Safecare Insurance Analysis

AGENDA

1. Introduction
2. Objective
3. Dataset
4. Requests
5. Insights
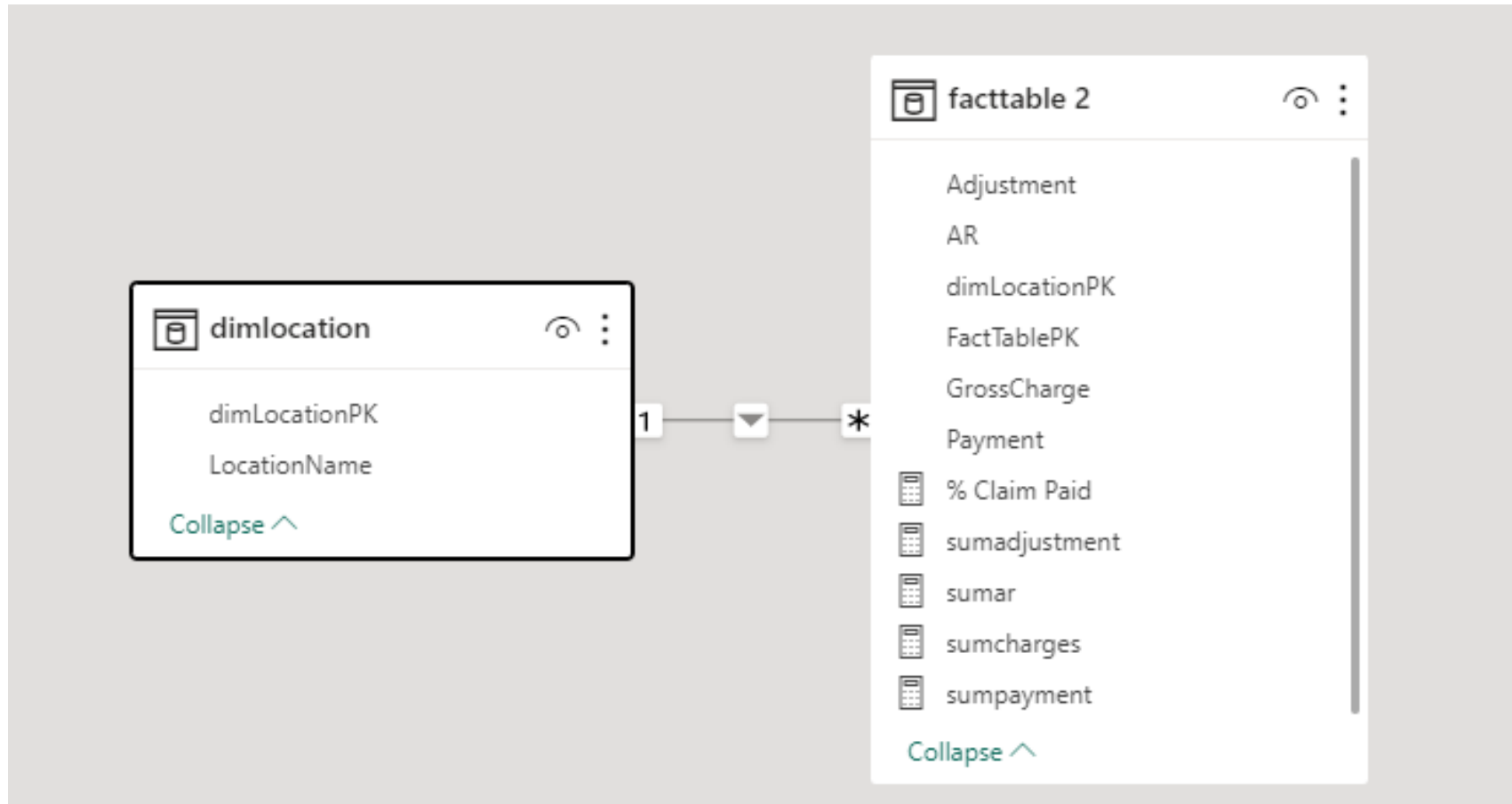
Introduction

Safecare Insurance is leading healthcare insurance in India which covers total of 11 hospitals and clinics around Mumbai city

Objective

Safecare has huge claims data of year 2023 for all 11 facility. Stakeholders wants metrics of charges, payment, adjustments and AR of each facility to enhance their operations

Dataset and modelling

Tools used

SQL

Power BI

Question 1

Calculate total adjustment of Pioneer Clinic

```sql
select round(sum(abs(adjustment))) as total_adjustment
from facttable
inner join dimlocation
on facttable.dimlocationpk=dimlocation.dimlocationpk
where locationname ='Pioneer Clinic'
```

SQL

total_adjustment numeric
1	2291

Power BI

Total Adjustment

₹2,291

Question 2

Mention facility which has maximum charges

```sql
select locationname,
sum(abs(grosscharge)) as max_charge
from facttable
inner join dimlocation
on facttable.dimlocationpk=dimlocation.dimlocationpk
group by locationname
order by 2 desc
limit 1
```

SQL   Power BI

locationname character varying (255) 🔒	max_charge numeric 🔒
Angelstone Community Hospital	827897.82

Hospital/Clinic Name	Charges
Angelstone Community Hospital	₹8,27,901

Question 3

Calculate total AR of Genesis Hospital Center

```sql
select round(sum(abs(ar))) as total_adjustment
from facttable
inner join dimlocation
on facttable.dimlocationpk=dimlocation.dimlocationpk
where locationname ='Genesis Hospital Center'
```

SQL

total_adjustment numeric 🔒
1   2836

Power BI

Total AR

₹2,836

Question 4

Mention facility which has minimum payment

```sql
select locationname,
sum(abs(payment)) as min_payment
from facttable
inner join dimlocation
on facttable.dimlocationpk=dimlocation.dimlocationpk
group by locationname
order by 2 asc
limit 1
```

SQL

Power BI

locationname character varying (255) 🔒	min_payment numeric 🔒
Genesis Hospital Center	871.46

Hospital/Clinic Name	Payment ▲
Genesis Hospital Center	₹872

Question 5

Calculate % claim paid of Principal Medical Clinic

```sql
select sum(abs(payment))/sum(abs(grosscharge))*100 as claim_percent
from facttable
inner join dimlocation
on facttable.dimlocationpk=dimlocation.dimlocationpk
where locationname='Principal Medical Clinic'
```

SQL

Power BI

claim_percent
numeric

47.05594333965862099300

Principal Medical Clinic	47.05

Insights

- Maximum charges is of Angelstone Community Hospital facility
- Total Adjustment cost of Pioneer Clinic is 2,291
- Minimum Payment is of Genesis Hospital Center facility
- Total AR cost of Genesis Hospital Center is 2,836
- Percent Claim paid for Principal Medical Clinic is 47.05%

thank you!