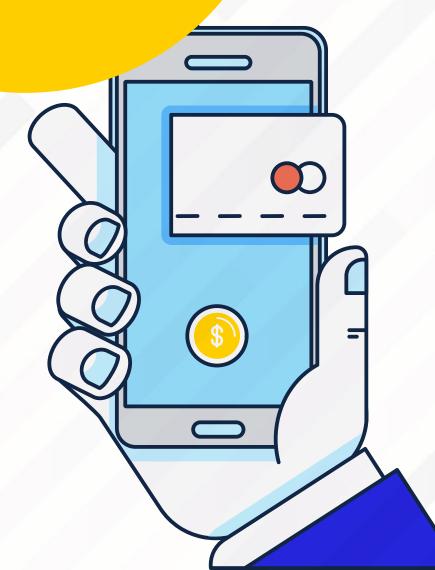
Digital Bill Payments: Mobile Wallets Gain Popularity, but Hurdles Remain, a PYMNTS and ACI Worldwide collaboration, is the second issue in a series exploring the present and future of digital payments. We surveyed 2,120 United States consumers between March 2 and March 7 to better understand their experiences with mobile wallet bill payment, including their preferences and frustrations, and what they hope to see next when it comes time to pay their bills.





■ JUNE 2023

DIGITAL BILL PAYMENTS:

MOBILE WALLETS GAIN POPULARITY, BUT HURDLES REMAIN

DIGITAL BILL PAYMENTS:

MOBILE WALLETS GAIN POPULARITY
BUT HURDLES REMAIN

PYMNTS[®]

//CI Worldwide

Digital Bill Payments: Mobile Wallets Gain Popularity, but Hurdles Remain was produced in collaboration with ACI Worldwide, and PYMNTS is grateful for the company's support and insight. **PYMNTS** retains full editorial control over the following findings, methodology and data analysis.

TABLE OF CONTENTS

| Introduction |
|---------------|
| Key findings |
| Conclusion |
| Methodology18 |

1 | Digital Bill Payments

INTRODUCTION

he word is out, and mobile wallets are moving into mainstream use. PYMNTS' research finds not only that 95% of mobile wallet users are aware of the bill pay features mobile wallets offer but also that there has been a 22% increase in consumers' use of mobile wallets for bill pay compared to six months ago. In fact, 23% of consumers have used mobile wallets to pay their bills on at least a weekly basis over the last year.

Consumers like mobile wallets for their ease of use and speed in making bill payments, but these tools are still not seamless. Seventy-one percent of consumers who used mobile wallets frequently reported at least one issue when making bill payments, and many consumers say they do not perceive mobile wallets as secure enough to earn their trust, with more than one-third of consumers who do not use mobile wallets to pay their bills saying this is due to concerns about security. If mobile wallet providers could convert these consumers, the gains could be tremendous — but these consumers must be assured that the hurdles are cleared before they proceed.

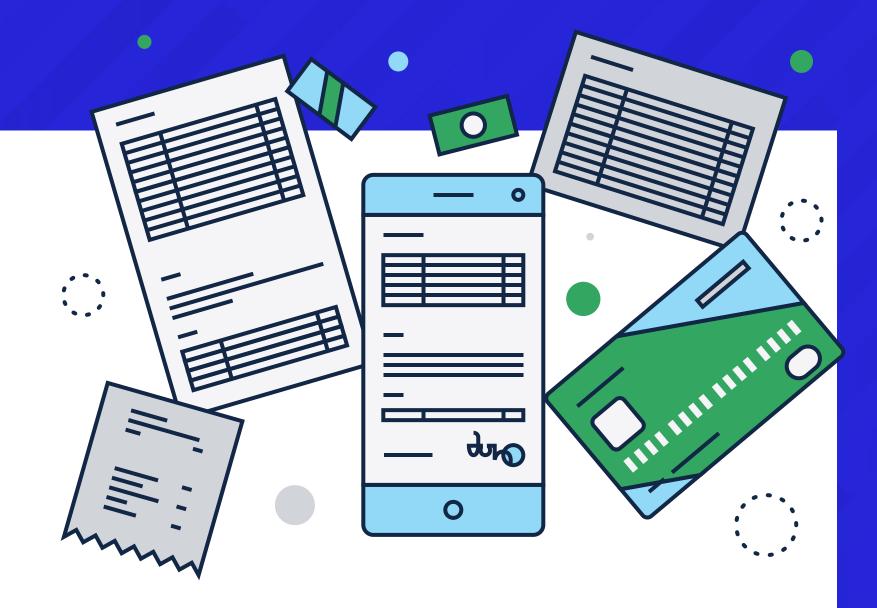
Digital Bill Payments: Mobile Wallets Gain Popularity, but Hurdles Remain, a PYMNTS and ACI Worldwide collaboration, is the second issue in a series exploring the present and future of digital payments. We surveyed 2,120 United States consumers between March 2 and March 7 to better understand their experiences with mobile wallet bill payment, including their preferences and frustrations, and what they hope to see next when it comes time to pay their bills.



MORE CONSUMERS ARE STARTING TO RELY ON MOBILE WALLETS FOR BILL PAY TO MANAGE THEIR TRANSACTIONS AND MAKE PAYMENTS QUICKLY.

n March 2023, 60% of consumers said they paid bills using a mobile wallet over the last 12 months. This is a 22% increase from the share of consumers who said the same in August 2022. Use of bill pay through mobile wallets increased across many demographics, but especially among high-income consumers. Use of mobile wallets for bill pay among more affluent consumers, who tend to be early adopters, increased from 55% to 68% during the same period.

Millennials, who tend to be comfortable using newer technologies, are the demographic most responsible for pushing mobile wallet bill pay use into the mainstream, with 79% of millennials having used bill pay via a mobile wallet in the last year and 38% of this demographic saying that they pay bills using mobile wallets at least once each week.



Key findings | 6 5 | Digital Bill Payments

FIGURE 1A:

The increasing popularity of mobile wallet bill pay

Share of consumers who used mobile wallets to pay bills in the last 12 months, by demographic

Q1 2023 Q3 2022

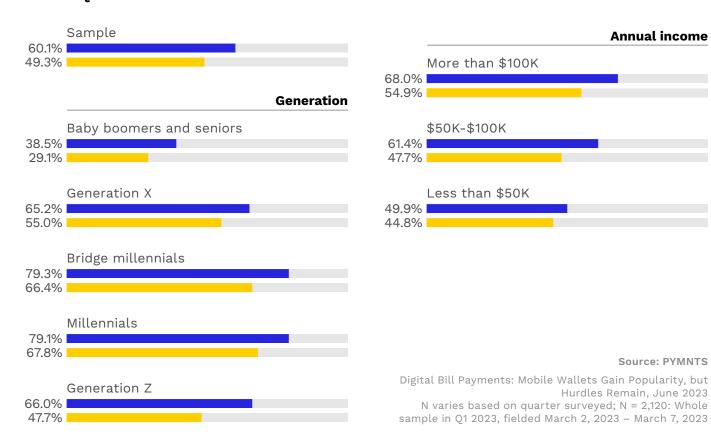
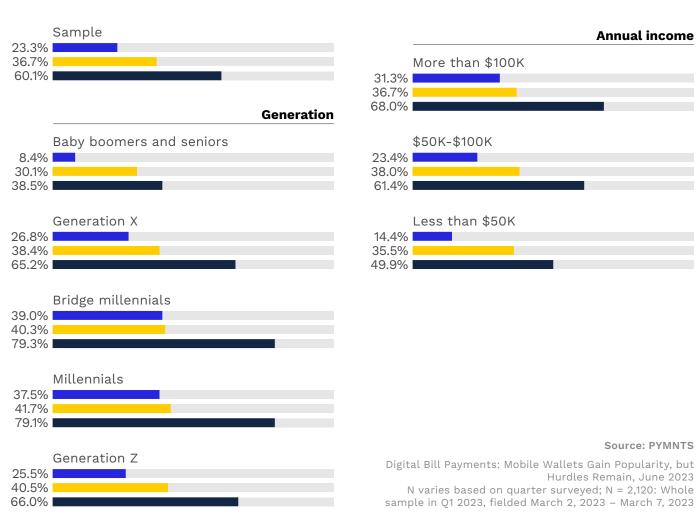


FIGURE 1B:

The increasing popularity of mobile wallet bill pay

Share of consumers citing select mobile wallet bill pay use frequencies in the last 12 months, by demographic





Hurdles Remain, June 2023 N varies based on quarter surveyed; N = 2,120: Whole

PYMNTS* **//CI** Worldwide

CONSUMERS LIKE THE SPEED AND CONVENIENCE MOBILE WALLET BILL PAY PROVIDES, ESPECIALLY THE ABILITY TO MAKE INSTANT PAYMENTS ON THE DATES BILLS ARE DUE. PAYMENT SPEED IS A PRIMARY MOTIVATOR FOR MOBILE WALLET USE FOR MANY CONSUMERS.

YMNTS' research found that consumers are generally very concerned about making bill payments quickly, making this a major source of interest in mobile wallets. Thirty-nine percent of consumers said that the ability to make payments instantly is an important reason for paying bills using a mobile wallet. Thirty-six percent of consumers cite speed-related reasons as their primary motivator for using mobile wallets for bill payment. Few alternatives offer the speed mobile wallets provide: Bank transfers can take up to three days, but mobile payments go through the day they are submitted.

39%

Share of consumers who say the ability to make payments instantly is an important reason to pay using a mobile wallet

9 | Digital Bill Payments

FIGURE 2:

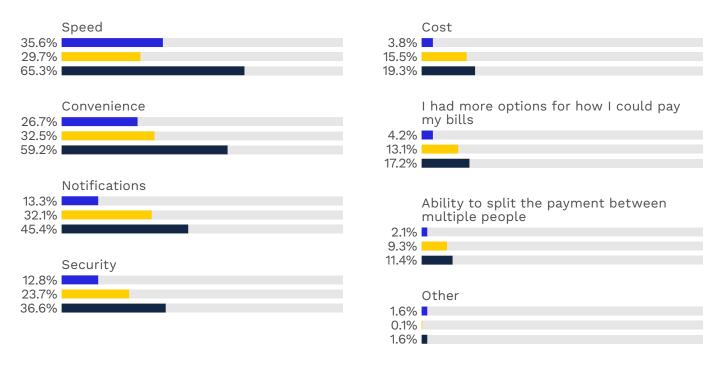
Reasons for using mobile wallet bill pay

Share of consumers citing select reasons for having used a mobile wallet to pay a bill in the last 12 months, by importance

■ Most important

Selected but not most important

■ Total



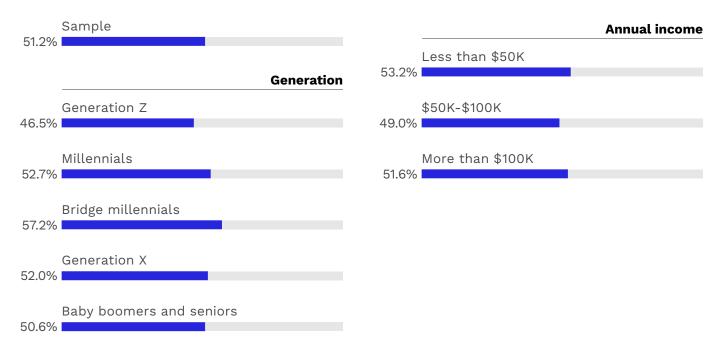
Source: PYMNTS

Digital Bill Payments: Mobile Wallets Gain Popularity, but Hurdles Remain, June 2023 N = 1,264: Consumers who have used a mobile wallet for bill pay in the last 12 months, fielded March 2, 2023 – March 7, 2023

PYMNTS also learned that consumers want to use the bill pay features built into their mobile wallets to pay bills on their due dates, allowing those who may not have funds until the last minute to make payments on time. Our research found that 51% of digital wallet bill pay users used this feature to submit a payment on the bill's due date, making it the most popular way of utilizing bill pay on a mobile wallet. We found that this feature is most popular among bridge millennials, with 57% of this age group having used it.

Mobile wallets and the need for speed

Share of bill pay users who paid bills on their due date, by demographic



Source: PYMNTS

Digital Bill Payments: Mobile Wallets Gain Popularity, but Hurdles Remain, June 2023 N = 1,264: Consumers who have used a mobile wallet for bill pay in the last 12 months, fielded March 2, 2023 – March 7, 2023

11 | Digital Bill Payments Key findings | 1

CONCERNS AROUND PAYMENT SECURITY AND FUNCTIONALITY ARE ON THE RISE, BUT COMPLAINTS RELATED TO PROCESSING SPEED HAVE DROPPED BY ALMOST HALF.

onsumers appear willing to tolerate frictions and even some security concerns to access the faster bill payment speeds that mobile wallets provide. Our data shows that 37% of consumers who use mobile wallets to pay bills report that they experienced operational issues, and 22% had security concerns. Common operational issues include the inability to view all bills in one place or dispute a charge, both of which were complaints 9% of consumers expressed, or the inability to receive alerts about unusual activity, which 8% of consumers experienced.

Payment-related issues were a concern for 32% of consumers. The most frequently cited issues were limited payment options and the inability to make instant payments, each reported by 11% of consumers. These obstacles contribute to consumers' hesitance to use mobile wallets for bill payments.

Just 8.6% of consumers reported issues related to transaction speed in March 2023, compared to 17% in August 2022; however, frequent users continue to experience a greater number of problems making payments. Seventy-one percent of those who frequently used mobile wallets for bill pay told us that they experienced at least one issue — a rate 21% higher than reported among all mobile wallet users.

Firms that can remove these frictions will likely retain more existing customers in addition to attracting new ones. Four in 10 consumers tried new digital wallet platforms in the past year, with a majority saying that ease of use and speed are the key reasons behind their choice. Of these consumers, 48% of those who switched mobile wallets said they switched because of ease of use, and 40% did so to save time.

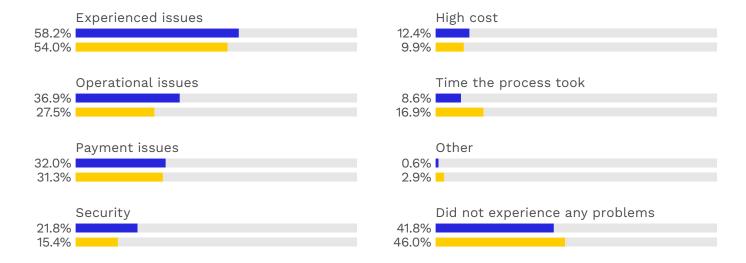
13 | Digital Bill Payments Key findings | 14

FIGURE 4:

Mobile wallet bill pay frictions

Share of bill pay users citing select challenges they experienced when paying bills via mobile wallet in the last 12 months, by demographic

Q1 2023 Q3 2022



Source: PYMNTS

Digital Bill Payments: Mobile Wallets Gain Popularity, but Hurdles Remain, June 2023 N = 1,264: Consumers who have used a mobile wallet for bill pay in the last 12 months in Q1 2023, fielded March 2, 2023 – March 7, 2023 **58%**

Share of bill pay
users surveyed in Q1
2023 who say they
experienced issues
when using mobile
wallets to pay their bills



15 | Digital Bill Payments Key findings | 16

MOBILE WALLET PROVIDERS THAT OFFER STRONG BILL PAY SECURITY FEATURES HAVE AN OPPORTUNITY TO APPEAL TO CONSUMERS WHO ARE WARY OF USING MOBILE WALLETS FOR PAYING BILLS. PAYMENT SPEED AND EASE OF USE MIGHT PUSH CONSUMERS TO SWITCH MOBILE WALLET PROVIDERS.

hirty-five percent of consumers who have not used a mobile wallet for bill pay cited security concerns as the main reason behind their choice. Concerns about keeping their personal information and money secure were their greatest concerns, followed by worries over secure authentication.

It is notable that 42% of consumers who are not interested in using mobile wallets to pay bills cited security concerns as the main reason for their lack of interest. These security-conscious consumers present an opportunity for mobile wallet providers that focus on security to expand their customer bases. Existing mobile wallet providers should work to educate consumers about the security features that are already in place.

FIGURE 5:

The impact of security concerns on mobile wallet use

Share of consumers who did not use mobile wallet pay bill over the last 12 months due to security concerns, by interest in mobile wallet bill pay use

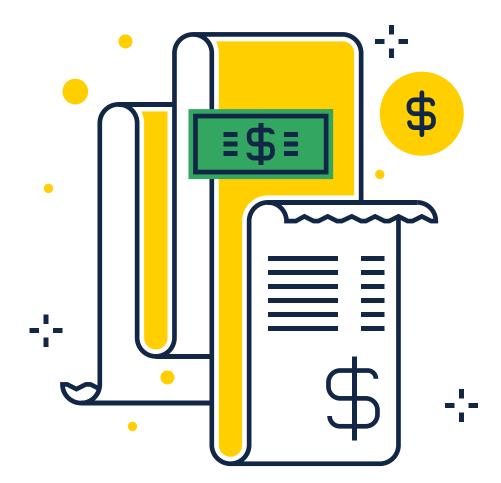


Source: PYMNTS

Digital Bill Payments: Mobile Wallets Gain Popularity, but Hurdles Remain, June 2023 N = 487: Consumers who have not used mobile wallets to pay bills in the last 12 months but are aware of this feature, fielded March 2, 2023 – March 7, 2023

CONCLUSION

o capture mobile wallet holdouts, providers must ensure that consumers feel these wallets are secure and operate without friction. One way to win these potential customers over is to highlight the security of digital wallets. This may persuade consumers to try these products, allowing them to experience the convenience firsthand. The good news is that most consumers already know that mobile wallets are an option and about their bill pay capabilities. The most important step to take now is to ensure that the experience of using them is as effortless and secure as possible.



METHODOLOGY

Digital Bill Payments: Mobile Wallets Gain Popularity, but Hurdles Remain, a PYMNTS and ACI Worldwide collaboration, examines and analyzes consumer experiences with digital bill payments. We surveyed 2,120 U.S. consumers between March 2 and March 7 about their experiences with and perceptions of using mobile wallets to pay bills. The sample was balanced to match the U.S. adult population in a set of key demographic variables. Our respondents' average age was 48, 51% were female and 37% earned more than \$100,000 annually.

PYMNTS°

PYMNTS is where the best minds and the best content meet on the web to learn about "What's Next" in payments and commerce. Our interactive platform is reinventing the way in which companies in payments share relevant information about the initiatives that shape the future of this dynamic sector and make news. Our data and analytics team includes economists, data scientists and industry analysts who work with companies to measure and quantify the innovation that is at the cutting edge of this new world.

//CI Worldwide

ACI Worldwide is a global leader in mission-critical, real-time payments software. Our proven, secure and scalable software solutions enable leading corporations, FinTechs and financial disruptors to process and manage digital payments, power omnicommerce payments, present and process bill payments, and manage fraud and risk. We combine our global footprint with a local presence to drive the real-time digital transformation of payments and commerce.

Digital Bill Payments: Mobile Wallets Gain Popularity, but Hurdles Remain may be updated periodically. While reasonable efforts are made to keep the content accurate and up to date, PYMNTS MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, REGARDING THE CORRECTNESS, ACCURACY, COMPLETENESS, ADEQUACY, OR RELIABILITY OF OR THE USE OF OR RESULTS THAT MAY BE GENERATED FROM THE USE OF THE INFORMATION OR THAT THE CONTENT WILL SATISFY YOUR REQUIREMENTS OR EXPECTATIONS. THE CONTENT IS PROVIDED "AS IS" AND ON AN "AS AVAILABLE" BASIS. YOU EXPRESSLY AGREE THAT YOUR USE OF THE CONTENT IS AT YOUR SOLE RISK. PYMNTS SHALL HAVE NO LIABILITY FOR ANY INTERRUPTIONS IN THE CONTENT THAT IS PROVIDED AND DISCLAIMS ALL WARRANTIES WITH REGARD TO THE CONTENT, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT AND TITLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF CERTAIN WARRANTIES, AND, IN SUCH CASES, THE STATED EXCLUSIONS DO NOT APPLY. PYMNTS RESERVES THE RIGHT AND SHOULD NOT BE LIABLE SHOULD IT EXERCISE ITS RIGHT TO MODIFY, INTERRUPT, OR DISCONTINUE THE AVAILABILITY OF THE CONTENT OR ANY COMPONENT OF IT WITH OR WITHOUT NOTICE.

PYMNTS SHALL NOT BE LIABLE FOR ANY DAMAGES WHATSOEVER, AND, IN PARTICULAR, SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, OR DAMAGES FOR LOST PROFITS, LOSS OF REVENUE, OR LOSS OF USE, ARISING OUT OF OR RELATED TO THE CONTENT, WHETHER SUCH DAMAGES ARISE IN CONTRACT, NEGLIGENCE, TORT, UNDER STATUTE, IN EQUITY, AT LAW, OR OTHERWISE, EVEN IF PYMNTS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

SOME JURISDICTIONS DO NOT ALLOW FOR THE LIMITATION OR EXCLUSION OF LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, AND IN SUCH CASES SOME OF THE ABOVE LIMITATIONS DO NOT APPLY. THE ABOVE DISCLAIMERS AND LIMITATIONS ARE PROVIDED BY PYMNTS AND ITS PARENTS, AFFILIATED AND RELATED COMPANIES, CONTRACTORS, AND SPONSORS, AND EACH OF ITS RESPECTIVE DIRECTORS, OFFICERS, MEMBERS, EMPLOYEES, AGENTS, CONTENT COMPONENT PROVIDERS, LICENSORS, AND ADVISERS.

Components of the content original to and the compilation produced by PYMNTS is the property of PYMNTS and cannot be reproduced without its prior written permission.