Summary and recommendation

Objective

The analysis investigates factors influencing customer churn, with a particular focus on:

- Contract types
- Payment methods
- Customer tenure

The goal is to identify drivers of churn and recommend strategies for improving customer retention.

Key Insights and Findings

1. Contract Type and Churn

- **Month-to-Month Contracts:** Customers on month-to-month contracts exhibit the highest churn rate at **42%**.
- Yearly Contracts: Customers on one-year contracts show a churn rate of 11%.
- **Two-Year Contracts:** The churn rate drops significantly to **3%** for customers on two-year contracts.

Implication:

Longer contract durations significantly improve customer retention by reducing the likelihood of churn.

2. Payment Methods and Churn

- **Electronic Checks:** Customers paying via electronic checks have the highest churn rate at **45**%.
- Other Payment Methods: Customers using credit cards, bank transfers, or mailed checks experience a churn rate of 15–18%.

Implication:

The trust and convenience issues associated with electronic check payments contribute to higher churn rates. Encouraging customers to adopt more reliable payment methods could improve retention.

3. Churn by Tenure

- **First-Year Customers:** Customers with less than one year of tenure have a churn rate of **50**%.
- Mid-Tenure Customers (1–3 years): The churn rate decreases to 35%.
- Long-Term Customers (>3 years): Churn rate drops further to 15%.

Implication:

Customer engagement strategies should focus heavily on the first year, as this is the most critical period for retention.

4. Churn by Internet Service Type

- Fiber Optic Services: Customers using fiber optic services have a churn rate of 30%.
- **DSL Services:** DSL users have a lower churn rate of **20%**.

Implication:

The higher churn rate among fiber optic users may stem from service dissatisfaction or competition. Addressing quality issues and offering competitive pricing could help retain these customers.

5. Senior Citizens and Churn

- Senior Citizens (65+): Churn rate is 41% for senior customers.
- Non-Senior Citizens: Churn rate is 26% among non-senior customers.

Implication:

Senior citizens may benefit from specialized retention programs tailored to their unique needs, improving their customer experience and satisfaction.

Visualizations and Data Insights

Key Observations from Visuals

1. Bar Charts and Line Graphs:

• The disparity in churn rates across payment methods highlights that customers using electronic checks churn at nearly **three times** the rate of credit card users.

 A declining trend in churn rates with increasing customer tenure emphasizes the importance of early retention efforts.

2. Percentage Distribution of Churn Across Factors:

Payment Methods:

Electronic checks: 45%Credit cards: 15%

Contract Types:

■ Month-to-month: 42%

Yearly: 11%Two-year: 3%

Tenure:

First-year: 50%1–3 years: 35%3 years: 15%

Recommendations

1. Promote Long-Term Contracts

Offer discounts or additional perks to incentivize customers to choose one- or two-year contracts over month-to-month plans.

2. Address Payment Method Concerns

Launch educational campaigns and provide incentives for customers to switch from electronic checks to more secure and convenient options, such as credit cards or bank transfers.

3. Engage Customers Early

Develop personalized engagement strategies for new customers, particularly within their first year.

• Examples include onboarding programs, loyalty rewards, and proactive customer service follow-ups.

4. Retention Programs for Seniors

Implement tailored offers for senior customers, such as:

- Dedicated customer service teams.
- Discounted packages or loyalty rewards.
- Simplified billing and payment options.

Summary of Findings in Visuals

Example of visual representation emphasizing churn trends

By addressing these key factors—contract type, payment methods, tenure, and demographic insights—your organization can implement strategies to significantly reduce churn and improve customer satisfaction.