

2022 Diary of Consumer Payment Choice Tables

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Table 1
Ownership of Accounts and Adoption of Account Access Technologies
 Percentage of consumers

	2015	2016	2017	2018	2019	2020	2021	2022
Bank deposit accounts*	91.8	92.1	92.3	91.0	91.8	93.3	94.5	94.2
Checking.....	91.1	90.7	90.8	89.9	90.4	92.5	93.2	93.0
Savings.....	73.3	71.9	73.4	70.6	72.4	75.2	73.6	74.7
Online payment accounts	48.8	43.3	44.9	47.5	54.1	61.4	66.4	66.0
PayPal.....	42.9	40.0	41.1	43.3	37.6	42.2	41.8	36.4
Zelle.....	—	—	—	—	11.3	17.0	22.1	22.4
Venmo.....	—	—	—	—	15.2	23.9	28.6	28.6
Other nonbank payment services†.....	14.9	11.9	13.4	17.2	25.6	30.3	32.4	35.0
Deposit account access technologies	73.2	74.9	78.3	78.2	78.4	82.5	81.6	82.5
Online banking.....	71.4	72.2	75.6	75.3	75.2	78.5	76.7	76.5
Mobile banking.....	45.0	44.1	51.5	55.5	59.0	64.2	66.2	68.0
Conditional on being a bank account adopter:								
In the past 12 months, did you pay any of the following kinds of fees on your primary bank account?								
ATM fees for withdrawing cash.....	—	—	—	—	—	—	18.6	17.8
Overdraft fees.....	—	—	—	—	—	—	11.2	9.0
Low balance fees.....	—	—	—	—	—	—	2.3	2.1
Bounced check fees.....	—	—	—	—	—	—	1.1	1.0
Too-many-transactions fees.....	—	—	—	—	—	—	0.9	0.8
Teller fees.....	—	—	—	—	—	—	0.7	0.8
I did not pay any fees.....	—	—	—	—	—	—	72.6	75.1

* "Bank" is defined as any institution that accepts deposits and offers checking accounts or savings accounts, including regular or internet-based commercial banks, credit unions, and savings and loans. Some checking accounts pay interest on deposits and may be called money market checking accounts.

† In 2021, this includes Cash App, Apple Pay, Google Pay, Samsung Pay, and "Other"

Table 2**What is the most important reason why you don't have a checking account?**

Percents, conditional on not having a bank account

	2015	2016	2017	2018	2019	2020	2021	2022
I don't write enough checks to make it worthwhile.....	16.0	25.3	24.3	23.7	22.0	23.7	28.2	27.7
The minimum balance is too high.....	3.9	6.4	5.0	5.5	6.8	5.2	8.8	3.6
I don't like dealing with banks.....	28.6	26.3	22.9	31.9	33.1	33.2	34.9	33.5
The fees and service charges are too high.....	16.7	10.8	10.4	13.0	9.5	11.0	7.0	12.5
No bank has convenient hours or location.....	0.3	1.6	5.4	0.5	2.2	—	4.9	3.3
No bank will give me a checking account.....	18.6	6.4	2.1	12.5	9.2	7.0	4.2	10.9
Other.....	15.9	23.2	29.8	12.9	17.1	19.9	12.1	8.5

Table 3
Adoption of Payment Instruments
 Percentage of consumers

	2015	2016	2017	2018	2019	2020	2021	2022
Paper instruments.....	100.0	100.0	100.0	99.6	99.4	99.2	98.1	97.7
Cash.....	99.7	99.8	99.8	98.3	98.5	98.6	—	—
2020-21 definition change.....	—	—	—	—	—	90.9	94.8	94.2
Check.....	82.2	77.5	78.1	78.1	75.5	77.3	76.0	76.6
Money order.....	20.2	26.9	19.0	19.1	17.7	14.8	—	—
2020-21 definition change.....	—	—	—	—	—	6.2	6.4	5.6
Payment cards.....	96.9	97.2	96.6	96.9	96.6	97.4	97.7	98.2
Debit.....	80.8	81.1	81.4	82.5	82.3	84.7	87.1	87.2
Credit.....	76.9	75.0	76.6	75.5	75.5	79.4	76.3	79.3
Prepaid.....	60.8	54.3	52.2	56.7	52.1	55.9	63.9	61.8
Electronic payments.....	78.0	77.2	77.7	79.8	77.8	81.0	—	—
2020-21 definition change.....	—	—	—	—	—	64.1	65.0	65.1
Online banking bill payment.....	49.6	47.9	50.7	50.8	48.4	47.2	—	—
2020-21 definition change.....	—	—	—	—	—	49.8	50.6	51.7
Bank account number payment.....	66.0	63.9	62.7	70.3	67.3	73.0	—	—
2020-21 definition change.....	—	—	—	—	—	36.6	38.5	39.9
Cryptocurrency.....	0.6	0.4	0.7	2.0	1.7	4.0	9.1	9.6
Mobile phone or tablet payments.....	25.3	22.1	34.4	34.7	37.5	46.1	68.4	63.1

* For 2021, adoption of payment instrument is defined as follows. Prior years were defined differently for some payment instruments.

a. For cash, adoption means the consumer used cash in the last 30 days, held it on person, held it on property, or obtained it at least once during their diary period.

b. For checks, debit cards, credit cards, prepaid cards, and cryptocurrency, adoption means that the consumer has or owns the payment method.

c. For money order, bank account number payment, and online banking bill payment, adoption means the consumer used the payment method in the last 30 days.

d. Adoption of mobile phone or tablet payments are defined as making at least one payment on a mobile phone or tablet in the past 12 months.

Table 4
Use of Credit Card Debt
 Credit card adopters

Percentage	2015	2016	2017	2018	2019	2020	2021	2022
Carried unpaid balance at any time during the past 12 months	59.0	57.3	54.5	52.0	52.6	51.3	45.7	45.3
Carried unpaid balance last month	53.3	50.9	46.2	44.4	46.9	40.7	41.6	42.1
Rewards cards.....	—	—	—	—	—	79.5	83.0	85.0
Change in unpaid balance since a year ago:*								
Much lower.....	18.4	15.4	17.6	19.4	16.7	26.1	14.3	14.9
Lower.....	22.1	25.5	23.3	22.3	23.9	25.7	26.8	22.9
About the same.....	24.6	28.3	24.5	26.6	27.0	21.5	24.7	26.1
Higher.....	26.8	15.3	20.3	19.4	18.9	13.6	19.5	18.8
Much higher.....	8.1	8.5	8.0	7.9	7.9	8.7	10.2	12.2
Did not have balance 12 months ago.....	—	7.1	6.2	4.4	5.6	4.4	4.5	5.1
Number of credit cards, conditional on having a credit card								
One card.....	—	—	—	—	—	—	26.4	24.7
Two cards.....	—	—	—	—	—	—	25.0	24.4
Three cards.....	—	—	—	—	—	—	17.5	18.5
Four cards.....	—	—	—	—	—	—	10.5	10.8
Five cards.....	—	—	—	—	—	—	7.5	7.3
Six or more cards.....	—	—	—	—	—	—	13.1	14.3
Conditional on being a credit card adopter:								
In the past 12 months, did you pay any of the following kinds of fees on your primary credit card?								
Annual fee.....	—	—	—	—	—	—	18.6	17.2
Late payment fee.....	—	—	—	—	—	—	5.8	6.4
Balance transfer fee.....	—	—	—	—	—	—	2.7	3.1
Cash advance fee.....	—	—	—	—	—	—	2.0	2.2
Foreign transaction fee.....	—	—	—	—	—	—	1.8	2.4
Over-limit fee (also known as overdraft fee).....	—	—	—	—	—	—	1.2	1.4
I did not pay any fees.....	—	—	—	—	—	—	73.5	73.2
Dollar values								
Mean credit card balance unpaid, previous month, all adopters.....	2,840	2,832	2,342	2,478	2,768	1,984	2,213	2,510
Per adopter with unpaid balance.....	4,816	4,951	4,306	4,773	5,273	3,881	4,848	5,539
Median credit card balance unpaid, previous month, all adopters.....	186	93	0	0	0	0	0	0
Per adopter with unpaid balance.....	1,492	1,912	1,484	1,397	1,488	1,022	1,900	2,700

* This question is asked to all credit card adopters who indicated that they carried an unpaid balance at some point in the past 12 months.

Notes: The em-dash notation (—) indicates that the estimate is not available, often because the related survey question was not asked in the associated year.
 Dollar values are not adjusted for inflation.

Table 5**Share of Consumers Using Payment Instruments**

Percentage of consumers, payment instrument use in the last 30 days

	2020	2021	2022
Paper instruments.....	89.2	90.0	89.6
Cash.....	81.5	84.6	83.0
Check.....	49.9	46.0	45.7
Money order.....	6.2	6.4	5.6
Payment cards.....	92.6	92.3	92.8
Debit.....	67.0	67.0	66.7
Credit or charge.....	65.0	66.6	68.6
Prepaid.....	20.3	21.5	19.7
Electronic payments.....	64.1	65.0	65.1
Online banking bill payment.....	49.8	50.6	51.7
Bank account number payment.....	36.6	38.5	39.9

Table 6
Number and Dollar Value of Payments by Type of Payment Instrument

Average number and value per consumer, October

	Number per consumer								Dollar value per consumer							
	2015	2016	2017	2018	2019	2020	2021	2022	2015	2016	2017	2018	2019	2020	2021	2022
All payments	51.4	45.9	41.0	43.3	38.7	34.8	35.8	38.8	3600	3916	3419	3999	4237	4393	4827	5029
Paper instruments	20.4	17.6	15.1	13.7	11.9	8.8	8.6	8.3	1108	1168	928	929	963	1192	907	844
Cash.....	17.1	14.1	12.4	11.2	10.0	6.5	7.0	6.8	381	304	290	237	266	270	312	238
Check.....	3.1	3.3	2.5	2.4	1.8	2.3	1.5	1.5	685	832	606	629	686	890	549	556
Money order.....	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	41	32	32	63	11	32	46	49
Payment cards	25.7	22.0	20.4	23.2	21.7	19.9	21.4	24.3	1308	1058	1062	1245	1303	1269	1688	1767
Debit.....	15.2	12.4	10.9	12.2	11.8	9.8	10.5	11.3	686	549	511	640	665	516	811	742
Credit or charge.....	9.4	8.3	8.8	10.0	9.2	9.4	10.1	12.1	583	473	532	554	611	718	844	992
Prepaid/Gift/EBT.....	1.2	1.2	0.8	1.1	0.7	0.8	0.8	0.8	40	35	19	51	27	35	33	32
Electronic payments	4.2	4.4	3.8	4.7	4.1	4.2	4.6	4.9	1085	1303	1055	1431	1696	1476	1915	2163
Bank account number payment.....	1.8	2.1	2.2	2.4	2.4	2.3	2.4	2.7	406	633	631	637	1003	787	969	1133
Online banking bill payment.....	2.4	2.3	1.7	2.3	1.7	1.9	2.2	2.2	679	671	424	794	693	689	946	1029
Other	1.1	2.0	1.7	1.6	1.0	1.8	1.2	1.4	99	386	374	394	274	456	317	256
Mobile payment app†.....	0.2	0.3	0.1	0.1	0.1	0.9	0.2	0.2	21	17	2	3	4	82	36	17
Account to acct transfer.....	0.2	0.4	0.3	0.5	0.3	0.3	0.4	0.3	42	167	231	275	151	240	181	126
Income deduction.....	0.1	0.3	0.2	0.2	0.2	0.2	0.3	0.5	13	38	44	42	76	95	59	69
Other*.....	0.5	0.8	1.0	0.8	0.5	0.4	0.3	0.3	11	137	90	68	43	39	42	45
Percentage share																
All payments	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paper instruments	39.7	38.3	36.7	31.6	30.7	25.3	24.1	21.4	30.8	29.8	27.1	23.2	22.7	27.1	18.8	16.8
Cash.....	33.3	30.8	30.3	25.9	25.8	18.6	19.4	17.4	10.6	7.8	8.5	5.9	6.3	6.1	6.5	4.7
Check.....	6.0	7.3	6.2	5.5	4.7	6.5	4.3	3.8	19.0	21.3	17.7	15.7	16.2	20.3	11.4	11.1
Money order.....	0.4	0.2	0.3	0.3	0.2	0.2	0.4	0.1	1.2	0.8	0.9	1.6	0.3	0.7	1.0	1.0
Payment cards	50.0	47.9	49.7	53.7	56.1	57.3	59.8	62.5	36.3	27.0	31.1	31.1	30.8	28.9	35.0	35.1
Debit.....	29.5	27.1	26.5	28.1	30.5	28.2	29.3	29.2	19.0	14.0	15.0	16.0	15.7	11.7	16.8	14.8
Credit or charge.....	18.3	18.2	21.4	23.1	23.9	26.9	28.3	31.3	16.2	12.1	15.6	13.9	14.4	16.3	17.5	19.7
Prepaid/Gift/EBT.....	2.3	2.6	1.8	2.5	1.7	2.2	2.1	2.1	1.1	0.9	0.5	1.3	0.6	0.8	0.7	0.6
Electronic payments	8.2	9.5	9.3	10.9	10.5	12.1	12.9	12.6	30.1	33.3	30.9	35.8	40.0	33.6	39.7	43.0
Bank account number payment.....	3.5	4.6	5.3	5.6	6.2	6.7	6.8	6.9	11.3	16.2	18.4	15.9	23.7	17.9	20.1	22.5
Online banking bill payment.....	4.7	5.0	4.0	5.3	4.3	5.4	6.0	5.6	18.9	17.1	12.4	19.9	16.4	15.7	19.6	20.5
Other	2.1	4.3	4.3	3.8	2.6	5.3	3.3	3.5	2.7	9.9	10.9	9.8	6.5	10.4	6.6	5.1
Mobile payment app†.....	0.3	0.7	0.2	0.2	0.1	2.5	0.6	0.6	0.6	0.4	0.1	0.1	0.1	1.9	0.7	0.3
Account to acct transfer.....	0.4	0.8	0.8	1.1	0.8	0.9	1.0	0.9	1.2	4.3	6.8	6.9	3.6	5.5	3.7	2.5
Income deduction.....	0.2	0.6	0.6	0.5	0.5	0.6	0.9	1.3	0.4	1.0	1.3	1.1	1.8	2.2	1.2	1.4
Other*.....	0.9	1.8	2.4	1.9	1.2	1.3	0.8	0.8	0.3	3.5	2.6	1.7	1.0	0.9	0.9	0.9

† Formerly known as PayPal, now includes Zelle and Venmo among others. Estimates only represent payments made with money stored in the respective app.

* The term "Other" includes the following payment methods: multiple payment methods for one payment, unreported payment methods, and other responses that could not be recategorized into one of the existing payment instrument categories.

Table 7
Average Transaction Value of Payments by Type of Payment Instrument

Average dollar value per transaction, October

	2015	2016	2017	2018	2019	2020	2021	2022
All payments	70.0	85.3	83.3	92.4	109.6	126.4	134.8	129.6
Paper instruments	54.3	66.5	61.6	67.8	81.0	135.7	105.1	101.7
Cash.....	22.3	21.5	23.4	21.2	26.7	41.8	44.9	35.2
Check.....	223.3	248.8	238.1	266.0	376.0	391.7	355.1	376.2
Money order.....	193.9	370.9	275.1	446.2	132.5	614.9	340.2	854.7
Payment cards	50.9	48.1	52.1	53.6	60.1	63.8	78.9	72.8
Debit.....	45.2	44.2	47.0	52.6	56.4	52.7	77.4	65.6
Credit or charge.....	62.1	56.7	60.7	55.4	66.2	76.7	83.1	81.8
Prepaid/Gift/EBT.....	34.0	29.3	24.8	47.7	40.7	46.4	42.9	39.3
Electronic payments	258.7	297.9	276.4	303.4	416.5	349.8	415.5	443.9
Bank account number payment.....	228.5	302.8	292.3	260.5	419.3	337.5	396.6	422.0
Online banking bill payment.....	280.9	293.4	255.7	349.4	412.5	365.0	436.9	470.8
Other	90.1	195.4	213.6	241.0	270.0	246.7	271.0	187.8
Mobile payment app†	134.7	54.5	26.8	38.3	71.0	93.5	181.4	71.4
Account to acct transfer.....	196.7	457.5	678.8	576.6	486.5	791.0	496.7	380.6
Income deduction.....	124.9	135.3	182.5	199.1	438.0	420.3	176.0	140.3
Other*.....	24.4	170.2	89.4	83.3	90.3	88.6	152.0	146.5

† Formerly known as PayPal, now includes Zelle and Venmo among others. Estimates only represent payments made with money stored in the respective app.

* The term "Other" includes the following payment methods: multiple payment methods for one payment, unreported payment methods, and other responses that could not be recategorized into one of the existing payment instrument categories.

Table 8
Number and Dollar Value of Payments by Location

Average number and value per consumer. All payments, October 2022*

	Number per consumer			Dollar value per consumer			Average amount per transaction		
	Total	In-person	Remote	Total	In-person	Remote	Total	In-person	Remote
All payments	38.8	26.2	12.6	5029.1	1766.7	3260.4	129.6	67.5	258.8
Paper instruments	8.3	7.4	0.9	843.7	593.6	250.2	101.7	80.1	280.5
Cash.....	6.8	6.6	0.2	238.1	230.1	8.1	35.2	34.9	45.5
Check.....	1.5	0.8	0.7	556.3	327.6	228.7	376.2	412.7	333.9
Money order.....	0.1	0.0	0.0	49.2	35.9	13.3	854.7	1254.2	460.2
Payment cards	24.3	17.9	6.4	1766.7	977.3	788.1	72.8	54.6	124.0
Debit.....	11.3	8.4	2.9	742.3	392.1	349.8	65.6	46.8	119.5
Credit or charge.....	12.1	8.8	3.3	992.4	563.8	427.8	81.8	63.8	130.1
Prepaid/Gift/EBT.....	0.8	0.7	0.1	32.0	21.4	10.6	39.3	31.6	77.1
Electronic payments	4.9	0.3	4.5	2162.5	131.0	2030.7	443.9	403.0	446.7
Bank account number payment	2.7	0.2	2.5	1133.5	85.7	1047.8	422.0	396.5	424.3
Online banking bill payment..	2.2	0.1	2.1	1029.1	45.3	982.9	470.8	415.9	473.4
Other	1.4	0.6	0.8	256.2	64.8	191.4	187.8	115.7	238.0
Mobile payment app†.....	0.2	0.1	0.1	16.9	5.8	11.1	71.4	64.1	75.9
Account to acct transfer.....	0.3	0.0	0.3	125.5	25.4	100.1	380.6	560.3	351.9
Income deduction.....	0.5	0.3	0.2	68.8	23.4	45.4	140.3	83.6	215.9
Other‡.....	0.3	0.1	0.2	45.0	10.2	34.8	146.5	70.7	213.3
Percentage share									
All payments	—	—	—	—	—	—	—	—	—
Paper instruments	21.4	28.3	7.1	16.8	33.6	7.7	—	—	—
Cash.....	17.4	25.1	1.4	4.7	13.0	0.2	—	—	—
Check.....	3.8	3.0	5.4	11.1	18.5	7.0	—	—	—
Money order.....	0.1	0.1	0.2	1.0	2.0	0.4	—	—	—
Payment cards	62.5	68.3	50.4	35.1	55.3	24.2	—	—	—
Debit.....	29.2	32.0	23.2	14.8	22.2	10.7	—	—	—
Credit or charge.....	31.3	33.7	26.1	19.7	31.9	13.1	—	—	—
Prepaid/Gift/EBT.....	2.1	2.6	1.1	0.6	1.2	0.3	—	—	—
Electronic payments	12.6	1.2	36.1	43.0	7.4	62.3	—	—	—
Bank account number payment	6.9	0.8	19.6	22.5	4.9	32.1	—	—	—
Online banking bill payment..	5.6	0.4	16.5	20.5	2.6	30.1	—	—	—
Other	3.5	2.1	6.4	5.1	3.7	5.9	—	—	—
Mobile payment app†.....	0.6	0.3	1.2	0.3	0.3	0.3	—	—	—
Account to acct transfer.....	0.9	0.2	2.3	2.5	1.4	3.1	—	—	—
Income deduction.....	1.3	1.1	1.7	1.4	1.3	1.4	—	—	—
Other‡.....	0.8	0.5	1.3	0.9	0.6	1.1	—	—	—

* The values in the "In-person" and "Remote" columns may not always add up to the value in the "Total" column due to missing values in the "location" variable.

† Formerly known as PayPal, now includes Zelle and Venmo among others. Estimates only represent payments made with money stored in the respective app.

‡ The term "Other" includes the following payment methods: multiple payment methods for one payment, unreported payment methods, and other responses that could not be recategorized into one of the existing payment instrument categories.

Table 9a**Purchases by Type of Payment Instrument**

Average number and value per consumer; average value per transaction, October 2022*, †

	Number (#)	Value (\$)	
		per consumer	per transaction
All purchases	30.8	1990.2	64.7
Paper instruments	7.0	375.3	53.4
Cash.....	6.4	165.2	25.7
Check.....	0.6	178.8	300.5
Money order.....	0.0	31.3	3203.6
Payment cards	21.8	1223.2	56.0
Debit.....	9.9	446.8	45.1
Credit or charge.....	11.1	751.7	67.6
Prepaid/Gift/EBT.....	0.8	24.7	31.1
Electronic payments	1.0	291.7	295.8
Bank account number payment.....	0.8	187.4	240.3
Online banking bill payment.....	0.2	104.3	505.7
Other	0.9	100.0	106.2
Mobile payment app††.....	0.2	13.5	63.2
Account to acct transfer.....	0.1	33.5	238.2
Income deduction.....	0.4	34.3	83.9
Other‡.....	0.2	18.7	104.4

* The term "purchases" includes person-to-person transactions and asset transfers.

† The numbers in Tables 3 and 4 do not add up exactly to the numbers in Table 1 due to a small number of missing values of the variable that classifies purchases and bills.

‡ The term "Other" includes the following payment methods: multiple payment methods for one payment, unreported payment methods, and other responses that could not be recategorized into one of the existing payment instrument categories.

†† Formerly known as PayPal, now includes Zelle and Venmo. Estimates only represent payments made with money stored in the respective app.

Table 9b
Purchases by Type of Payment Instrument

Percentage share of number and value per consumer, October 2022*, †

	Number (#)	Value (\$)	
		per consumer	per transaction
All purchases	—	—	—
Paper instruments	22.8	18.9	—
Cash.....	20.9	8.3	—
Check.....	1.9	9.0	—
Money order.....	0.0	1.6	—
Payment cards	70.9	61.5	—
Debit.....	32.2	22.5	—
Credit or charge.....	36.1	37.8	—
Prepaid/Gift/EBT.....	2.6	1.2	—
Electronic payments	3.2	14.7	—
Bank account number payment.....	2.5	9.4	—
Online banking bill payment.....	0.7	5.2	—
Other	3.1	5.0	—
Mobile payment app††.....	0.7	0.7	—
Account to acct transfer.....	0.5	1.7	—
Income deduction.....	1.3	1.7	—
Other‡.....	0.6	0.9	—

* The term "purchases" includes person-to-person transactions and asset transfers.

† The numbers in Tables 3 and 4 do not add up exactly to the numbers in Table 1 due to a small number of missing values of the variable that classifies purchases and bills.

‡ The term "Other" includes the following payment methods: multiple payment methods for one payment, unreported payment methods, and other responses that could not be recategorized into one of the existing payment instrument categories.

†† Formerly known as PayPal, now includes Zelle and Venmo. Estimates only represent payments made with money stored in the respective app.

Table 10
Number and Dollar Value of Purchases by Location

Average number and value per consumer. Non-bill, day-to-day purchases only. October 2022*

	Number per consumer			Dollar value per consumer			Average amount per transaction		
	Total	In-person	Remote	Total	In-person	Remote	Total	In-person	Remote
All payments	30.8	25.0	5.8	1990.2	1310.8	679.4	64.7	52.5	116.6
Paper instruments	7.0	6.8	0.3	375.3	333.6	41.7	53.4	49.4	151.9
Cash.....	6.4	6.3	0.2	165.2	158.3	6.9	25.7	25.2	45.8
Check.....	0.6	0.5	0.1	178.8	143.9	34.8	300.5	305.9	280.1
Money order.....	0.0	0.0	0.0	31.3	31.3	0.0	3203.6	3238.1	47.1
Payment cards	21.8	17.5	4.3	1223.2	883.1	340.1	56.0	50.4	79.1
Debit.....	9.9	8.2	1.8	446.8	346.7	100.2	45.1	42.5	57.1
Credit or charge.....	11.1	8.7	2.4	751.7	515.6	236.1	67.6	59.3	97.5
Prepaid/Gift/EBT.....	0.8	0.7	0.1	24.7	20.8	3.8	31.1	31.0	31.8
Electronic payments	1.0	0.2	0.8	291.7	61.7	230.0	295.8	372.2	280.4
Bank account number paymen	0.8	0.2	0.6	187.4	59.2	128.2	240.3	375.7	206.0
Online banking bill payment..	0.2	0.0	0.2	104.3	2.5	101.8	505.7	305.2	513.9
Other	0.9	0.5	0.4	100.0	32.4	67.6	106.2	64.2	154.7
Mobile payment app†.....	0.2	0.1	0.1	13.5	2.6	10.8	63.2	30.4	85.8
Account to acctn transfer.....	0.1	0.0	0.1	33.5	8.5	25.0	238.2	327.5	218.0
Income deduction.....	0.4	0.3	0.1	34.3	13.8	20.5	83.9	52.5	140.0
Other‡.....	0.2	0.1	0.0	18.7	7.5	11.3	104.4	57.6	225.8
Percentage share									
All payments	—	—	—	—	—	—	—	—	—
Paper instruments	22.8	27.1	4.7	18.9	25.5	6.1	—	—	—
Cash.....	20.9	25.1	2.6	8.3	12.1	1.0	—	—	—
Check.....	1.9	1.9	2.1	9.0	11.0	5.1	—	—	—
Money order.....	0.0	0.0	0.0	1.6	2.4	0.0	—	—	—
Payment cards	70.9	70.3	73.7	61.5	67.4	50.1	—	—	—
Debit.....	32.2	32.7	30.1	22.5	26.4	14.7	—	—	—
Credit or charge.....	36.1	34.8	41.5	37.8	39.3	34.8	—	—	—
Prepaid/Gift/EBT.....	2.6	2.7	2.1	1.2	1.6	0.6	—	—	—
Electronic payments	3.2	0.7	14.1	14.7	4.7	33.9	—	—	—
Bank account number paymen	2.5	0.6	10.7	9.4	4.5	18.9	—	—	—
Online banking bill payment..	0.7	0.0	3.4	5.2	0.2	15.0	—	—	—
Other	3.1	2.0	7.5	5.0	2.5	10.0	—	—	—
Mobile payment app†.....	0.7	0.3	2.2	0.7	0.2	1.6	—	—	—
Account to acctn transfer.....	0.5	0.1	2.0	1.7	0.6	3.7	—	—	—
Income deduction.....	1.3	1.1	2.5	1.7	1.1	3.0	—	—	—
Other‡.....	0.6	0.5	0.9	0.9	0.6	1.7	—	—	—

* The values in the "In-person" and "Remote" columns may not always add up to the value in the "Total" column due to missing values in the "location" variable.

† Formerly known as PayPal, now includes Zelle and Venmo among others. Estimates only represent payments made with money stored in the respective app.

‡ The term "Other" includes the following payment methods: multiple payment methods for one payment, unreported payment methods, and other responses that could not be recategorized into one of the existing payment instrument categories.

Table 11

Bill Payments by Type of Payment Instrument

Average number and value per consumer; average value per transaction, October 2022

	Number (#)	Value (\$)	
		per consumer	per transaction
All bill payments	8.0	3038.9	379.5
Paper instruments	1.3	468.4	368.6
Cash.....	0.3	72.9	214.8
Check.....	0.9	377.5	427.4
Money order.....	0.0	17.9	374.6
Payment cards	2.4	543.4	223.7
Debit.....	1.4	295.5	212.0
Credit or charge.....	1.0	240.6	237.7
Prepaid/Gift/EBT.....	0.0	7.3	323.6
Electronic payments	3.9	1870.9	481.5
Bank account number payment.....	1.9	946.1	496.4
Online banking bill payment.....	2.0	924.8	467.2
Other	0.4	156.2	369.7
Mobile payment app†	0.0	3.5	142.3
Account to acct transfer.....	0.2	92.0	486.6
Income deduction.....	0.1	34.5	422.5
Other*.....	0.1	26.2	205.9

Percentage share

All bill payments	—	—	—
Paper instruments	15.9	15.4	—
Cash.....	4.2	2.4	—
Check.....	11.0	12.4	—
Money order.....	0.6	0.6	—
Payment cards	30.3	17.9	—
Debit.....	17.4	9.7	—
Credit or charge.....	12.6	7.9	—
Prepaid/Gift/EBT.....	0.3	0.2	—
Electronic payments	48.5	61.6	—
Bank account number payment.....	23.8	31.1	—
Online banking bill payment.....	24.7	30.4	—
Other	5.3	5.1	—
Mobile payment app†	0.3	0.1	—
Account to acct transfer.....	2.4	3.0	—
Income deduction.....	1.0	1.1	—
Other*.....	1.6	0.9	—

† Formerly known as PayPal, now includes Zelle and Venmo. Estimates only represent payments made with money stored in the respective app.

* The term "Other" includes the following payment methods: multiple payment methods for one payment, unreported payment methods, and other responses that could not be recategorized into one of the existing payment instrument categories.

Table 12

Number and Dollar Value of Bill Payments by Location

Average number and value per consumer. Bills only. October 2022*

	Number per consumer			Dollar value per consumer			Average amount per transaction		
	Total	In-person	Remote	Total	In-person	Remote	Total	In-person	Remote
All payments	8.0	1.2	6.8	3038.9	455.9	2581.0	379.5	370.2	381.4
Paper instruments	1.3	0.7	0.6	468.4	259.9	208.5	368.6	397.8	337.8
Cash.....	0.3	0.3	0.0	72.9	71.7	1.2	214.8	229.9	43.8
Check.....	0.9	0.3	0.6	377.5	183.6	193.9	427.4	569.1	345.9
Money order.....	0.0	0.0	0.0	17.9	4.6	13.3	374.6	242.0	461.7
Payment cards	2.4	0.4	2.1	543.4	94.2	448.0	223.7	259.3	217.8
Debit.....	1.4	0.2	1.2	295.5	45.4	249.6	212.0	206.1	212.9
Credit or charge.....	1.0	0.1	0.9	240.6	48.2	191.7	237.7	353.0	220.9
Prepaid/Gift/EBT.....	0.0	0.0	0.0	7.3	0.6	6.7	323.6	92.0	419.2
Electronic payments	3.9	0.2	3.7	1870.9	69.3	1800.7	481.5	435.0	483.3
Bank account number paymen	1.9	0.1	1.8	946.1	26.5	919.6	496.4	452.7	497.7
Online banking bill payment..	2.0	0.1	1.9	924.8	42.8	881.1	467.2	424.7	469.2
Other	0.4	0.1	0.4	156.2	32.4	123.8	369.7	585.3	337.2
Mobile payment app†.....	0.0	0.0	0.0	3.5	3.2	0.3	142.3	798.9	14.4
Account to acct transfer.....	0.2	0.0	0.2	92.0	16.9	75.1	486.6	872.1	442.5
Income deduction.....	0.1	0.0	0.1	34.5	9.6	24.9	422.5	537.5	390.2
Other‡.....	0.1	0.0	0.1	26.2	2.7	23.5	205.9	191.1	207.7
Percentage share									
All payments	—	—	—	—	—	—	—	—	—
Paper instruments	15.9	53.1	9.1	15.4	57.0	8.1	—	—	—
Cash.....	4.2	25.3	0.4	2.4	15.7	0.0	—	—	—
Check.....	11.0	26.2	8.3	12.4	40.3	7.5	—	—	—
Money order.....	0.6	1.5	0.4	0.6	1.0	0.5	—	—	—
Payment cards	30.3	29.5	30.4	17.9	20.7	17.4	—	—	—
Debit.....	17.4	17.9	17.3	9.7	10.0	9.7	—	—	—
Credit or charge.....	12.6	11.1	12.8	7.9	10.6	7.4	—	—	—
Prepaid/Gift/EBT.....	0.3	0.5	0.2	0.2	0.1	0.3	—	—	—
Electronic payments	48.5	12.9	55.1	61.6	15.2	69.8	—	—	—
Bank account number paymen	23.8	4.8	27.3	31.1	5.8	35.6	—	—	—
Online banking bill payment..	24.7	8.2	27.8	30.4	9.4	34.1	—	—	—
Other	5.3	4.5	5.4	5.1	7.1	4.8	—	—	—
Mobile payment app†.....	0.3	0.3	0.3	0.1	0.7	0.0	—	—	—
Account to acct transfer.....	2.4	1.6	2.5	3.0	3.7	2.9	—	—	—
Income deduction.....	1.0	1.5	0.9	1.1	2.1	1.0	—	—	—
Other‡.....	1.6	1.1	1.7	0.9	0.6	0.9	—	—	—

* The values in the "In-person" and "Remote" columns may not always add up to the value in the "Total" column due to missing values in the "location" variable.

† Formerly known as PayPal, now includes Zelle and Venmo among others. Estimates only represent payments made with money stored in the respective app.

‡ The term "Other" includes the following payment methods: multiple payment methods for one payment, unreported payment methods, and other responses that could not be recategorized into one of the existing payment instrument categories.

Table 13
Number and Dollar Value of Payments by Merchant Type
Average number and value per consumer, October 2022

	Number per consumer	Dollar value per consumer
All payments*	38.9	5036.5
Grocery stores, convenience stores, pharmacies	7.2	348.8
Gas stations	3.6	133.1
Sit-down restaurants and bars	2.8	127.5
Fast food, coffee shops, cafeterias, food trucks	5.5	98.5
Stores, including online shopping	5.9	512.1
Services ¹	1.0	133.7
Arts, entertainment, recreation	0.9	62.6
Utilities ²	1.4	182.4
Communications ³	1.6	156.5
Rent	0.4	384.3
Financial ⁴	3.3	2017.3
Medical ⁵	0.8	122.3
Education ⁶	0.4	87.4
Charitable or religious donations	0.7	73.2
A person ⁷	1.6	238.7
Other, or unspecified by respondent	1.7	358.2
Percentage share		
All payments	—	—
Grocery stores, convenience stores, pharmacies	18.6	6.9
Gas stations	9.3	2.6
Sit-down restaurants and bars	7.1	2.5
Fast food, coffee shops, cafeterias, food trucks	14.1	2.0
Stores, including online shopping	15.3	10.2
Services ¹	2.5	2.7
Arts, entertainment, recreation	2.3	1.2
Utilities ²	3.6	3.6
Communications ³	4.1	3.1
Rent	1.2	7.6
Financial ⁴	8.6	40.1
Medical ⁵	2.0	2.4
Education ⁶	1.1	1.7
Charitable or religious donations	1.8	1.5
A person ⁷	4.1	4.7
Other, or unspecified by respondent	4.4	7.1

* Total numbers are different than the sum of the merchant types due to missing merchant types for a small number of payments

¹ Hair dressers, auto repair, parking lots, laundry or dry cleaning, etc.

² Electricity, natural gas, water, sewer, trash, heating oil, etc.

³ Telephone, internet, cable or satellite tv, streaming services, movie theaters, etc.

⁴ Mortgages, credit card bills, banks, insurance, stock brokers, IRA, mutual funds, credit unions, remittances, etc.

⁵ Hospital, doctor, dentist, nursing homes, etc.

⁶ Schools, colleges, childcare centers, etc.

⁷ Gift or repayment to a family member, friend, or co-worker; payment to somebody who did a small job for you, etc.

Table 14**Cash Holdings—On Person**

Dollar value per consumer, October

	2015	2016	2017	2018	2019	2020	2021	2022
All bills - Average	50.9	57.2	58.9	57.5	60.1	76.3	68.5	72.9
All bills - Median	23.0	24.0	25.0	25.0	24.0	28.0	21.0	22.0
Conditional - Average*	78.0	77.0	79.0	82.5	84.8	106.5	96.5	102.4
Conditional - Median*	38.5	36.3	40.0	40.0	39.7	50.0	45.0	50.0
\$1.....	2.6	2.6	2.6	2.4	2.3	2.6	2.5	2.5
\$2.....	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1
\$5.....	3.3	4.0	4.0	4.1	3.8	3.8	3.8	3.6
\$10.....	4.6	5.3	5.5	5.3	6.1	4.9	4.9	5.1
\$20.....	27.2	28.1	29.2	27.7	28.6	36.9	30.1	32.7
\$50.....	2.8	5.6	4.6	3.9	4.6	7.2	6.9	5.9
\$100.....	10.4	11.5	13.0	14.1	14.7	21.1	20.2	23.0
Percentage shares by denomination								
All bills	—	—	—	—	—	—	—	—
\$1.....	5.0	4.6	4.4	4.2	3.9	3.4	3.6	3.5
\$2.....	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
\$5.....	6.5	6.9	6.7	7.2	6.4	5.0	5.5	5.0
\$10.....	9.0	9.3	9.3	9.1	10.1	6.4	7.1	7.0
\$20.....	53.4	49.1	49.6	48.1	47.5	48.2	43.9	44.8
\$50.....	5.6	9.8	7.8	6.9	7.6	9.4	10.1	8.1
\$100.....	20.4	20.2	22.1	24.5	24.5	27.5	29.5	31.5

* This term is conditional on the consumer having some cash on person.

Table 15**Cash Holdings—Cash Stored Elsewhere**

Average dollar value per consumer, October

	2015	2016	2017	2018	2019	2020	2021	2022
All bills - Average*	140.8	172.8	198.7	162.4	264.1	308.4	407.6	417.8
All bills - Median	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Conditional - Average[†]	447.5	657.4	542.4	609.4	954.5	906.5	1208.5	1181.3
Conditional - Median[†]	100.0	165.0	113.0	150.0	250.0	200.0	210.0	247.0
\$1.....	1.9	3.7	3.3	2.2	3.2	5.8	4.7	3.0
\$2.....	0.1	1.5	0.6	0.6	0.3	0.5	0.7	0.5
\$5.....	4.1	3.6	2.7	2.2	2.1	3.3	3.5	3.5
\$10.....	4.7	4.6	5.6	2.6	3.9	4.3	4.8	5.9
\$20.....	41.9	28.3	32.7	21.2	26.7	64.9	53.9	77.7
\$50.....	11.3	18.0	12.5	7.7	17.6	21.9	40.2	40.7
\$100.....	76.8	113.1	141.2	125.9	210.3	207.5	299.8	286.5
Percentage shares by denomination								
All bills	—	—	—	—	—	—	—	—
\$1.....	1.4	2.1	1.7	1.4	1.2	1.9	1.1	0.7
\$2.....	0.1	0.9	0.3	0.4	0.1	0.2	0.2	0.1
\$5.....	2.9	2.1	1.4	1.4	0.8	1.1	0.8	0.8
\$10.....	3.3	2.7	2.8	1.6	1.5	1.4	1.2	1.4
\$20.....	29.7	16.4	16.5	13.1	10.1	21.0	13.2	18.6
\$50.....	8.0	10.4	6.3	4.8	6.7	7.1	9.9	9.7
\$100.....	54.5	65.4	71.1	77.5	79.6	67.3	73.6	68.6

* This 2021 estimate differs from the estimate published in Cubides & O'Brien 2022 due to differences in both data cleaning and data sample. In this paper, the authors made the choice to remove from the calculations one observation with a value of over \$30M in stored cash. In their paper, Cubides & O'Brien removed all values in the top 0.1 percentile. Additionally, the Cubides & O'Brien paper uses the full sample of the 2021 DCPC, while this paper only uses the nationally representative sample.

† This statistic is conditional on a consumer having some cash stored elsewhere.

Table 16**Identity Theft, Loss, Theft, or Fraudulent Use of Payment Instruments**

Percentage of consumers or adopters and mean dollar value, in the past 12 months

Percentage of consumers	2015	2016	2017	2018	2019	2020	2021	2022
Incidence of identity theft.....	23.5	24.8	25.2	21.9	19.0	16.2	—	—
Myself and someone I know well.....	5.9	5.4	6.6	5.4	5.1	4.2	—	—
Someone I know well only.....	11.7	14.7	13.3	12.0	9.2	8.0	—	—
Myself only *.....	5.8	4.7	5.3	4.5	4.7	4.0	7.3	7.3
Financial distress in respondent's households								
Respondent or somebody else in household lost their primary job in the past 12 months.....	—	—	—	—	—	—	6.3	5.6
Declared bankruptcy in past 12 months.....	—	—	—	—	—	—	0.4	0.4
Mortgage foreclosure on primary home in past 12 months.....	—	—	—	—	—	—	0.2	0.2
Credit card account closed or frozen by the bank or card company in past 12 months.	—	—	—	—	—	—	2.9	3.3
Percentage of adopters								
Cash.....	9.2	7.6	5.0	6.5	6.1	3.8	—	—
Check.....	0.9	0.5	0.9	0.6	0.2	0.8	0.5	0.3
Credit card.....	5.7	4.2	5.2	4.5	5.0	3.5	10.8	10.3
Debit card.....	5.8	5.1	5.2	5.0	4.1	4.1	7.7	7.5

* In 2021, the question was changed to "In the past 12 months, have you been a victim of identity theft?" and did not ask about other people.

† The amount of fraudulent charges may not be the actual amount of the loss borne by consumers. Actual consumer loss depends on the policies of depository institutions and card network agreements.

Table 17
Assessments of Payment Instruments
Rankings*

	Cash	Check	Money order	Debit card	Credit card	Prepaid card	BANP†	OBBP
Acceptance								
2015.....	2	6	7	3	①	4	⑧	5
2016.....	2	6	7	3	①	4	⑧	5
2017.....	3	6	7	2	①	4	⑧	5
2018.....	2	6	7	3	①	4	⑧	5
2019.....	3	6	7	2	①	4	⑧	5
2020.....	3	6	7	2	①	4	⑧	5
2021.....	3	6	⑧	2	①	4	7	5
2022.....	3	6	⑧	2	①	4	7	5
Acquisition and setup								
2015.....	①	4	⑧	2	3	5	7	6
2016.....	①	3	⑧	2	4	5	7	6
2017.....	①	4	⑧	2	3	7	6	5
2018.....	①	4	⑧	2	3	7	6	5
2019.....	①	5	⑧	2	3	6	7	4
2020.....	①	5	⑧	2	3	6	7	4
2021.....	①	6	⑧	2	3	4	7	5
2022.....	①	7	⑧	2	3	5	6	4
Convenience								
2015.....	3	7	⑧	2	①	5	6	4
2016.....	3	7	⑧	①	2	5	6	4
2017.....	3	7	⑧	2	①	5	6	4
2018.....	3	7	⑧	2	①	5	6	4
2019.....	3	7	⑧	2	①	5	6	4
2020.....	4	7	⑧	2	①	5	6	3
2021.....	4	7	⑧	2	①	5	6	3
2022.....	5	7	⑧	2	①	4	6	3
Cost								
2015.....	①	5	7	3	⑧	6	4	2
2016.....	①	5	7	2	⑧	6	4	3
2017.....	①	5	7	2	⑧	6	4	3
2018.....	①	5	7	3	⑧	6	4	2
2019.....	①	5	7	3	⑧	6	4	2
2020.....	①	5	7	2	⑧	6	4	3
2021.....	①	5	⑧	2	7	6	4	3
2022.....	①	5	⑧	4	7	6	3	2
Payment records								
2015.....	⑧	5	6	2	①	7	4	3
2016.....	⑧	5	6	2	①	7	4	3
2017.....	⑧	5	6	2	①	7	4	3
2018.....	⑧	5	6	3	①	7	4	2
2019.....	⑧	5	6	3	①	7	4	2
2020.....	⑧	5	6	3	①	7	4	2
2021.....	⑧	5	6	2	①	7	4	3
2022.....	⑧	5	6	3	①	7	4	2
Security								
2015.....	7	5	2	4	①	6	⑧	3
2016.....	7	5	①	4	2	6	⑧	3
2017.....	6	5	2	4	①	7	⑧	3
2018.....	⑧	5	3	4	①	6	7	2
2019.....	⑧	5	2	4	①	6	7	3
2020.....	7	5	3	4	①	6	⑧	2
2021.....	⑧	6	4	3	①	5	7	2
2022.....	⑧	7	4	3	①	6	5	2

* ① indicates that on average, consumers ranked that payment instrument the best for a given characteristic. Similarly, ⑧ indicates that on average, consumers ranked that payment worst. For example, consumers ranked cash the best for Cost and worst for Payment records.

† BANP = Bank account number payment, OBBP = Online banking bill payment.

Table 17b
Assessments of Payment Instruments – Speed characteristic and Mobile payments method
 Rankings*

	Cash	Check	Money order	Debit card	Credit card	Prepaid card	BANP†	OBBP	Mobile payments
Acceptance									
2021.....	3	6	⑨	2	❶	4	8	5	7
2022.....	3	7	⑨	2	❶	4	8	5	6
Acquisition and setup									
2021.....	❶	7	⑨	2	3	4	8	6	5
2022.....	❶	8	⑨	2	3	6	7	5	4
Convenience									
2021.....	5	8	⑨	2	❶	6	7	4	3
2022.....	6	8	⑨	2	❶	5	7	4	3
Cost									
2021.....	❶	5	⑨	2	8	7	4	3	6
2022.....	❶	6	⑨	4	8	7	3	2	5
Payment records									
2021.....	⑨	5	7	2	❶	8	4	3	6
2022.....	⑨	6	7	3	❶	8	4	2	5
Security									
2021.....	⑨	7	4	3	❶	6	8	2	5
2022.....	⑨	8	4	3	❶	7	5	2	6
Speed									
2021.....	3	8	⑨	2	❶	4	7	6	5
2022.....	5	8	⑨	2	❶	4	7	6	3

* ❶ indicates that on average, consumers ranked that payment instrument the best for a given characteristic. Similarly, ⑨ indicates that on average, consumers ranked that payment worst. For example, consumers ranked credit cards the best for Acceptance and money orders worst for Cost.

† BANP = Bank account number payment, OBBP = Online banking bill payment.

Table 18

Payment Preferences

Percent of consumers who indicated payment method as most preferred, by payment type

Please tell us the payment method you most prefer to use for making...

	2015	2016	2017	2018	2019	2020	2021	2022
Bill payments								
Cash.....	7.5	7.8	8.8	7.5	7.1	5.9	6.1	4.7
Check.....	16.0	16.6	13.6	12.7	11.8	11.3	8.1	8.2
Credit card.....	10.3	11.0	11.8	13.9	12.9	14.7	16.4	18.5
Debit card.....	19.9	25.5	24.6	25.1	28.0	27.3	27.5	26.0
Prepaid/Gift/EBT card.....	0.7	1.1	1.4	1.6	1.7	1.8	1.1	0.8
Bank account number payment.....	10.7	9.0	9.9	11.2	10.8	11.5	10.9	12.8
Online banking bill payment.....	31.6	25.2	26.3	24.2	24.4	23.8	26.2	24.3
Money order.....	1.6	1.2	1.1	1.1	1.1	1.0	1.0	1.4
Mobile payment apps such as PayPal, Zelle, Venmo, etc.....	—	—	—	—	0.3	0.7	1.3	1.1
Account-to-account transfer.....	—	—	—	—	0.9	1.4	0.9	1.1
Other payment method.....	1.8	2.7	2.5	2.8	1.1	0.8	0.7	1.3
In-person payments								
Cash.....	23.3	23.6	24.1	22.1	22.8	18.0	19.2	19.0
Check.....	2.0	2.3	1.5	2.0	1.6	1.0	1.5	2.4
Credit card.....	28.5	26.8	28.9	28.8	28.7	32.7	31.8	34.9
Debit card.....	44.1	44.1	41.6	42.6	41.5	43.2	43.7	38.2
Prepaid/Gift/EBT card.....	0.9	1.2	1.4	1.6	1.8	1.4	0.9	0.8
Bank account number payment.....	0.6	0.3	0.3	0.5	0.8	0.6	0.2	0.5
Online banking bill payment.....	0.1	0.5	0.6	0.7	0.6	0.6	0.3	0.6
Money order.....	0.3	0.1	0.3	0.6	0.4	0.2	0.2	0.6
Mobile payment apps such as PayPal, Zelle, Venmo, etc.....	—	—	—	—	0.9	1.5	1.4	1.9
Account-to-account transfer.....	—	—	—	—	0.3	0.2	0.1	0.1
Other payment method.....	0.3	1.0	1.2	1.2	0.6	0.5	0.5	1.1
Online payments								
Cash.....	1.0	0.7	0.0	0.0	0.1	—	0.2	0.1
Check.....	0.5	0.3	0.1	0.0	—	0.1	0.1	0.1
Credit card.....	50.5	44.9	48.8	50.9	51.1	49.9	50.9	54.1
Debit card.....	36.0	35.7	36.1	35.6	38.0	39.1	39.5	37.0
Prepaid/Gift/EBT card.....	4.3	4.7	4.3	3.0	3.3	2.5	2.1	2.1
Bank account number payment.....	1.9	0.6	0.4	1.0	0.4	0.8	0.9	0.6
Online banking bill payment.....	1.0	0.3	0.4	0.1	0.3	0.3	0.7	0.6
Money order.....	0.6	0.7	0.0	—	—	0.1	0.0	0.1
Mobile payment apps such as PayPal, Zelle, Venmo, etc.....	—	—	—	—	5.9	5.9	4.8	5.0
Account-to-account transfer.....	—	—	—	—	0.1	0.2	0.0	0.0
Other payment method.....	4.2	12.2	9.8	9.3	0.9	1.1	0.7	0.3

Table 19**Income and Labor Force Status**

Percentage of consumers*

	2015	2016	2017	2018	2019	2020	2021	2022
Household income								
Less than \$25,000.....	21.8	21.1	18.3	22.8	22.2	19.3	20.9	19.1
\$25,000–\$49,999.....	24.1	23.8	23.4	17.7	18.8	17.1	18.6	17.1
\$50,000–\$74,999.....	19.2	17.8	19.4	18.3	17.7	19.2	16.3	15.1
\$75,000–\$99,999.....	11.7	12.0	13.2	12.8	14.3	12.7	13.3	13.7
\$100,000–\$124,999.....	8.6	10.5	10.2	10.9	10.2	10.9	10.7	10.5
\$125,000–\$199,999.....	11.0	11.1	11.7	12.0	12.3	14.1	13.6	16.8
\$200,000–\$499,999.....	2.8	3.4	3.6	5.3	4.2	6.4	6.1	7.0
\$500,000 or more.....	0.9	0.3	0.2	0.3	0.2	0.4	0.5	0.6
Labor force status								
Currently working.....	58.8	59.6	61.7	59.6	59.3	57.3	56.1	57.4
On sick or other leave.....	0.6	0.5	0.2	0.1	0.4	0.5	0.6	0.5
Unemployed – on layoff†.....	0.8	0.8	0.5	0.6	0.7	2.3	1.7	0.7
Unemployed – looking.....	6.1	5.7	4.6	4.8	4.6	5.5	5.4	5.3
Retired.....	15.5	16.1	15.1	16.1	15.5	16.5	17.1	17.7
Disabled.....	6.8	6.5	6.3	6.5	7.0	5.4	5.9	5.4
Other.....	4.4	6.0	5.9	5.9	6.0	5.7	6.3	6.0
Selected multiple categories.....	6.9	4.8	5.7	6.4	6.6	6.8	7.1	7.0

* Estimates are weighted. The table of unweighted sample demographics is available upon request.

† The numbers for unemployment differ from the official BLS numbers due to differences between the UAS panel and the BLS in the methodologies for collecting the data and computing the unemployment rate.

Table 20**Demographics and Homeownership**

Percentage of consumers, except where noted*

	2015	2016	2017	2018	2019	2020	2021	2022
U.S. Population age 18 or older (millions)†.....	242.6	245.3	246.3	249.6	250.7	252.2	253.1	255.1
Number of survey respondents.....	1,429	3,404	3,099	3,153	3,320	1,909	4,137	4,427
Gender								
Male.....	48.2	48.3	48.2	48.3	48.3	48.3	48.3	48.7
Female.....	51.8	51.7	51.8	51.7	51.7	51.7	51.7	51.3
Age								
18–24.....	6.7	6.8	5.1	4.8	5.7	6.0	6.0	6.2
25–34.....	23.3	23.2	24.6	24.8	23.9	23.3	22.9	22.1
35–44.....	16.4	16.3	16.2	16.3	16.3	16.4	16.4	16.9
45–54.....	17.7	17.4	17.1	16.8	16.8	15.9	15.7	15.9
55–64.....	16.7	16.8	17.0	16.9	16.9	16.7	16.6	16.5
65 and older.....	19.2	19.5	20.1	20.5	20.5	21.7	22.3	22.4
Race								
White.....	76.3	74.3	74.2	73.8	72.7	71.8	71.3	71.5
Black.....	13.2	13.3	13.7	13.3	14.7	14.2	13.9	13.2
Asian.....	4.1	3.1	3.6	3.7	3.1	5.2	5.4	7.0
Race not listed above.....	1.7	2.2	1.4	1.8	1.7	1.6	2.1	1.5
Mixed.....	4.6	7.0	7.0	7.4	7.8	7.1	7.2	6.8
Ethnicity								
Hispanic or Latino.....	13.2	12.1	11.9	12.2	11.8	11.6	11.4	11.9
Education								
No high school diploma.....	9.0	7.3	7.0	7.4	7.9	6.4	7.3	6.8
High school.....	32.8	33.4	33.0	32.2	31.8	31.0	31.2	31.3
Some college.....	28.3	28.5	28.4	28.1	28.1	27.4	26.8	26.5
College.....	17.0	17.3	18.0	18.4	18.4	18.8	19.0	19.6
Post-graduate study.....	13.0	13.4	13.5	13.9	13.9	16.5	15.8	15.8
Homeownership rate	61.9	66.4	64.4	62.6	63.3	63.7	62.4	63.4

* Estimates are weighted. The table of unweighted sample demographics is available upon request.

† Source: Bureau of Labor Statistics data series LNU00076975, (Unadj) Population Level - 18 years and over.