# **Key Insights from Telecom Churn Analysis:**

- 1. Overall Churn Rate How many customers are leaving?
  - About 26.5% of customers left the company.
  - This means 1 out of every 4 customers stops using the service.
  - High churn = company keeps losing many customers despite gaining new ones.
- 2. Gender Impact Do men or women leave more?
  - Churn is almost the same for both men and women.
  - So, **gender is not an important factor** in predicting who will leave.
- 3. Senior Citizens Are older customers leaving more?
  - Only 16% of total customers are senior citizens.
  - But seniors leave at a higher rate compared to younger customers.
  - This may be because older people may:
    - Find services harder to use.
    - Be more sensitive to price.
    - Need more personal support.
- 4. Tenure (How long they stay) When do people leave?
  - New customers (1–2 months) are most likely to leave.
  - Long-term customers (2+ years) rarely leave they become loyal.
  - Example: If a customer stays beyond 2 years, they are very unlikely to churn.
- 5. Contract Type Does the contract matter?
  - Month-to-month contracts = highest churn.
  - 1-year or 2-year contracts = very low churn.
  - Why? Because long contracts "lock in" customers and show commitment.

### 6. Internet Service Type – Which service has more problems?

- Fiber optic internet customers leave more compared to DSL.
- Possible reasons:
  - Higher prices.
  - Service issues or downtime.
  - Customer expectations not met.

#### 7. Extra Services – Do add-ons help keep customers?

- Customers without Online Security, Tech Support, or Device Protection are more likely to leave.
- Customers who buy extra services stay longer.
- Example: If a customer has internet + tech support + security, they are less likely to churn.

### 8. Entertainment Services - Do streaming services help?

- Having **Streaming TV or Streaming Movies** helps a little in reducing churn.
- But it's not as strong as security or tech support services.

#### 9. Phone & Multiple Lines – Does phone service matter?

- Having a phone line or multiple lines does not reduce churn much.
- Internet-based services are much more important for retention.

#### 10. Payment Method – Does payment choice matter?

- Electronic check customers churn the most.
- Automatic payments (credit card, bank transfer) = lowest churn.
- Easy and reliable payment methods build loyalty.

#### 11. Billing Type – Paper or paperless?

- Customers with paperless billing churn a little more.
- This might be because paperless billing is often linked to electronic checks.

# 12. Monthly Charges – Do high prices cause churn?

- Customers with higher monthly bills are more likely to leave.
- Suggests many customers don't see enough value for the high price.

## 13. Total Charges - Does spending more mean loyalty?

- Customers with low total spending (new/short-term users) leave more.
- Customers with high lifetime spending stay loyal.
- This shows: keeping customers in the **first few months is the hardest**.

# **Overall Business Implications:**

#### 1. Focus on New Customers

- Most people leave in the first 3 months.
- Give welcome offers or discounts to make them stay.
- Provide extra support and solve issues quickly.
- Make them feel valued with check-in calls or messages.

## 2. Promote Long Contracts

- Month-to-month customers leave faster.
- Offer discounts for 1–2 year contracts.
- Add freebies like free month, free device, or streaming.
- Longer contracts make customers stay loyal.

## 3. Fix Fiber Optic Issues

- Fiber users leave more than DSL users.
- Improve speed and reduce service problems.
- Adjust pricing if it feels too costly.
- Take feedback from fiber customers regularly.

#### 4. Sell Bundles

- Customers without add-ons leave more often.
- Bundle Online Security, Tech Support, and Protection together.
- Offer bundles at a lower price than buying separately.
- More services used = harder for customers to leave.

#### 5. Encourage Auto-Pay

- Customers using electronic checks churn the most.
- Give rewards like cashback or discounts for auto-pay.

# **Telecom Churn Analysis Report – Summary & Recommendations** Auto-pay is easier with credit cards and bank transfers. Simple sign-up makes more people choose it. 6. Review Pricing High-bill customers feel service is not worth the price. Give loyalty discounts to reduce this feeling. • Offer perks like faster support or free upgrades. • Let customers customize plans to fit their needs. Page | 5