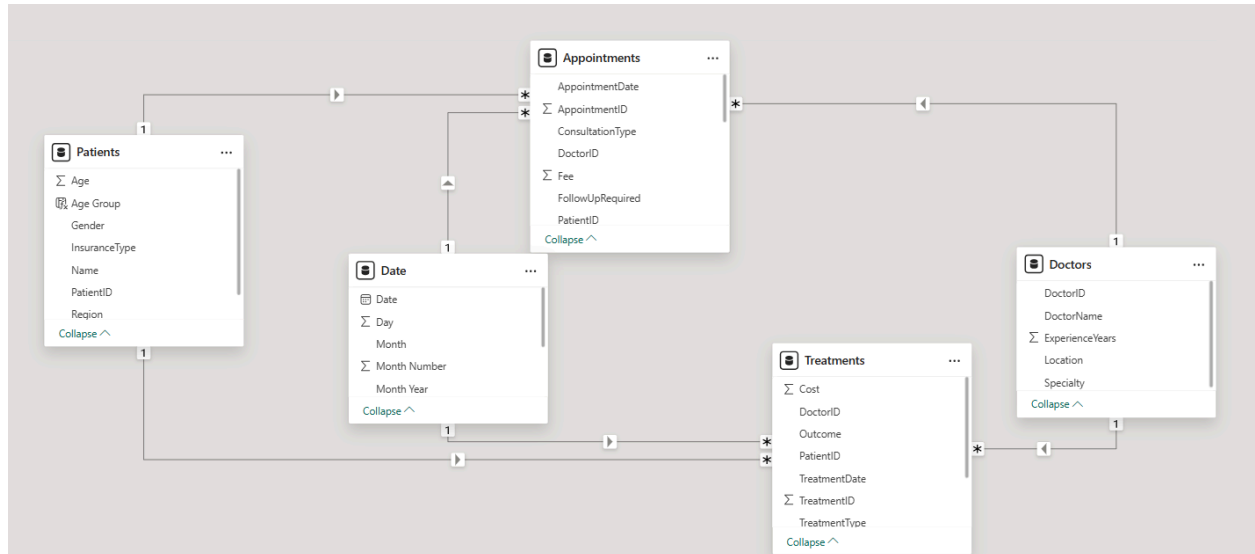# Healthcare Analytics Dashboard Report

MODEL VIEW

KEY DAX MEASURES

1. Total Active Patients

Total Active Patients =

CALCULATE(DISTINCTCOUNT(Treatments[PatientID]),

Treatments[Outcome]="Ongoing")

2. Total Appointments

Total Appointments =
COUNTROWS(Appointments)

3. Average Appointment Fee

Avg Appointment Fee =
AVERAGE(Appointments[Fee])

4. Treatment Cost per Patient

Treatment Cost per Patient =
SUM(Treatments[Cost])

5. Average Appointment Fee

Avg Fee=
AVERAGE(Appointments[Fee])

6. Treatment Success Rate

Successful Treatments =
CALCULATE(
    COUNTROWS(Treatments),
    Treatments[Outcome] = "Successful"
)
    , 0
) * 100

7. Patient Retention Rate

```
Retained Patients =
CALCULATE(
    DISTINCTCOUNT(Appointments[PatientID]),
    FILTER(
        VALUES(Appointments[PatientID]),
        CALCULATE(COUNTROWS(Appointments)) > 1
    )
)
```

```
Patient Retention Rate (%) =
DIVIDE([Retained Patients], [Total Active Patients], 0) * 100
```

8. AVG DOCTOR UTILIZATION (APPOINTMENTS PER DOCTOR)

```
Avg Doctor Utilization = DIVIDE(COUNTROWS(Appointments),

DISTINCTCOUNT(Appointments[DoctorID]))
```

9. FOLLOW UP APPOINTMENT %

```
Follow-up Appointment % =
DIVIDE(
    CALCULATE(COUNTROWS(Appointments),
Appointments[FollowUpRequired] = TRUE()),
    COUNTROWS(Appointments)
)
```

ANALYSIS RESULT

1. Total Active Patients

- Total active patients: 189.
- Breakdown by region: Highest count in East (52), followed by South (48), West (45), and North (44).
- By insurance type: Private (73), Public (56), None (60).

2. Treatment Cost per Patient

- The treatment cost per patient shows considerable variation, generally ranging between ₹2,000 and ₹4,000 for most patients.
- By treatment type:
    - Therapy: Total cost: ₹106K (Complication: ₹36K, Ongoing: ₹37K, Successful: ₹33K)
    - Medication: Total cost: ₹104K
    - Diagnostics: Total cost: ₹99K
    - Surgery: Total cost: ₹90K

3. Average Fee & Treatment Outcomes by Specialty

- Average appointment fees:
    - Neurology: ₹112.8
    - Dermatology: ₹112.0
    - Orthopedics: ₹111.1
    - Pediatrics: ₹108.4
    - General Medicine: ₹104.2
    - Cardiology: ₹103.9
- Treatment outcomes (Count of successful outcomes):
    - Pediatrics: 317
    - Orthopedics: 298
    - General Medicine: 295
    - Dermatology: 248
    - Cardiology: 206
    - Neurology: 135

4. Success Rate by Specialty

- Treatment Success %:
    - Neurology: 37.78%
    - Cardiology: 35.44%
    - Pediatrics: 35.33%
    - Orthopedics: 32.21%
    - General Medicine: 30.85%
    - Dermatology: 30.24%

5. Key Insights

- The clinic has a balanced patient base across regions and insurance types.
- Appointment volumes are highest in General Medicine and Pediatrics.
- Success ratios across specialties are below 40%, with Neurology leading slightly.
- Diagnostics and medication accumulate the highest treatment costs.
- The average appointment fee is ₹108.49, with specialty-based variation.
- Telehealth and in-person consults maintain similar volumes, with some fluctuations monthly.
- Patient retention rates are high and fairly consistent across insurance types.