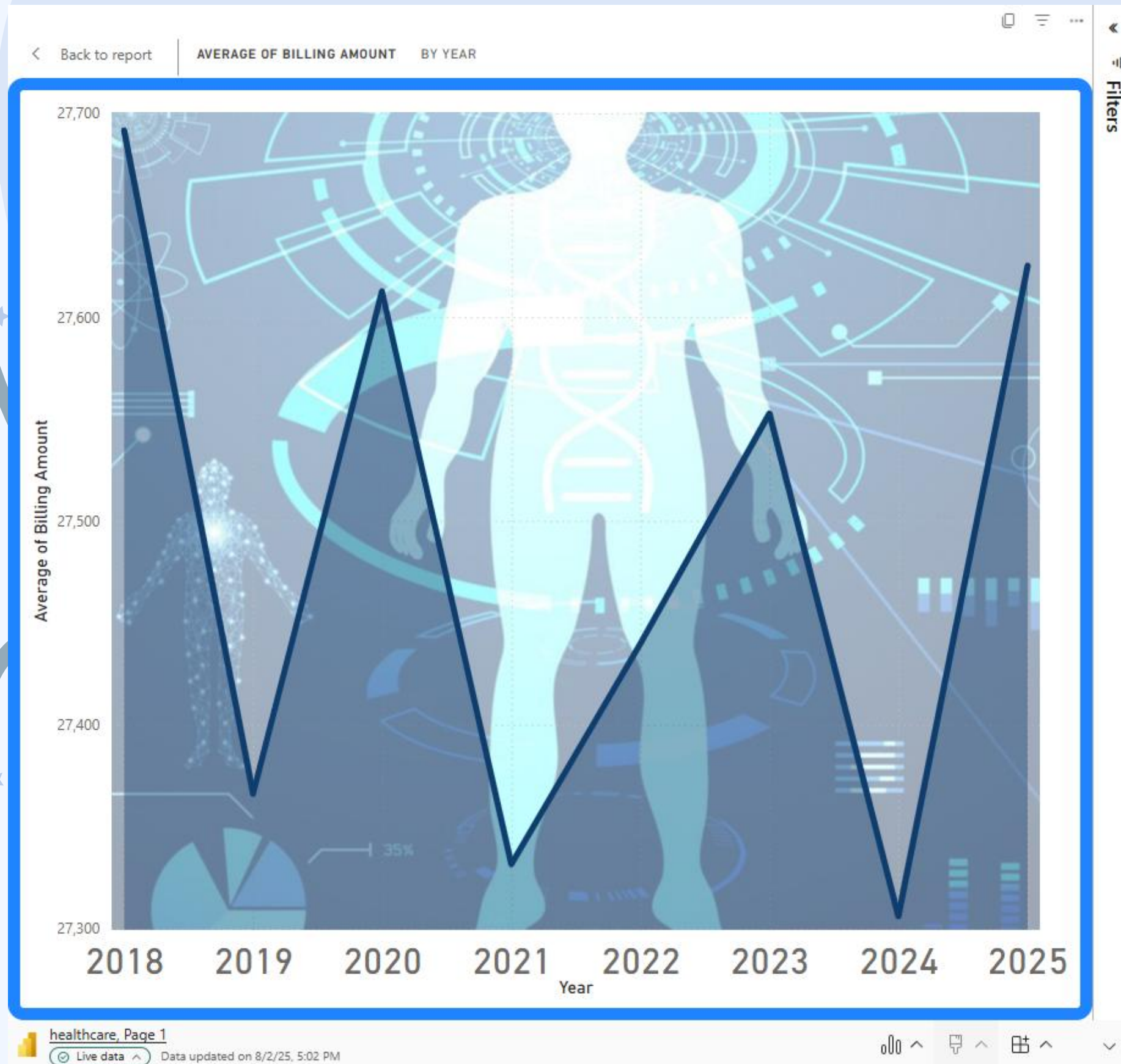
Admission Type ● Elective ● Emergency ● Urgent



Effect of insurance providers on billing amount



Average of billing amount by year



Conclusion



- ❖ The highest average billing amount was found in 2018 (27.700)
- ❖ The highest billing amount was provided from Aetna provider (302.57 M)
- ❖ The Emergency admission type is the highest department that receive the insurance specially in Inc Jones hospital



- ❖ Diabetes is the highest disease that affected by both age and gender specially in female at age of 50 year
- ❖ Female receive more medication than males at all ages specially aspirin medicine

Admission Type

Elective

Emergency

Urgent

Health Analytics Report

Test Results

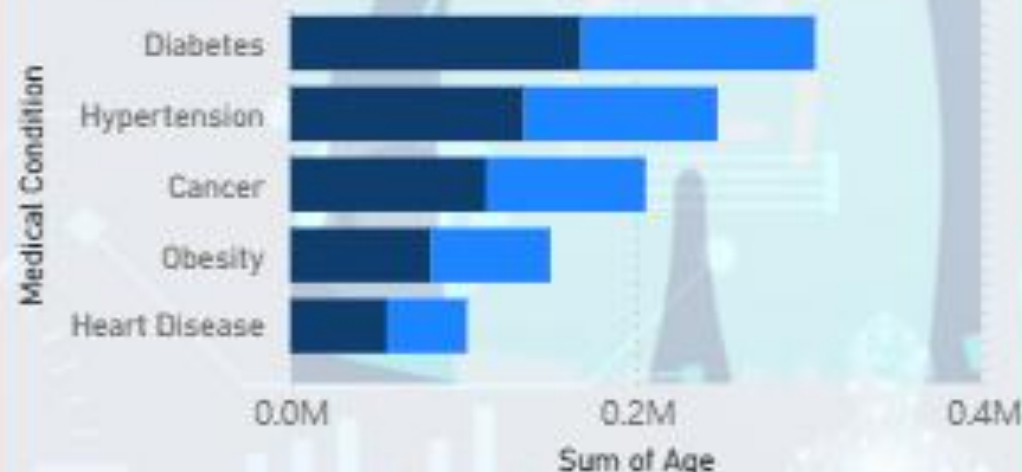
Abnormal

Inconclusive

Normal

Sum of Age by Medical Condition and Gender

Gender ● Female ● Male



520.91M

Sum of Billing Amount

53.54

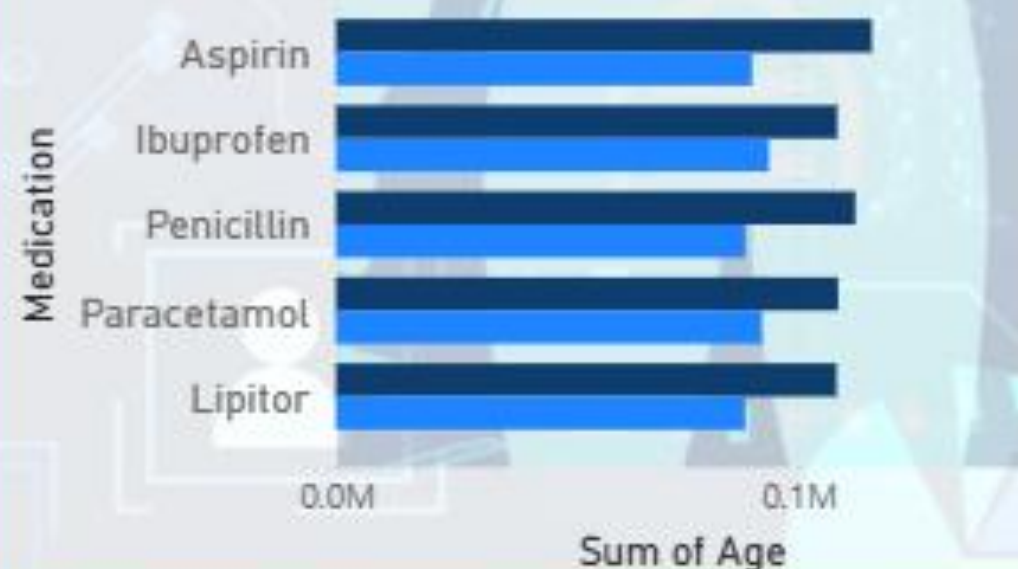
Average of Age

Average of Billing Amount by Year



Sum of Age by Medication and Gender

Gender ● Female ● Male



Count of Insurance Provider by Hospital and Admission Type

Admission Type ● Elective



Sum of Billing Amount by Insurance Provider



**Thank you for
your attention**

