



Non-Pay Disconnect (NPD) Mitigation Strategy

Telecommunication Company focused on the U.S. Rural market

Analyzed the early indicative characteristics of NPD customers to enable proactive identification and implement effective treatment mechanism to enhance bill closure rate and reduce non-pay disconnects (NPDs)

Non-pay Disconnect (NPD) Mitigation Strategy for a Telecommunications Company

Situation

- The client lacked visibility into the drivers of the recent uptick in Non-Pay Disconnect customers (NPDs) resulting in an unchecked increase in losses due to non-payment of bills
- The existing treatment steps taken to address NPDs were reactive and manual leading to inefficiencies and increase in operational costs.
- Partnered with the client to identify early indicative characteristics of NPD customers to enable proactive identification and implement effective treatment mechanism to enhance bill closure rate and reduce non-pay disconnects (NPDs)

Accordion Value Add

- Analyzed the characteristics of NPD customers to track customer health and identified early behavioral and demographic indicators
- Recommended an optimized outbound communication strategy to target a high bill payment rate based on historical responsiveness to various modes of communication
- Developed an automated Tableau-based dashboard to monitor the health of customer payments and prompt early deviations in payments to initiate a proactive mitigation strategy

Impact

- Potential ~30% reduction in Non-Pay Disconnects through early identification of customers by monitoring and proactive initiation of mitigation tactics
- Identified opportunity for 5% increase in on-time bill payment compliance and 25% improvement in bill closure rate of customers with a bill over-due
- Identified ~\$8M potential annualized revenue uplift due to mitigation of Non-Pay disconnects

Methodology/ Approach



Leading behavioral characteristics of NPDs

- Analyzed the life-cycle of NPD customers to identify unifying characteristics and built an **indicative persona for potential NPDs**
- Enhanced the analysis to capture transaction/payment behavior of customers to **identify leading indicators of non-pay** in early lifecycle period of customers



Potential NPD customer identification

- Developed a Tableau dashboard to **monitor the health of customer payments in their early life cycle** on an ongoing basis, i.e., identify the critical period to address potential NPD customers
- Provided the **visibility into segments with high share of potential NPDs** based on acquisition channel and the key customer quality index (credit rating)
- Identified a list of prioritized customers with a high risk of becoming NPDs to **enable proactive initiation of mitigative measures**



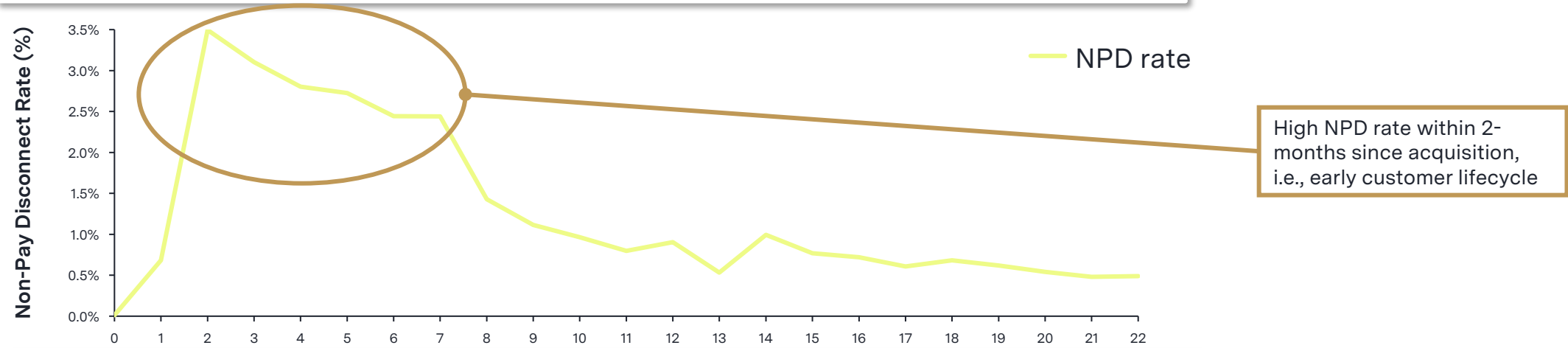
Communication strategy for NPD treatment

- Analyzed the outbound communications to **quantify the historical success rates for various modes of communication** (text and call)
- Analyzed the incremental bill payments based on the mode of communication to understand the **potential uplift in revenue** due to successful communication
- Recommended an **optimized outbound communication strategy to target a high bill payment rate** based on historical responsiveness to various modes of communication.

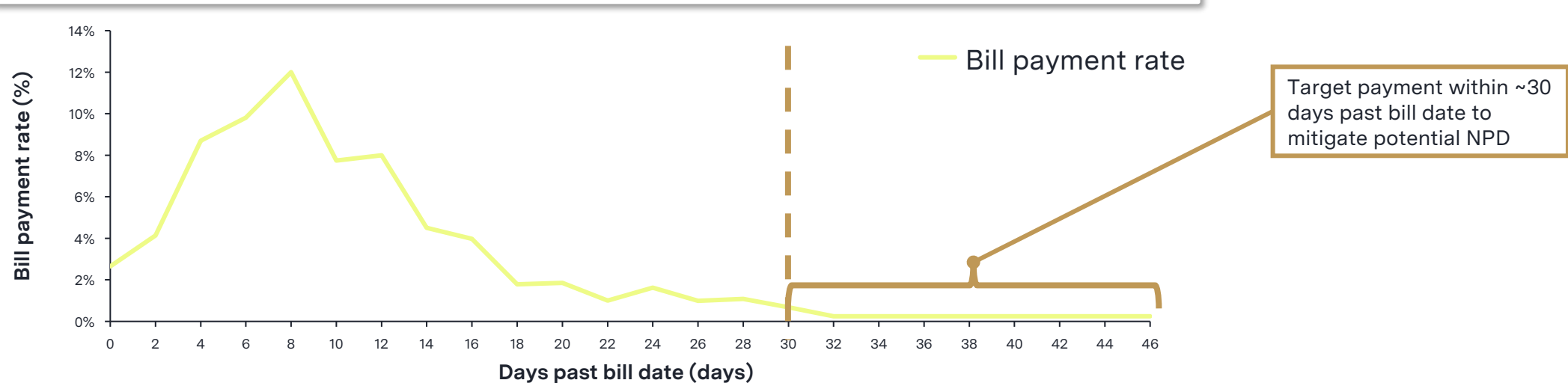
Critical Timeframe to Mitigate Potential Non-pay Disconnects (NPDs)

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NPD Rate over Months Since Acquisition

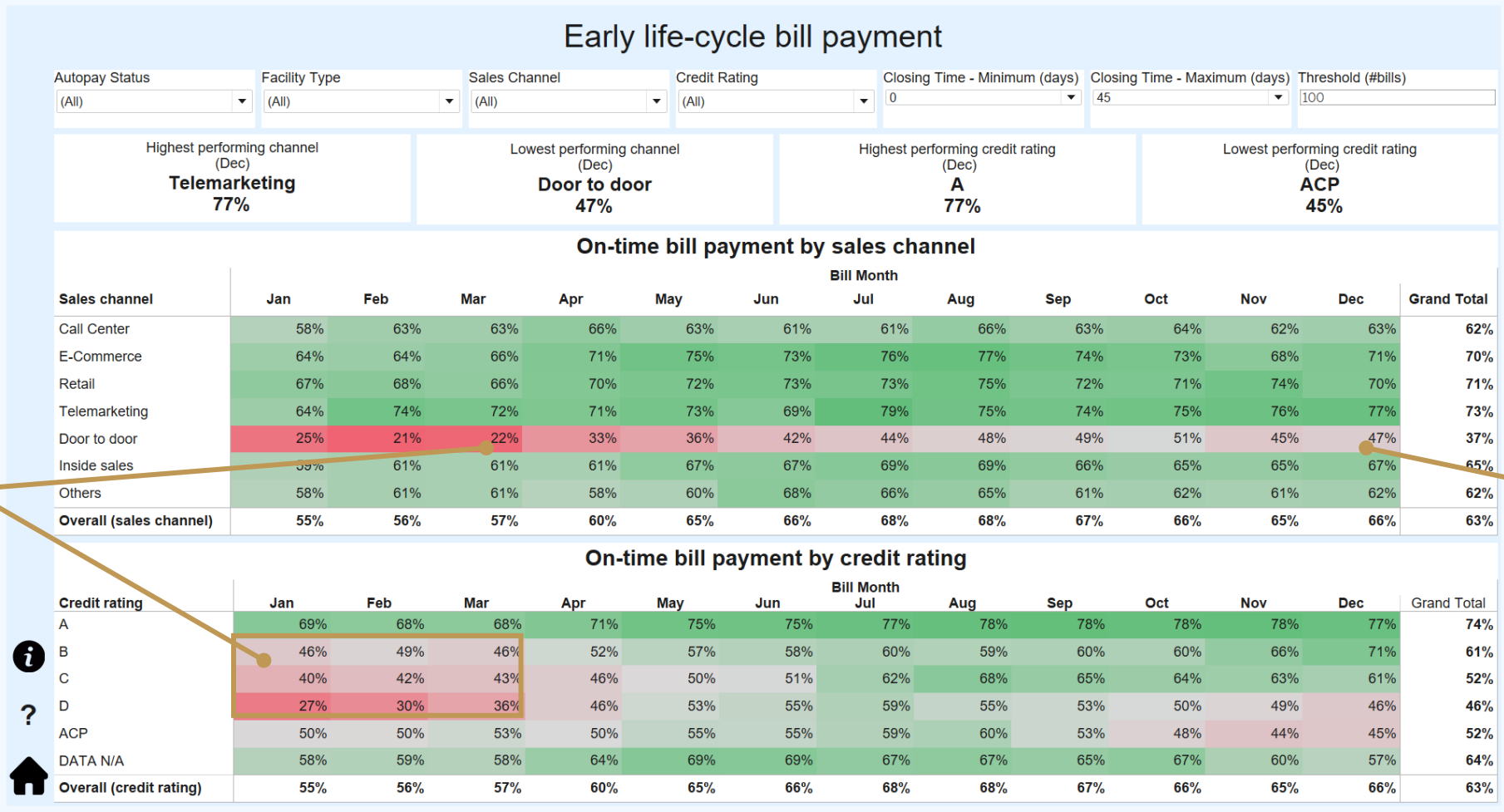


Bill Payment Rate over Days Past Bill Date



Monitor Early Life-cycle Payment Behavior of Customers

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Identified the area of concerns based on low on-time bill payments during early life-cycle

Initiated mitigation strategy and monitoring improvement s over time

Prioritized Customer List for Proactive NPD

Mitigative Measures

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Potential NPD customers based on early life-cycle

Bill Month	Customer Status	Days to Close Bucket	Autopay Status	Facility Type	Sales Channel	Credit Rating	
(All)	(All)	Not Closed in 45 days	(All)	(All)	(All)	(All)	↺
CUSTOMER ID	BILL MONTH	DAYS PAST BILL DATE	⚙	CREDIT RATING	SALES CHANNEL	AUTOPAY STATUS	
1795371190	Jun	71		B	Door to door	Never had Autopay	^
1795370926	Jun	71		Other	Door to door	Autopay is on	
1795370695	Jun	71		ACP	Inside sales	Never had Autopay	
1795370607	Jun	71		Other	Door to door	Autopay is off	
1795370552	Jun	71		C	Inside sales	Never had Autopay	
1795370310	Jun	71		ACP	Inside sales	Never had Autopay	
1795370200	Jun	71		Other	Door to door	Autopay is on	
1795370156	Jun	71		Other	Door to door	Autopay is off	
1795370112	Jun	71		Other	Door to door	Autopay is on	
1795370090	Jun	71		Other	Door to door	Autopay is on	
1795370068	Jun	71		ACP	Inside sales	Autopay is off	
1795369639	Jun	71		ACP	Door to door	Autopay is off	
1795368924	Jun	71		Other	Door to door	Autopay is on	
1795368704	Jun	71		Other	Door to door	Never had Autopay	
1795368616	Jun	71		Other	Door to door	Autopay is off	
1795368495	Jun	71		Other	Door to door	Autopay is off	
1795368440	Jun	71		Other	Door to door	Autopay is off	
1795368264	Jun	71		Other	Door to door	Autopay is off	
1795368253	Jun	71		Other	Door to door	Autopay is on	
1795368176	Jun	71		C	Inside sales	Autopay is off	
1795368110	Jun	71		Other	Door to door	Autopay is on	
1795367901	Jun	71		Other	Door to door	Autopay is off	
1795367857	Jun	71		D	Door to door	Autopay is off	
1795367835	Jun	71		Other	Door to door	Never had Autopay	
1795367824	Jun	71		A	Door to door	Never had Autopay	
1795367802	Jun	71		Other	Door to door	Autopay is on	
1795327344	Jun	71		A	Inside sales	Never had Autopay	
1795327135	Jun	71		A	Inside sales	Never had Autopay	
1795326706	Jun	71		D	Inside sales	Never had Autopay	
1795324726	Jun	71		ACP	Door to door	Autopay is off	
1795324627	Jun	71		D	Inside sales	Autopay is off	
1795324341	Jun	71		Other	Door to door	Never had Autopay	
1795324264	Jun	71		ACP	Inside sales	Never had Autopay	
1795324022	Jun	71		ACP	Inside sales	Never had Autopay	
1795323593	Jun	71		ACP	Inside sales	Never had Autopay	
1795321459	Jun	71		A	Inside sales	Never had Autopay	
1795321305	Jun	71		A	Inside sales	Never had Autopay	
1795321030	Jun	71		ACP	Inside sales	Never had Autopay	
1795320678	Jun	71		Other	Door to door	Autopay is off	
1795320645	Jun	71		D	Inside sales	Never had Autopay	
1795320579	Jun	71		Other	Door to door	Never had Autopay	▼

High priority customers to mitigate potential NPDs

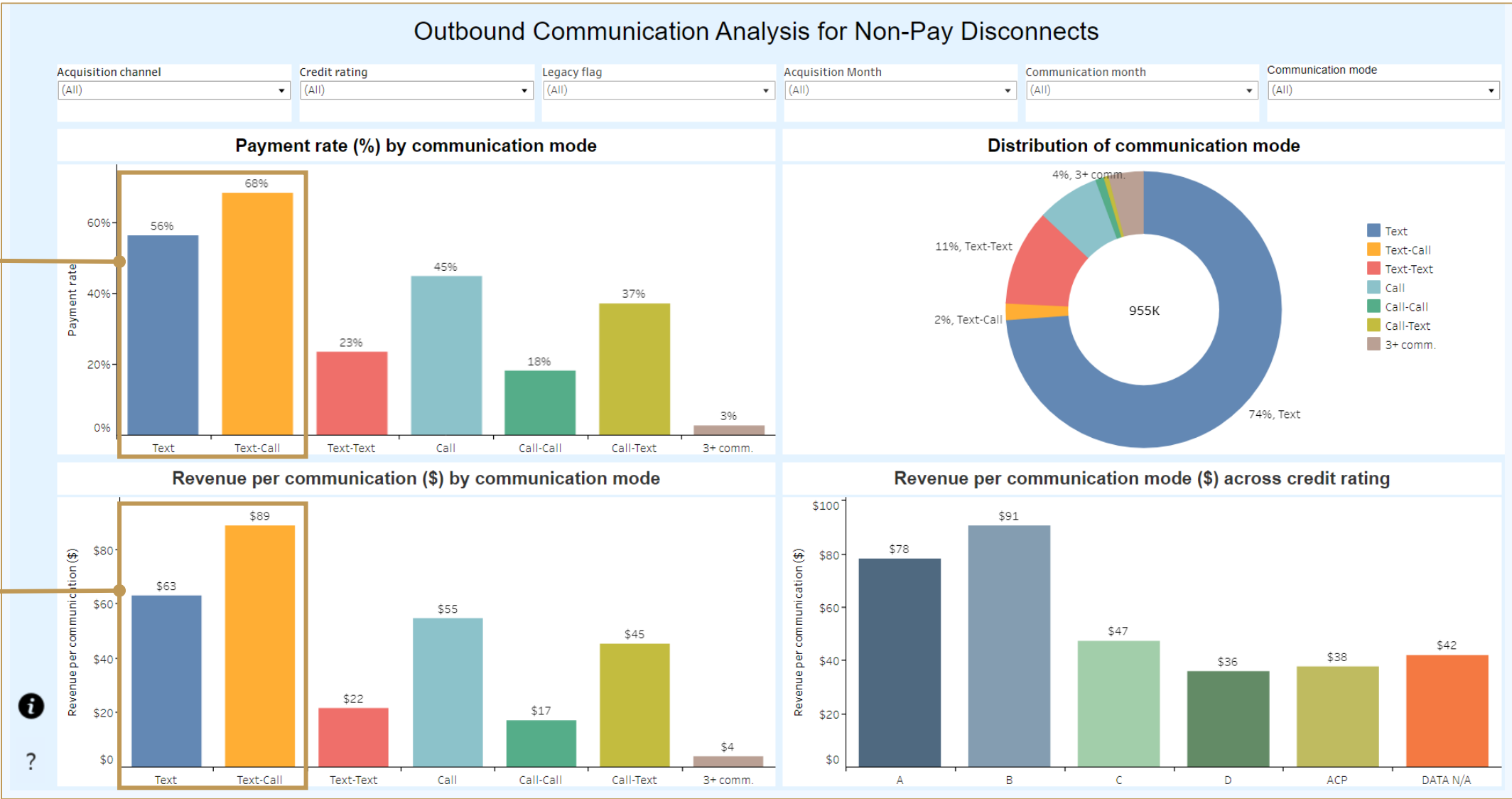


Identifying Effective Communication Modes for NPD Mitigation

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High Responsive mode of communications

High increment al bill payments



Optimized Communication Strategy Towards NPDs for High Bill Payment Rate

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