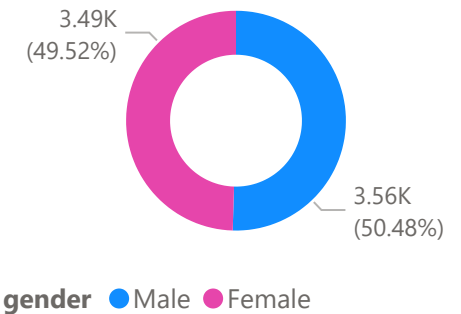


# Telecom Customer Churn Analysis

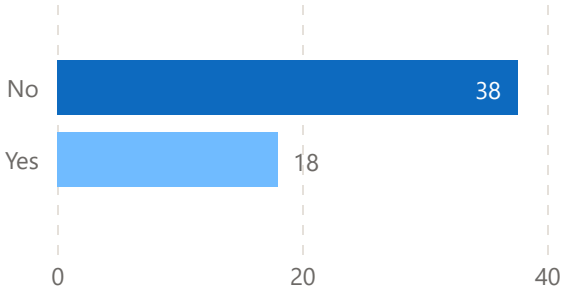
Total Customers	Churned Customers	Churn Rate	Customers Left Last...	Avg Tenure of...
7K	2K	0.27	1869	17.98

## Demographics

Proportion of Churn by Gender



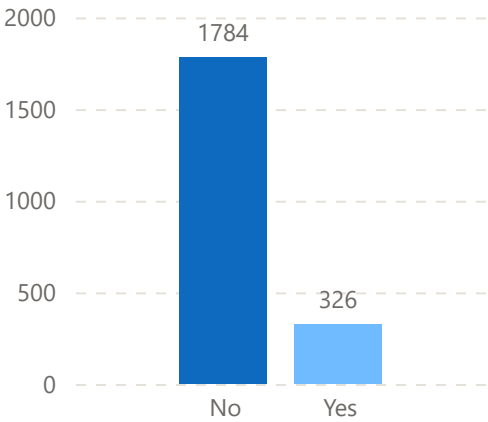
Average Tenure by Churn



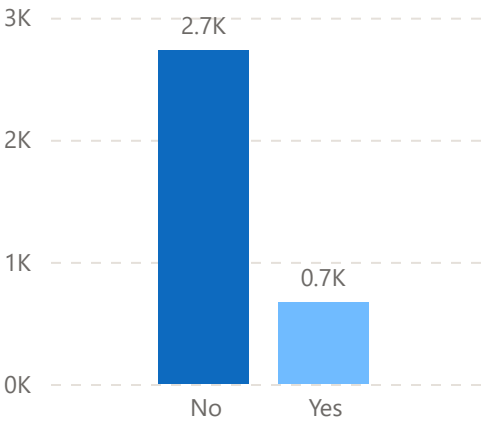
1142

Total Senior Citizens

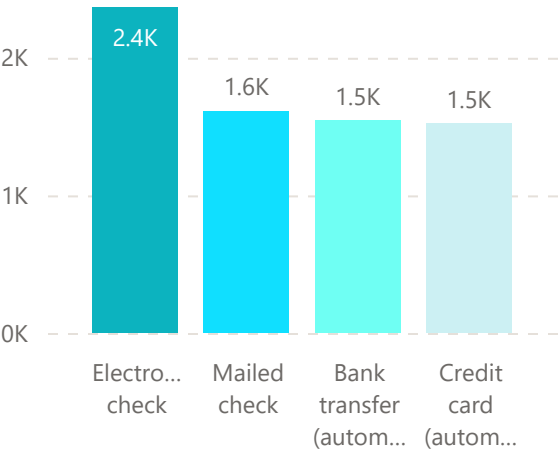
Customers with Dependents by Churn



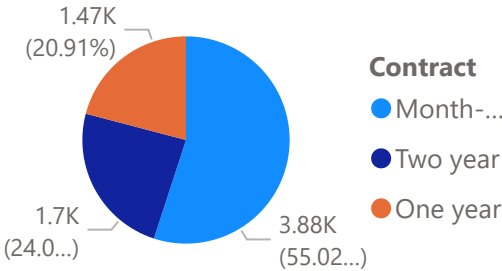
Customers with Partners by Churn



Total Customers by PaymentMethod



Count of Churn by Contract



## Services Each Customer Has Signed Up

CustomerID	Phone Customers	Internet Service	Multiple Lines	Online Security	Streaming TV	Streaming Music
9995-HOTOH		1		1	1	
9993-LHIEB	1	1		1		
9992-UJOEL	1	1				
9992-RRAMN	1	1	1			
9987-LUTYD	1	1		1		
9986-BONCE	1					
9985-MWVIX	1	1				
9979-RGMZT	1	1			1	
Total	6361	5517	2971	2019	2707	

29202

Total Servies

16.06M

Total Charges

3632

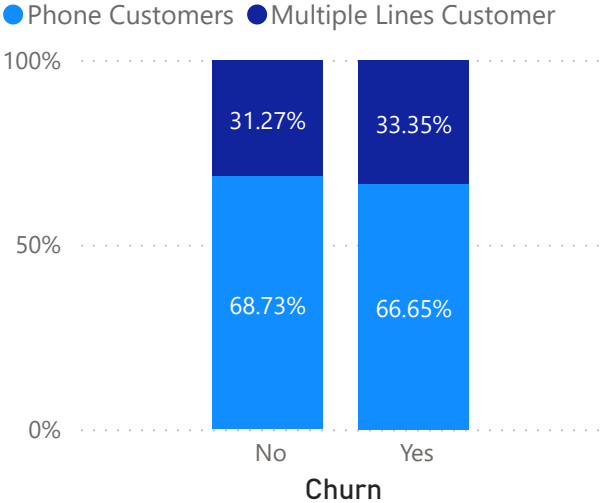
# Admin Tickets

2955

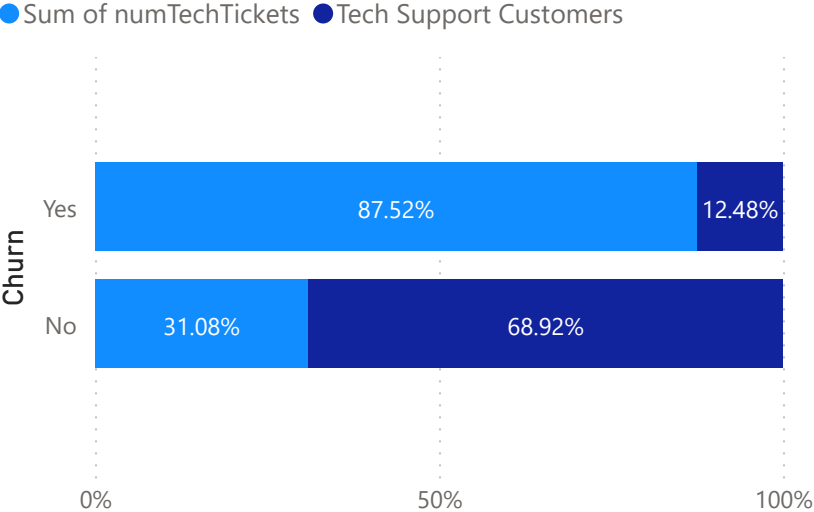
# Tech Tickets

# Services Information Analysis

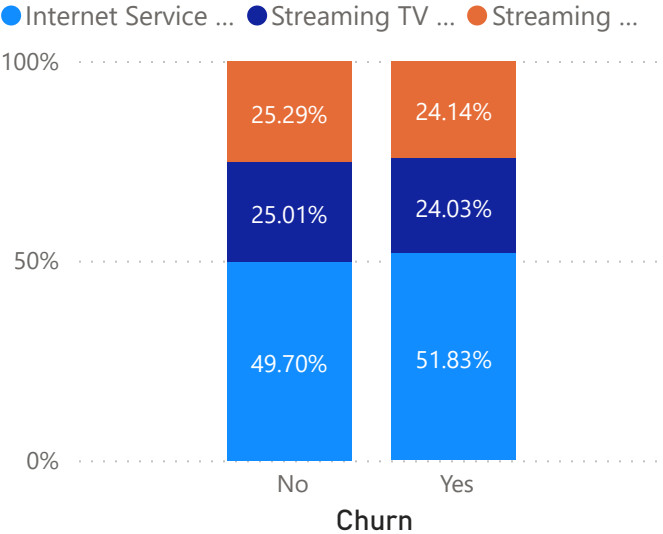
Phone Customers and Multiple Lines Customer by Churn



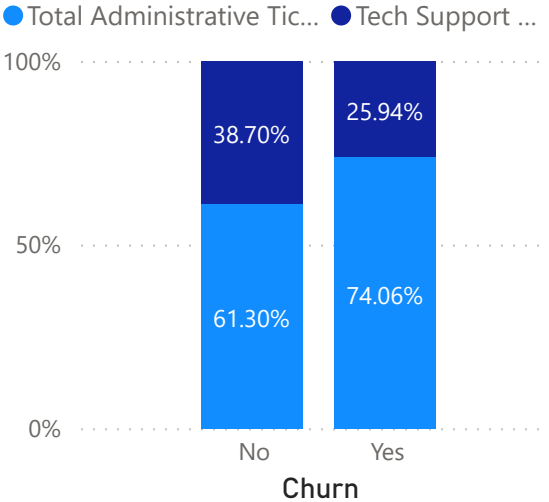
Chrunk by Number of Tech Tickets and Tech Support



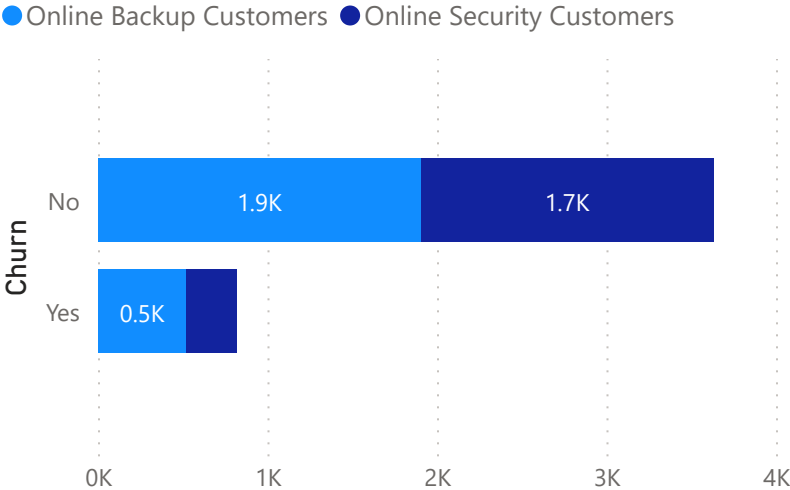
Churn by Internet Service, Streaming TV and Streaming Movies Customers



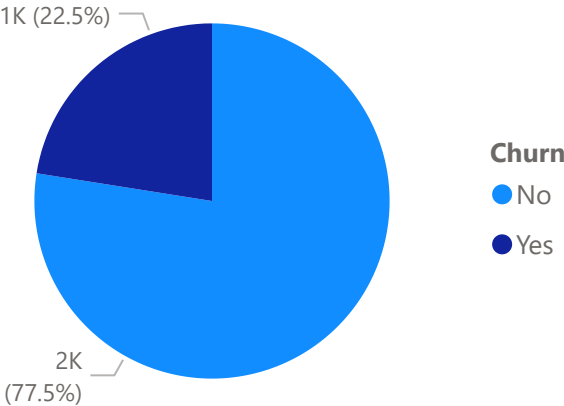
Churn by Num of Admin Tickets and Tech Support



Churn by Online Backup Customers and Online Security Customers

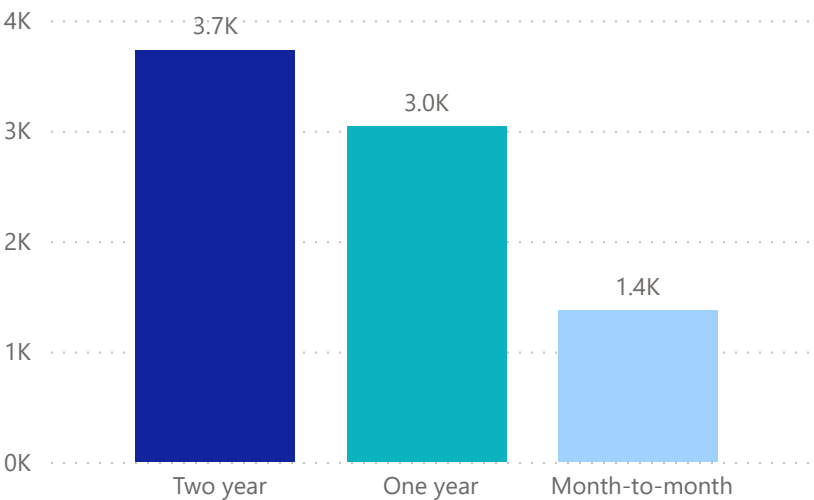


Churn Device Protection Customers

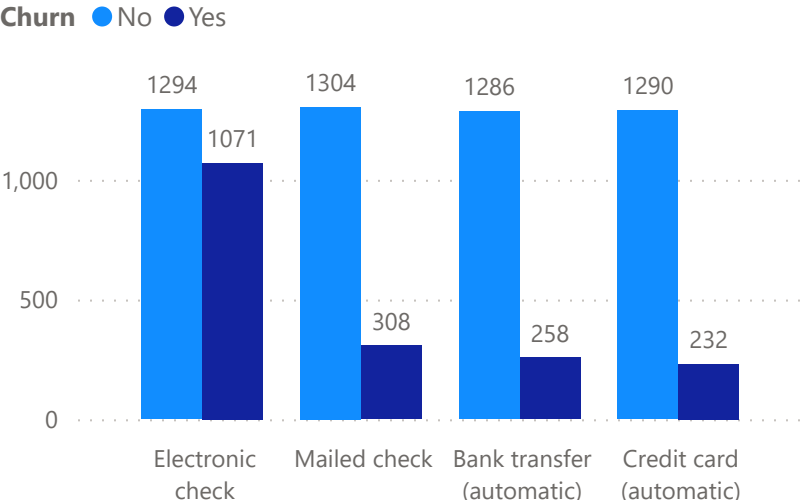


# Customer Account Overview

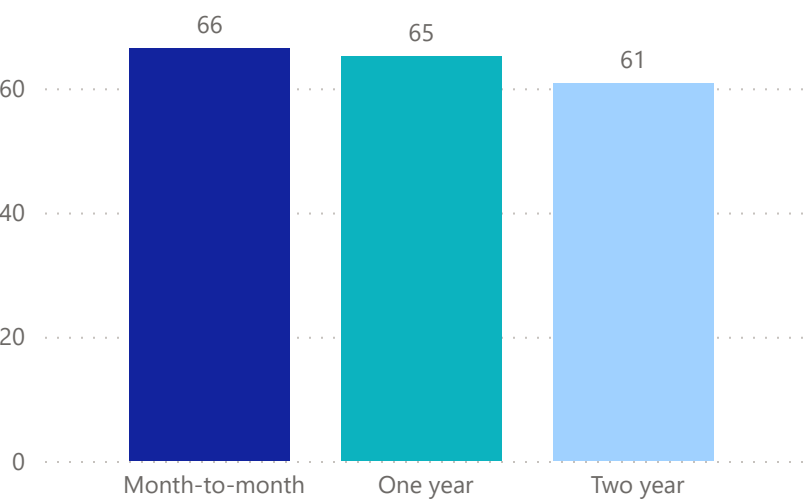
Average Total Charges by Contract Type



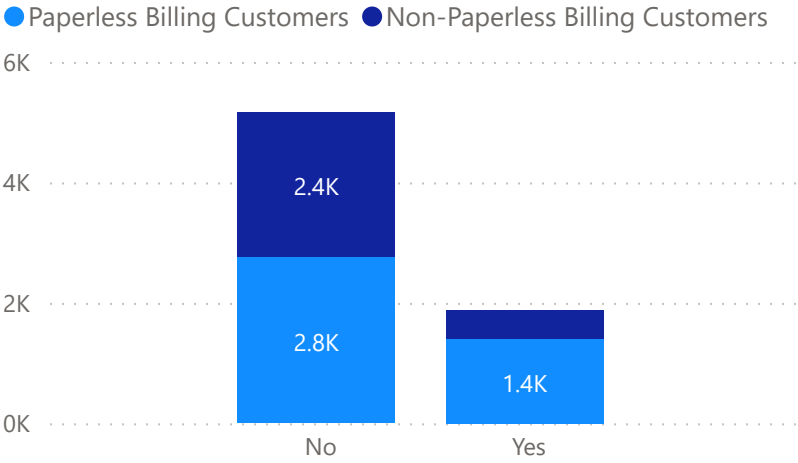
Churn by Payment Method



Average Monthly Charges by Contract Type



Churn by Paperless Billing Customers and Non-Paperless Billing Customers



Summary

- Key Points:
- Total Customers: 7,043
  - Churned Customers: 1,869
  - Churn Rate: 0.27

Firstly the demographics insights help us understand the characteristics of customers who have left. Customers with dependents are less likely to churn, as the majority (1,784) do not leave the company, while only 326 have churned. Customers with partners also exhibit a lower churn rate, with 2,700 remaining with the company compared to 700 who have churned. On average, customers who do not churn have a significantly longer tenure compared to those who churn. This indicates that longer-tenured customers are less likely to leave. These insights highlight the significance of customers' family and partner status, along with tenure, in influencing their churn behavior. Retention strategies may benefit from targeting and retaining customers with dependents, partners, and longer tenure.

Service Signup Table

The table displaying services that each customer has signed up for provides a comprehensive view of the range of services offered by the company. This information is crucial for understanding the preferences and needs of customers.

Payment Method Chart

The bar chart depicting the total number of customers by payment method reveals that "Electronic Check" stands out as the most popular payment method, with approximately 2,400 customers choosing this option. This highlights the importance of providing a seamless and secure electronic check payment process.

Churn by Contract Type

The pie chart showing churn by contract type offers a clear visualization of customer attrition based on contract types. It's apparent that contract types significantly impact churn behavior. Identifying which contracts have the highest churn rates guide efforts to enhance customer retention strategies.

Page 2

Page 2 of the report provides a comprehensive analysis of various services and their impact on customer churn. This section includes seven visualizations, each shedding light on a specific aspect of service usage and churn behavior. The analysis starts by examining the churn behavior of phone and multiple lines customers. Among phone customers 68.73% remain with the company (No churn) and 31.27% have churned (Yes churn). For multiple lines customers, 66.65% have not churned, while 33.35% have left. Understanding the impact of these services on churn helps in tailoring retention strategies. The next visualizations focus on the relationship between churn and the number of technical support tickets. This analysis allows for insights into how technical support influences customer retention. In the same way the rest of the the charts are made. This section offers a detailed exploration of how various services and support mechanisms correlate with customer churn. Understanding these patterns can guide the development of customer-focused strategies to enhance satisfaction and reduce churn.

Page 3

It focus on providing a comprehensive overview of customer accounts, including financial aspects and payment behaviors. Four key visualizations provide valuable insights into customer account management and its impact on churn. The first chart offers an analysis of average total charges based on contract type. It is evident that the "Two-Year" contract type has the highest average total charges, reaching 3.7k. Understanding these financial dynamics is crucial for pricing and marketing strategies. Another important aspect analyzed is average monthly charges based on contract types. "Month-to-Month" contracts have the highest average monthly charges, indicating a potentially different customer segment. By understanding these dynamics, these can guide decision-making regarding contract types, payment methods, and billing preferences to enhance customer satisfaction and reduce churn rates.