## **Insights from the Data**

### **1. Age Group Distribution**

* The majority of patients are in the 19–64 age group, representing the working-age population.

### **2. Psychiatric Diagnoses**

* Psychiatric conditions such as depression and anxiety are prevalent, with a significant need for timely diagnosis and treatment.

### **3. PHQ-9 Scores**

* Patients with PHQ scores above 10 indicate moderate to severe symptoms of depression and anxiety, highlighting the need for immediate mental health interventions and ongoing monitoring.

### **4. Depression Treatment Gaps**

* A large proportion of patients diagnosed with depression do not receive antidepressants within 90 days, highlighting gaps in care delivery.

### **5. CPT Code Utilization**

* Certain CPT codes, such as those related to psychotherapy, are frequently used for psychiatric patients, indicating demand for specific services.

## **Future Enhancements**

* Include predictive analytics to identify patients at risk of delayed treatment.
* Expand the analysis to other chronic conditions.
* Enable export of dashboard reports for stakeholders.