



# HEALTHCARE ANALYTICS



## POWER BI DASHBOARD PRESENTATION



**Presented By:** Abhishek Verma

# THE OBJECTIVE – WHY THIS DASHBOARD?



## WHY ANALYZE HOSPITAL DATA?

- ◆ IDENTIFY PATIENT TRENDS & DIAGNOSIS IMPACT
- ◆ OPTIMIZE FINANCIAL INSIGHTS (BILLING & INSURANCE)
- ◆ IMPROVE HOSPITAL RESOURCE ALLOCATION
- 💡 *BETTER INSIGHTS = BETTER HEALTHCARE DECISIONS!*

# THE DATASET – WHAT'S INSIDE?

## KEY DATA COLUMNS:

- ✓ **PATIENT INFO:** PATIENT ID, ADMIT DATE, DISCHARGE DATE
- ✓ **DIAGNOSIS & TESTS:** DISEASES, LAB TESTS CONDUCTED
- ✓ **HOSPITAL OPERATIONS:** BED OCCUPANCY, DOCTOR, FOLLOW-UPS
- ✓ **FINANCIALS:** BILLING AMOUNT, INSURANCE CLAIMS

 *UNLOCKING TRENDS THROUGH DATA-DRIVEN HEALTHCARE ANALYTICS!*



# THE DASHBOARD – YOUR HEALTHCARE COMMAND CENTER!

 **KPIS AT A GLANCE:**

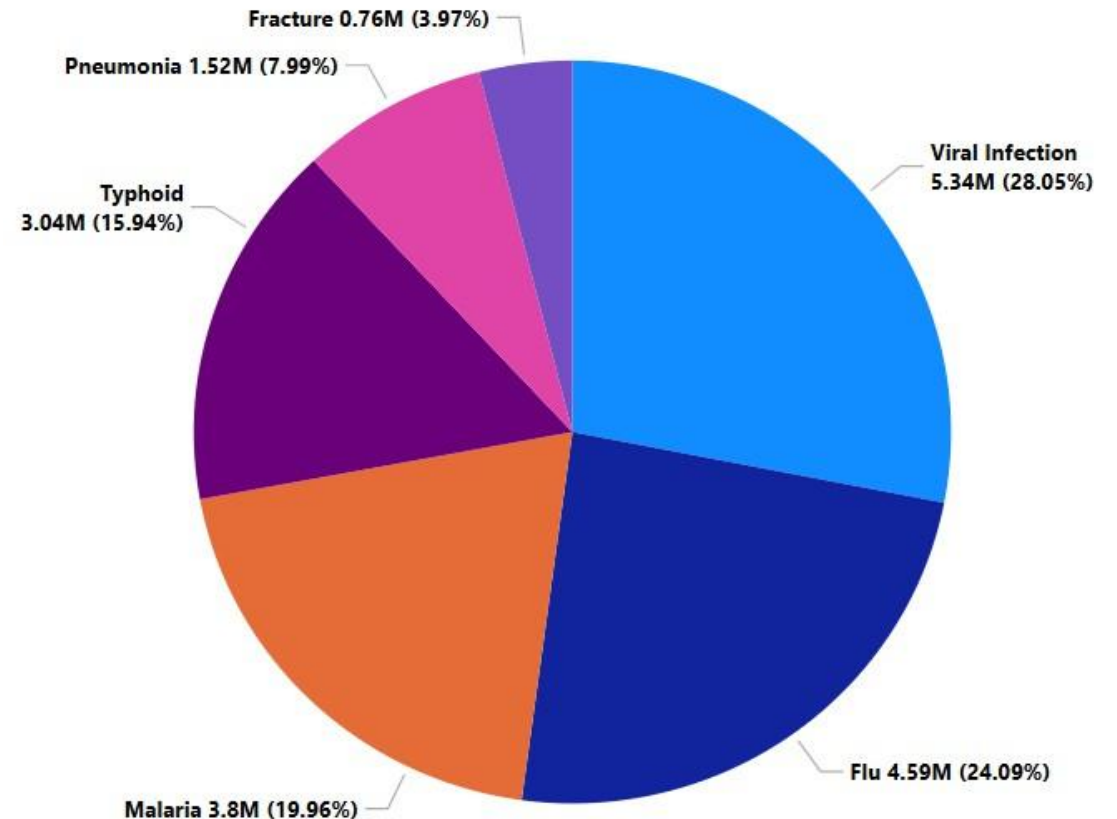
 **TOTAL PATIENTS: 7,157**

 **TOTAL REVENUE: \$19.04M**

 **INSURANCE CLAIMED: \$171.39K**

# DIAGNOSIS INSIGHTS – WHERE'S THE MONEY?

-  **Revenue by Diagnosis:**
-  **Top Earner: Viral Infection (\$5.34M)**
-  **High Volume, Low Cost: Typhoid (\$3.04M)**



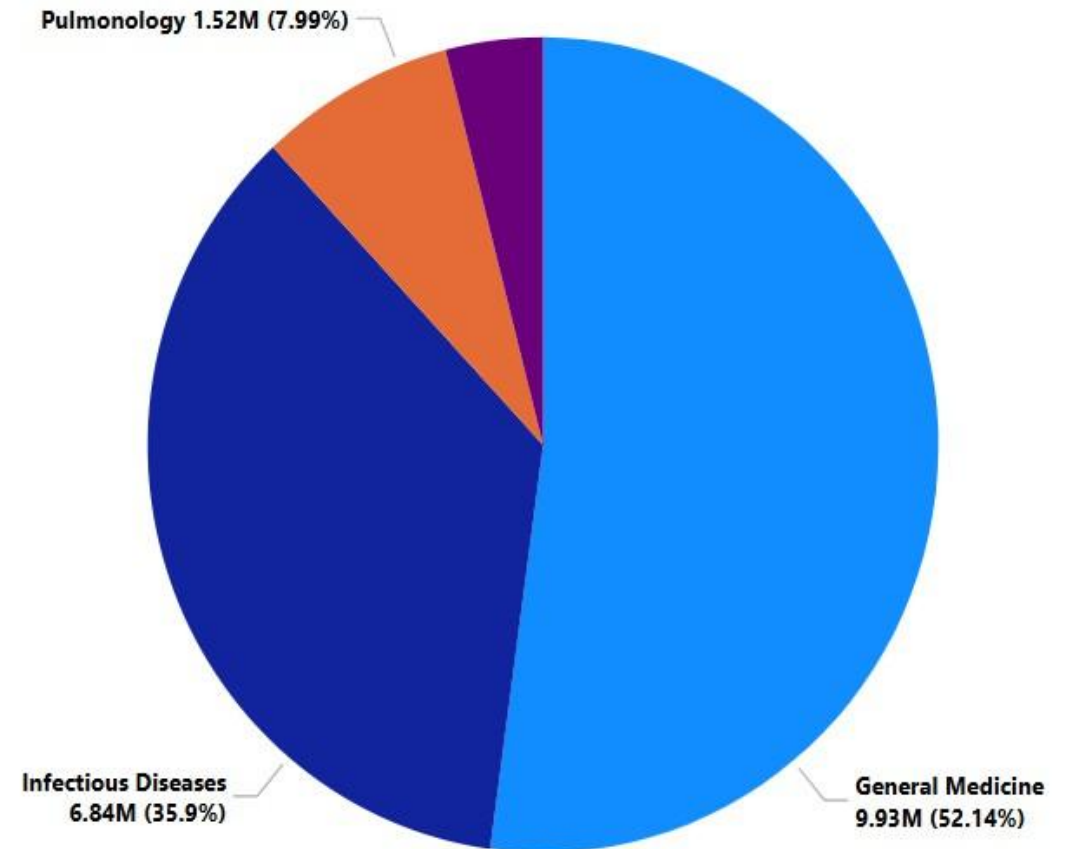
# Department-Wise Revenue

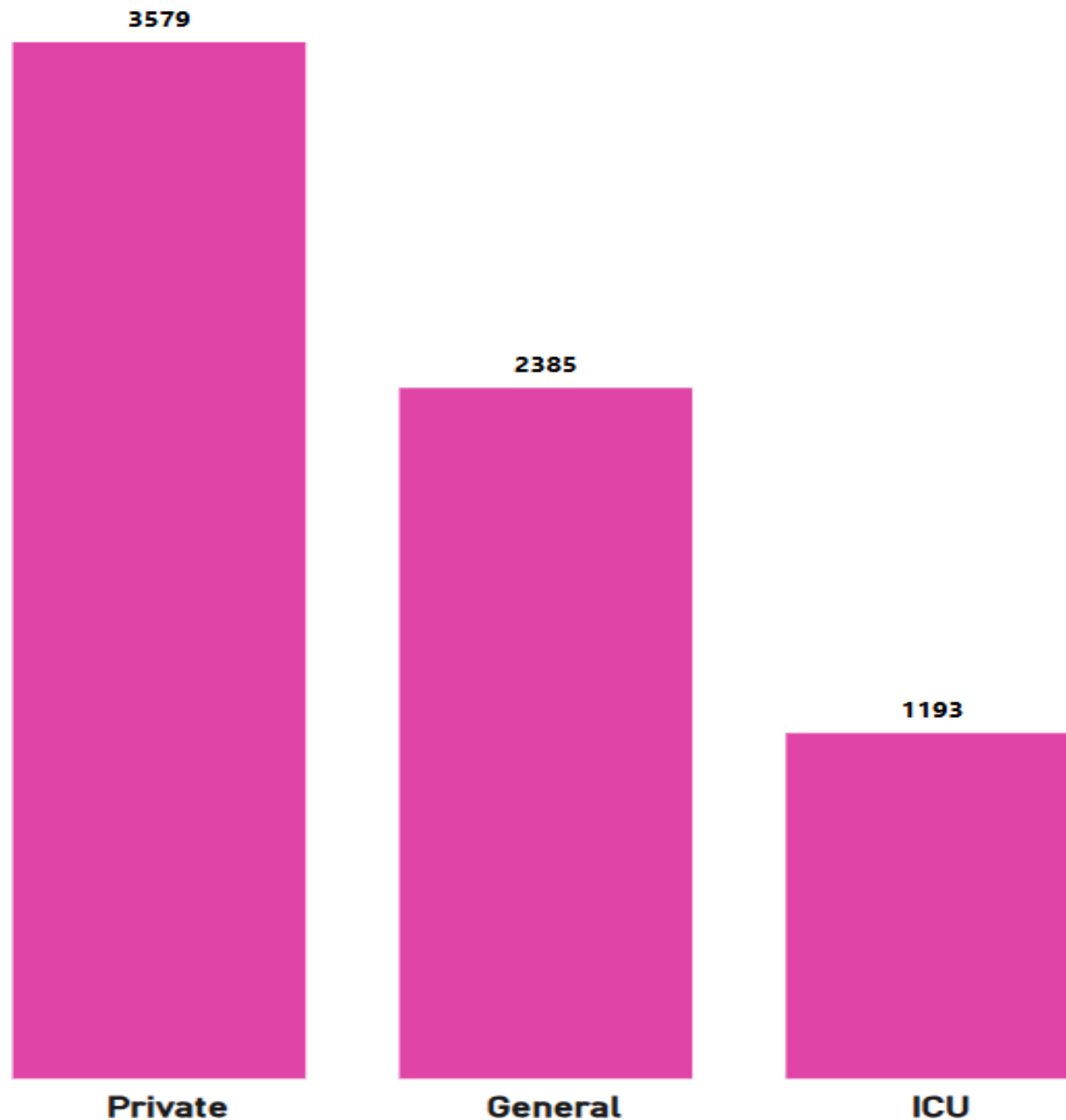
## 🏥 Highest Revenue:

✅ General Medicine: \$9.9M

✅ Infectious Diseases: \$6.8M

🚑 Resource Planning Required!



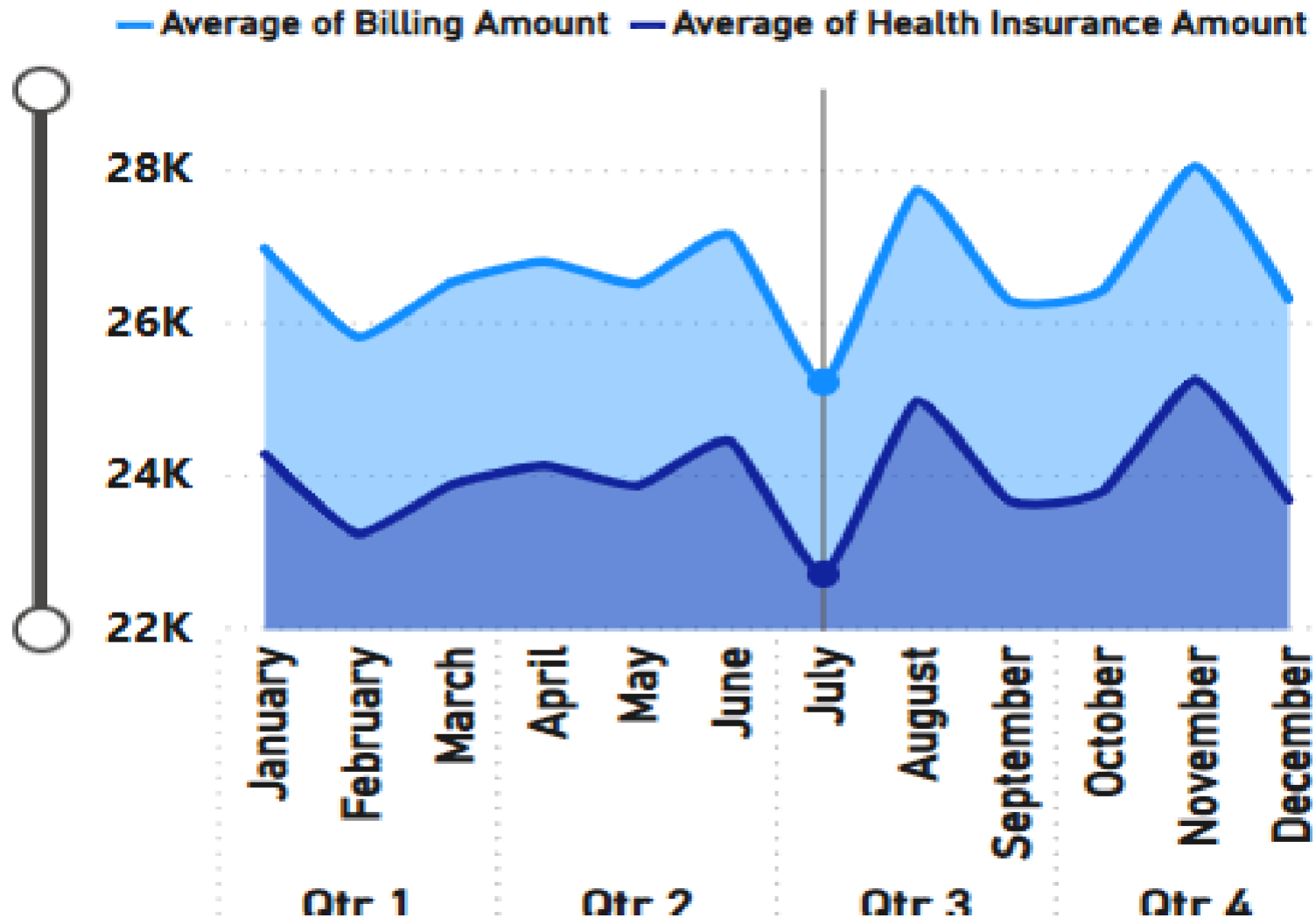


## Bed Occupancy – Is There a Pattern?

➤ **Private Rooms Dominate!**

✓ **Private Beds: 3.6K**

✓ **ICU Beds Underutilized: 1.2K**



## SEASONAL TRENDS IN BILLING & INSURANCE

 **Boom Months:**

April, June, August, November

 **Low Months:**

February, July, September, October




# ACTIONABLE INSIGHTS & RECOMMENDATIONS



 **OPTIMIZE ICU & GENERAL WARD USAGE**

 **ADJUST HOSPITAL STAFFING BASED ON SEASONAL TRENDS**

 **STRATEGIC INSURANCE PLANNING TO REDUCE FINANCIAL RISKS**

 *From data to decisions – Driving hospital efficiency!*





# THANK YOU

[averma22299@gmail.com](mailto:averma22299@gmail.com)

