

RJN 10

Federal Reserve Payments Study

Networks, Processors, and Issuers Payments Surveys (NPIPS)

Estimates for Calendar Years 2015-2022

Released November 2024

This workbook contains data that was updated since the original posting on November 13, 2024. See "UPDATES" below for a list of affected items.

CONTENTS	DESCRIPTION
GP Card Payments	Sum of data available for the general-purpose card types, including non-prepaid debit, general-purpose prepaid debit, and general-purpose credit
GP Debit Card Payments	Sum of data available for the general-purpose debit card types, including non-prepaid debit and general-purpose prepaid debit
Non-Prepaid Debit Card Payments	Non-prepaid debit card transactions (<i>Note: All non-prepaid debit card transactions are general-purpose card transactions.</i>)
GP Prepaid Debit Card Payments	General-purpose prepaid debit card transactions
GP Credit Card Payments	General-purpose credit card transactions
PL Prepaid & EBT Card Payments	Private-label prepaid debit card and electronic benefits transfer (EBT) card transactions
PL Credit Card Payments	Private-label credit card transactions
Alternative Payments	Payments initiated via alternative payment methods and systems, including the following categories:
<i>P2P and Money Transfer</i>	<i>Person-to-person payments and money transfers</i>
<i>Online Bill Payment</i>	<i>Online bill payment transactions</i>
<i>Walk-in Bill Payment</i>	<i>Walk-in bill payment transactions</i>
<i>Private-label ACH Debit Card</i>	<i>Private-label ACH debit card transactions</i>
<i>Online Payment Authentication</i>	<i>Payments using online payment authentication methods</i>
<i>Mobile Wallet</i>	<i>Transactions using mobile wallets (digital wallets on mobile devices)</i>
GP Card Payments - Quarterly	Quarterly data available for the general-purpose card types, including non-prepaid debit, general-purpose prepaid debit, and general-purpose credit

NOTES

Each sheet in this workbook contains annual data from 2015 to 2022, compound annual growth rates (CAGRs), and annual growth rates (AGRs).

Values and averages are reported in U.S. dollars.

Cells left blank in the data tables indicate data is not reported.

Businesses are defined to include for-profit and not-for profit enterprises and federal, state, and local government agencies.

ACRONYMS

AGR	Annual growth rate
CAGR	Compound annual growth rate
EBT	Electronic benefits transfer
GP	General-purpose
NPIPS	Networks, Processors, and Issuers Payments Surveys
P2P	Person-to-person
PL	Private-label

MORE INFORMATION

[Federal Reserve Payments Study Website](#)

UPDATES

In the PL Credit Card Payments table, the number and value for 2015 and 2017 for Mobile App was corrected to blank. No data are available.

Private-Label Prepaid and EBT Cards 2015-22 Networks, Processors, and Issuers Payments Survey (NIPS)	2015			2016			2017			2018			2019			2020			2021			2022			CAGR (percent)		AGR (percent)			
	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	2015-18 Number	2018-21 Value	2021-22 Number	2021-22 Value		
Payments by channel	4.4	0.07	16	4.9	0.07	15	5.4	0.08	15	5.5	0.10	18	5.6	0.07	13	4.6	0.07	15	5.2	0.08	16	5.4	0.09	16	8.3	12.5	-2.3	-6.4	4.6	9.4
in person	4.4	0.07	16	4.7	0.07	14	5.0	0.07	14	5.0	0.09	18	5.1	0.06	13	2.8	0.06	15	4.2	0.06	15	2.9	0.07	17	4.8	8.6	-5.5	-10.0	-7.3	1.8
Remote	<0.1	<0.01	60	0.1	<0.01	33	0.3	0.01	21	0.5	0.01	19	0.6	0.01	16	0.8	0.01	17	0.9	0.02	17	1.5	0.02	15	753.9	483.2	22.2	17.6	58.4	40.4
Payments by card type	4.4	0.07	16	4.9	0.07	15	5.4	0.08	15	5.5	0.10	18	5.6	0.07	13	4.6	0.07	15	5.2	0.08	16	5.4	0.09	16	8.3	12.5	-2.3	-6.4	4.6	9.4
Reloadable	3.5	0.04	11	4.0	0.04	11	4.5	0.05	10	4.6	0.07	15	5.2	0.05	10	4.1	0.05	11	4.8	0.06	13	4.8	0.07	14	8.9	19.6	1.9	-1.3	0.6	5.0
Non-reloadable	0.8	0.03	36	0.9	0.03	35	0.9	0.03	37	1.0	0.03	33	0.4	0.02	48	0.5	0.02	44	0.4	0.02	49	0.6	0.02	38	5.3	2.0	-28.9	-19.0	59.0	25.6
Electronic benefits transfer (EBT)	2.6	0.08	29	2.5	0.07	28	2.4	0.06	27	2.3	0.06	27	2.1	0.06	30	3.5	0.11	30	4.8	0.16	35	4.1	0.15	36	-3.7	-6.1	26.9	38.3	-13.7	-11.0

Private-Label Credit Cards 2015-22 Networks, Processors, and Issuers Payments Surveys (NPIPS)	2015			2016			2017			2018			2019			2020			2021			2022			CAGR (percent)				AGR (percent)			
	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	Number (billions)	Value (\$ trillions)	Average (\$)	2015-18		2018-21		2021-22			
																									Number	Value	Number	Value	Number	Value		
Payments by channel	2.7	0.25	93	2.9	0.26	90	3.0	0.27	91	3.7	0.33	90	2.8	0.28	98	2.5	0.25	97	3.1	0.53	170	3.3	0.40	123	11.1	9.8	-5.0	17.5	4.6	-24.5		
In person	2.3	0.23	99	2.4	0.24	99	2.4	0.24	100	2.8	0.28	99	2.1	0.24	117	1.4	0.17	125	1.6	0.33	209	2.0	0.31	156	7.6	7.5	-17.7	5.7	23.6	-7.6		
Merchant-issued card or token										2.0	0.16	77	1.6	0.17	102	0.9	0.08	89	1.2	0.13	112	1.2	0.12	99			-16.7	-5.6	4.9	-7.4		
Mobile App ²										<0.1	<0.01	44	<0.1	<0.01	104	<0.1	<0.01	43	<0.1	<0.01	83	<0.1	0.01	199			-11.5	-19.5	106.7	1,131.1		
Other										0.8	0.12	156	0.4	0.07	183	0.4	0.09	204	0.4	0.20	504	0.7	0.18	256			-20.6	17.2	75.8	-10.8		
Remote	0.4	0.02	56	0.5	0.03	54	0.6	0.03	51	0.8	0.05	58	0.8	0.04	66	1.2	0.08	64	1.6	0.20	130	1.3	0.10	73	27.6	29.5	23.6	61.3	-14.7	-52.1		
Payments by payer type	2.7	0.25	93	2.9	0.26	90	3.0	0.27	91	3.7	0.33	90	2.8	0.28	98	2.5	0.25	97	3.1	0.53	170	3.3	0.40	123	11.1	9.8	-5.0	17.5	4.6	-24.5		
Consumer	1.8	0.19	103	2.0	0.20	101	2.0	0.20	101	2.3	0.23	100	2.0	0.20	99	1.8	0.18	102	2.2	0.38	172	2.3	0.27	119	8.0	7.0	-0.9	18.8	3.6	-28.6		
Business	0.9	0.06	73	0.9	0.06	67	1.0	0.07	71	1.4	0.10	73	0.8	0.08	95	0.8	0.07	87	0.9	0.15	164	1.0	0.13	132	17.1	17.3	-12.4	14.7	6.9	-14.2		

² On March 6, 2025, the number and value for 2015 and 2017 for Mobile App was corrected to blank. No data are available.

Alternative Payment Methods & Systems	2015			2016			2017			2018			2019			2020			2021			2022			CAGR (percent)				AGR (percent)			
	2015-22			2016-22			2017-22			2018-22			2019-22			2020-22			2021-22			2022-22			2015-18		2018-21		2015-22		2018-22	
	Number (billions)	Value (\$ billions)	Average (\$)	Number (billions)	Value (\$ billions)	Average (\$)	Number (billions)	Value (\$ billions)	Average (\$)	Number (billions)	Value (\$ billions)	Average (\$)	Number (billions)	Value (\$ billions)	Average (\$)	Number (billions)	Value (\$ billions)	Average (\$)	Number (billions)	Value (\$ billions)	Average (\$)	Number (billions)	Value (\$ billions)	Average (\$)	Number	Value	Number	Value	Number	Value	Number	Value
Person-to-Person (P2P) and Money Transfer Processor																																
Payments by payee location	0.5	0.16	336							1.6	0.25	217	2.0	0.68	228	5.3	1.03	194	7.8	1.45	186	9.5	1.67	175	49.3	29.1	69.4	60.8	22.4	15.0		
Domestic	0.4	0.12	341							1.5	0.31	209	2.8	0.63	224	5.1	0.95	189	7.6	1.39	182	9.3	1.60	171	58.7	34.8	73.0	65.1	23.2	16.0		
Cross-border	0.1	0.04	320							0.1	0.04	307	0.1	0.04	304	0.2	0.06	334	0.2	0.07	343	0.2	0.07	349	6.3	4.8	14.7	19.0	5.9	4.1		
Payments by origination channel	0.5	0.16	336							1.6	0.35	217	3.0	0.68	228	5.3	1.03	194	7.8	1.45	186	9.5	1.67	175	49.3	29.1	69.4	60.8	22.4	15.0		
Website	0.2	0.09	434							0.7	0.15	220	1.1	0.35	324	1.1	0.35	308	0.9	0.38	416	1.2	0.38	330	50.7	20.1	102.2	96.3	28.4	1.7		
Mobile phone	0.2	0.03	206							0.8	0.15	202	1.7	0.26	152	4.0	0.60	149	6.5	0.97	149	7.9	1.17	147	67.0	65.8	104.6	84.8	21.5	20.3		
In person	0.1	0.04	412							0.1	0.04	297	0.1	0.04	310	0.1	0.05	366	0.1	0.05	382	0.1	0.05	392	15.1	3.2	4.3	4.1	3.6	1.1		
All other	<0.1	<0.01	118							<0.1	<0.01	169	0.1	0.03	447	0.1	0.04	693	0.2	0.05	229	0.3	0.07	208	8.7	-2.2	123.9	147.4	40.7	28.4		
Payments by funding instrument	0.5	0.16	336							1.6	0.35	217	3.0	0.68	228	5.3	1.03	194	7.8	1.45	186	9.5	1.67	175	49.3	29.1	69.4	60.8	22.4	15.0		
Cash or check										0.1	0.02	340	0.2	0.02	340	0.2	0.06	357	0.2	0.07	349	0.2	0.07	378					8.2	-0.8		
General-purpose card network										1.5	0.12	79	2.4	0.21	86	3.7	0.32	86	3.7	0.32	86	4.2	0.34	82					13.5	5.9		
ACH										0.1	0.28	1,913	0.2	0.31	1,815	0.3	0.46	1,702	0.3	0.49	1,435	0.3	0.49	1,435					26.2	6.3		
Internal prefunded/prepaid account or internal book transfer										0.4	0.06	131	1.0	0.09	146	1.6	0.09	157	2.2	0.11	53								37.0	26.1		
Other										0.8	0.20	251	1.6	0.40	249	2.0	0.50	246	2.7	0.65	245								29.9	29.1		
Payments by clearing method	0.5	0.16	336							1.6	0.35	217	3.0	0.68	228	5.3	1.03	194	7.8	1.45	186	9.5	1.67	175	49.3	29.1	69.4	60.8	22.4	15.0		
Credit card/signature debit network	<0.1	<0.01	180							0.9	0.20	209													244.1	261.5						
ETV/PIN debit network	0.1	0.02	254							0.4	0.06	155													71.5	45.4						
ACH	0.1	0.02	268							0.1	0.03	502													15.4	4.3						
Book transfer	0.2	0.06	261							0.2	0.05	274													7.5	8.2						
Other	0.1	0.05	711							0.1	0.02	312													-5.8	-28.4						
Payments by disbursement speed	0.5	0.16	336							1.6	0.35	217	3.0	0.68	228	5.3	1.03	194	7.8	1.45	186	9.5	1.67	175	49.3	29.1	69.4	60.8	22.4	15.0		
Immediate transactions																			7.5	0.59	79	8.8	0.82	95					17.2	28.2		
Other																			0.3	0.85	2,859	0.8	0.84	1,119					52.0	-1.1		
Payments by transaction value range	0.5	0.16	336							1.6	0.35	217	3.0	0.68	228	5.3	1.03	194	7.8	1.45	186	9.5	1.67	175	49.3	29.1	69.4	60.8	22.4	15.0		
Less than \$25.00	0.1	<0.01	11							0.5	<0.01	11	1.1	0.01	11	2.1	0.03	12	3.3	0.05	15	4.2	0.06	13	65.1	64.7	93.2	113.7	29.9	20.3		
\$25.00 to \$49.99	0.1	<0.01	30							0.2	0.01	35	0.5	0.02	36	1.0	0.04	37	1.5	0.06	42	1.7	0.07	42	18.9	18.0	61.9	91.8	19.3	19.6		
\$50.00 to \$99.99	0.1	<0.01	55							0.3	0.02	67	0.4	0.03	69	0.8	0.06	70	1.2	0.09	79	1.4	0.11	79	51.1	61.6	67.6	76.4	17.6	18.9		
\$100.00 to \$249.99	0.1	0.01	128							0.3	0.05	154	0.5	0.07	154	0.8	0.11	159	1.1	0.20	175	1.3	0.24	178	43.2	52.2	50.8	57.6	16.4	18.3		
\$250.00 to \$499.99	0.1	0.02	291							0.1	0.05	356	0.2	0.06	358	0.3	0.10	371	0.4	0.15	407	0.6	0.18	419	39.6	49.2	37.7	44.0	14.3	17.7		
\$500.00 to \$999.99	<0.1	0.02	509							0.1	0.07	485	0.1	0.08	486	0.2	0.12	715	0.2	0.17	782	0.3	0.21	814	34.1	43.5	29.1	34.9	13.3	18.0		
\$1000.00 or greater	<0.1	0.10	2,444							0.1	0.15	1,825	0.1	0.40	4,753	0.1	0.56	4,725	0.2	0.72	4,560	0.2	0.81	4,678	26.1	12.9	25.7	70.5	8.9	11.7		
Payments, cross-border from non-U.S. domiciled account	<0.1	<0.01	246							<0.1	<0.01	263	<0.1	<0.01	171	<0.1	<0.01	149	<0.1	<0.01	259	<0.1	<0.01	270	-9.9	-7.8	17.3	16.7	-2.5	1.5		

