



Global E-Commerce Intelligence
we report, you grow

SAMPLE REPORT
**FRAUD AND SECURITY IN GLOBAL
ONLINE PAYMENTS 2024**

PUBLICATION DATE: FEBRUARY 2024

PREFACE

Sample Report

OBJECTIVE

RELIABLE

A LIST OF ADVANTAGES

- yStats.com provides secondary market research: By using various sources of information we ensure maximum reliability of all obtained data. As a result companies get a precise and unbiased impression of the market situation.
- Only reliable sources such as national and international statistical offices, industry and trade associations, business reports, business and company databases, journals, company registries and news portals are used as a basis for the analyses, statistical reports and forecasts.
- Our international employees research and filter all sources and translate relevant information into English. This ensures that the content of the original studies is correctly interpreted.
- yStats.com delivers all research results as PowerPoint files. All data can therefore be used directly for board presentations or be individually adapted.
- If required, yStats.com provides in-depth analysis for all research projects. Simply send us a request.

TERMS OF USE AND COPYRIGHT CONDITIONS

- This report is copyrighted. All rights reserved and no part of this report may be reproduced, stored in a retrieval system or transmitted in any form without the prior permission of the publishers.
- The information in this report does not constitute the provision of investment, legal or tax advice. Any views expressed reflect the current views of the original authors, which do not necessarily correspond to the opinions of yStats.com GmbH & Co. KG.
- The information in this report is provided for informational purposes only and without any obligation, whether contractual or otherwise. No warranty or representation is made as to the correctness, completeness and accuracy of the information given or the assessments made.
- We have taken every precaution to ensure that details provided in this report are accurate. The publishers are not liable for any omissions, errors or incorrect insertions, nor for any interpretations made from the document.

LEGAL NOTICE

Sample Report

This report is subject to the Terms & Conditions of yStats.com GmbH & Co. KG, which can be found at [yStats.com](https://www.ystats.com). By selecting a particular license, you agree to the Terms & Conditions which pertain to said license. Please be aware that any misuse of this product or any other product not in accordance with the aforementioned Terms & Conditions will result in legal action.

The licensing structure is as follows:

SINGLE USER LICENSE

■ allows one (1) user to access the downloaded report.

SITE LICENSE

■ allows up to ten (10) users of a company within a specified geographic area (i.e. country) to access the downloaded report.

GLOBAL SITE LICENSE

■ allows up to ten (10) user of a company worldwide to access the downloaded report.

GENERAL METHODOLOGY OF MARKET RESEARCH REPORTS

OBJECTIVE

RELIABLE

Sample Report

Secondary Market Research

- The reports are compiled based on secondary market research. Secondary research is information gathered from previously published sources and is solely based on information and data acquired from national and international statistical offices, industry and trade associations, business reports, company databases, journals, company registries, news portals and many other reliable sources. By using various sources, we ensure maximum objectivity for all obtained data. As a result, companies gain a precise and unbiased impression of the market situation.
- Cross referencing of data is conducted in order to ensure validity and reliability.
- The source of information and its release date are provided on every chart. It is possible that the information contained in one chart is derived from several sources. If this is the case, all sources are mentioned on the chart.
- The reports include mainly data from the last 12 months prior to the date of report publication. Exact publication dates are mentioned in every chart.

Definitions

- The reports take into account a broad definition of B2C E-Commerce, which might include mobile commerce. As definitions may vary among sources, exact definition used by the source (if available) is included at the bottom of the chart.

Chart Types

- Our reports include text charts, pie charts, bar charts, rankings, line graphs and tables. Every chart contains an Action Title, which summarizes the main idea/finding of the chart and a Subtitle, which provides necessary information about the country, the topic, units or measures of currency, and the applicable time period(s) to which the data refers. With respect to rankings, it is possible that the summation of all categories amounts to more than 100%. In this case, multiple answers were possible, which is noted at the bottom of the chart.

Report Structure

- Reports are comprised of the following elements, in the following order: Cover page, preface, legal notice, methodology, definitions, table of contents, management summary (summarizing main information contained in each section of report) and report content (divided into sections and chapters). When available, we also include forecasts in our report content. These forecasts are not our own; they are published by reliable sources. Within Global and Regional reports, we include all major developed and emerging markets, ranked in order of importance by using evaluative criteria such as sales figures.

Notes and Currency Values

- If available, additional information about the data collection, for example the time of survey and number of people surveyed, is provided in the form of a note. In some cases, the note (also) contains additional information needed to fully understand the contents of the respective data.
- When providing information about amounts of money, local currencies are most often used. When referencing currency values in the Action Title, the EUR values are also provided in brackets. The conversions are always made using the average currency exchange rate for the respective time period. Should the currency figure be in the future, the average exchange rate of the past 12 months is used.

METHODOLOGY OF THE CURRENT



Sample Report

OBJECTIVE

RELIABLE

Report Coverage

- This report covers the global online payment market with a focus on fraud and security issues. It takes into account a wide definition of online payment, including payments made in online shopping and mobile payment, such as remote and proximity payments.
- The report includes data mostly published within the previous 12 months. The exact date of publication of the source is stated on each chart. The time period which the data refers to differs by source.

Report Structure

- The global chapter opens the report, featuring an overview of global trends and innovations, value of online payment fraud worldwide and the attitude of global consumer to security of digital payments.
- The rest of the report is divided by regions presented in the descending order of B2C E-Commerce sales. Within each region, the countries are also ranked by B2C E-Commerce sales.
- The types of information included per country differ due to varying data availability. These may include: information about card-not-present fraud and account takeover, attitude of consumers towards online payment security, security-related barriers encountered by consumers and businesses, demand for biometric identification methods, measures taken by Financial Institutions to combat payment fraud, and consumer sentiment towards the security of online payments.

DEFINITIONS

Sample Report

The following expressions and definitions are used in this report*:

- **ONLINE PAYMENT**
Transfer of money made over the Internet following a consumer's payment command, includes payment for products and services purchased in E-Commerce and M-Commerce.
- **MOBILE PAYMENT**
A wide definition of mobile payments includes remote payments made remotely in M-Commerce and proximity payments made in-store, such as via QR code scanning and NFC technology.
- **CHARGEBACK**
The charge that a merchant pays to a customer who successfully disputed a transaction on his/her credit card statement.
- **CARD-NOT-PRESENT FRAUD**
Fraud that occurs in purchases and payments made without presenting a card, mainly online or by phone.
- **PAYMENT CARD FRAUD**
Payment card fraud is the unauthorized use of credit or debit cards for fraudulent transactions, often obtained through methods like skimming or phishing. It includes remote card purchase, lost and stolen, card not received, counterfeit card, and card ID theft.
- **ACCOUNT TAKEOVER (ATO)**
ATO attacks involve unauthorized individuals gaining control of someone's online accounts, like email or social media, often through phishing or malware, to exploit the accounts for malicious purposes such as identity theft or financial fraud.
- **BIOMETRIC AUTHENTICATION**
Any means by which a person can be uniquely identified based on evaluation of one or more distinguishing biological traits. These may include fingerprints, facial recognition, iris scan and others. In payments, biometric authentication is used to identify the user and authorize the transaction.
- **REAL-TIME TRANSACTION VERIFICATION**
Real-time transaction verification instantly confirms the authenticity and details of financial transactions as they happen, such as the sender's and receiver's identities, the amount of money transferred, and the validity of the transaction itself, using advanced technology and algorithms to prevent fraud and provide immediate confirmation to users.

Note: *the definitions in the original sources may differ from those on the chart; exact definitions from each source, where available, are included on the respective charts

TABLE OF CONTENTS (1 OF 2)

Sample Report

OBJECTIVE

RELIABLE

1. Key Takeaways

- Key Takeaways of Fraud and Security in Online Payments

2. Management Summary**3. Global Developments**

- Overview of Security in Virtual Cards Market, February 2024
- Overview of Enhanced Security Measures at POS, February 2024 (1 of 2)
- Overview of Enhanced Security Measures at POS, February 2024 (2 of 2)
- Overview of Concerns in Online And Mobile Payment Market, February 2024
- Overview of AI Use in Embedded Finance Ecosystem, February 2024
- Merchant Online Payment Fraud Loss, in USD billion, 2023e & 2028f
- Online Payment Fraud Loss Value, by Region, in USD billion, 2025f
- B2C E-Commerce Loss Due to Online Payment Fraud, in USD billion, 2020 & 2023e
- Share of B2C E-Commerce Revenue Loss to Fraud, in %, 2023
- Breakdown of Fraudulent B2C E-Commerce Transaction Value, by Region, in %, 2023e
- Financial Crime Prevention Spend, in USD billion, 2023e & 2027f
- Biometric In-Store Payments Market Size, in USD trillion, 2024e & 2028f
- Number of Digital Identity Verification Checks, in billions, 2023e & 2024f
- Share of Banking Making Up the Total Digital Identity Verification Market, in %, 2024f
- Share of Consumers Agreeing With the Following Statements Related to Security of Online Payments, in %, April 2023
- Noted Annual Increase in Payment Fraud Growth Over Real-Time Payment Rails, by Fraud Type, in % of Financial Institutions, 2022
- Share of Financial Institutions That Plan to Make Major Changes to Enhance Their RTP Fraud Controls Over the Next 1-2 Years, March 2023

TABLE OF CONTENTS (2 OF 2)

Sample Report**4. Europe****4.1. Regional**

- Share of Card Fraud That Involves Cross-Border Transactions, in %, 2023e
- Breakdown of Digital Wallet Attributes That Respondents Value the Most, in % of Respondents, September 2022
- Top Concerns When It Comes to Embedded Financial Services and Products, in % of Respondents, April 2023

4.2. UK

- Unauthorized Payment Card Fraud Loss, in GBP million, H1 2022 & H1 2023
- Prevented Unauthorized Payment Card Fraud Value, in GBP million, H1 2022 & H1 2023
- Card-Not-Present Payment Fraud Loss, in GBP million, H1 2022 & H1 2023
- Breakdown of Payment Fraud Volume, by Fraud Source, in %, H1 2023
- Breakdown of Payment Fraud Value, by Fraud Source, in %, H1 2023

4.3. Germany

- Share of Online Merchants Who Identified an Increase in B2C E-Commerce Fraud, in %, 2023e

4.4. Switzerland

- Share of Online Merchants Who Have Been Struck by Fraud, in %, 2022

5. North America**5.1. USA**

- Total Card-Not-Present (CNP) Fraud Loss, in USD billion, in % of Total Payment Fraud Loss, 2019-2024f
- Share of Adults Who Have Fallen Victim to Account Takeover (ATO) Attacks, in %, 2023e
- P2P Fraud Loss Value, in USD billion, 2021 & 2022
- Share of Banking Customers Who Say That They Have Been Victimized by a P2P Payment Scam in the Last 12 Months, in %, May 2023
- Breakdown of Banking Customer Satisfaction With Their Bank's Response to P2P Fraud Claims, in %, May 2023
- Share of Imposter Scams Making Up Total Reported Scams to the Federal Trade Commission, in %, Q3 2023
- Breakdown of Main Reasons Among Respondents For Not Using Mobile Payment Solutions More Often, in % of Respondents, July 2023

TABLE OF CONTENTS (3 OF 3)



Sample Report

5. North America (Cont.)

5.1. USA (Cont.)

- Breakdown of When SMEs Expect to Be Able to Offer Payments Verified With Biometric Authentication, in %, October 2022

5.2. Canada

- Reasons for Using Prepaid Cards For Making Online Payments, in % of Respondents, April 2023

6. Latin America

6.1. Regional

- Fraud Detection and Prevention Market, incl. “Online Payment Fraud”, in USD billion, 2024f & 2028f
- Breakdown of Reasons Why Businesses Do Not Use Technology to Combat Fraud, incl. “Online Payment Fraud” in %, 2023e

7. Asia-Pacific

7.1. Regional

- Overview of Fraud in Online Payments, February 2024
- Use of Online Shopping Channels For Frauds, by Country, in %, November 2023

7.2. Australia

- Payment Card Fraud Value, in AUD million, FY 2022 & FY 2023
- Domestic Card-Not-Present (CNP) Fraud Value, in AUD million, FY 2022 & FY 2023
- Overseas/Via Overseas Merchant Card-Not-Present (CNP) Fraud Value, in AUD million, FY 2022 & FY 2023

8. Middle East and Africa

8.1. Regional

- Total Fraud Loss Value, incl. “Online Payment Fraud”, in USD billion, 2023e & 2028f
- Share of Fraudulent Verification Attempts in Payment Industry, in %, February 2023 & August 2023

TABLE OF CONTENTS



OBJECTIVE

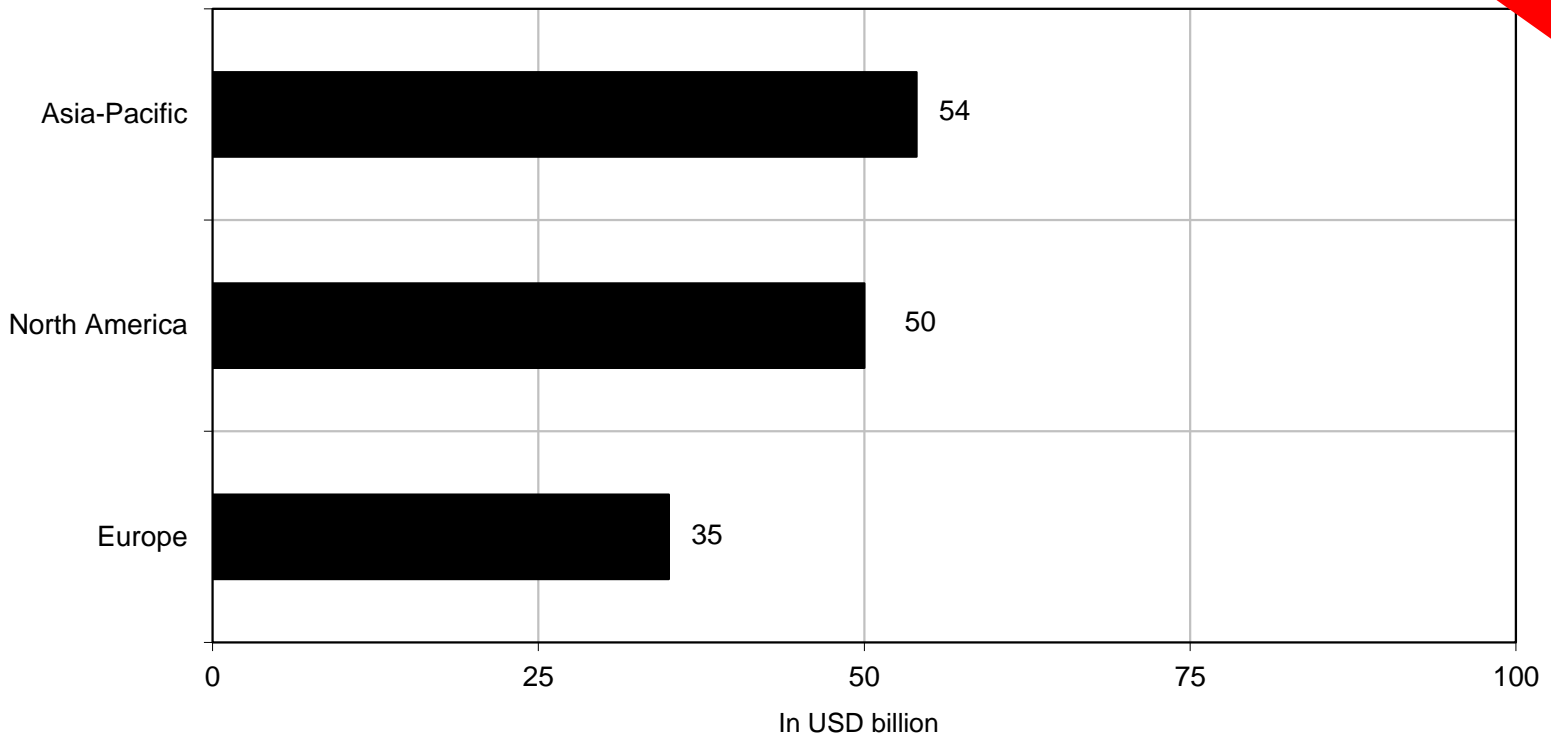
RELIABLE

1.	Key Takeaways	10 – 11	6.	Latin America	54 – 56
2.	Management Summary	12 – 14	6.1.	Regional	55 – 56
3.	Global Developments	15 – 32	7.	Asia-Pacific	57 – 62
4.	Europe	33 – 43	7.1	Regional	58 – 59
4.1.	Regional	34 – 36	7.2.	Australia	60 – 62
4.2.	UK	37 – 41	8.	Middle East and Africa	63 – 65
4.3.	Germany	42 – 42	8.1.	Regional	64 – 65
4.4.	Switzerland	43 – 43			
5.	North America	44 – 53			
5.1.	USA	45 – 52			
5.2.	Canada	53 – 53			



By 2025, the online payment fraud loss in Asia-Pacific is projected to reach USD 54 bil. (EUR 50 bil.), followed by North America at USD 35 bil. (EUR 32 bil.).

Global: Online Payment Fraud Loss Value, by Region, in USD billion, 2025f

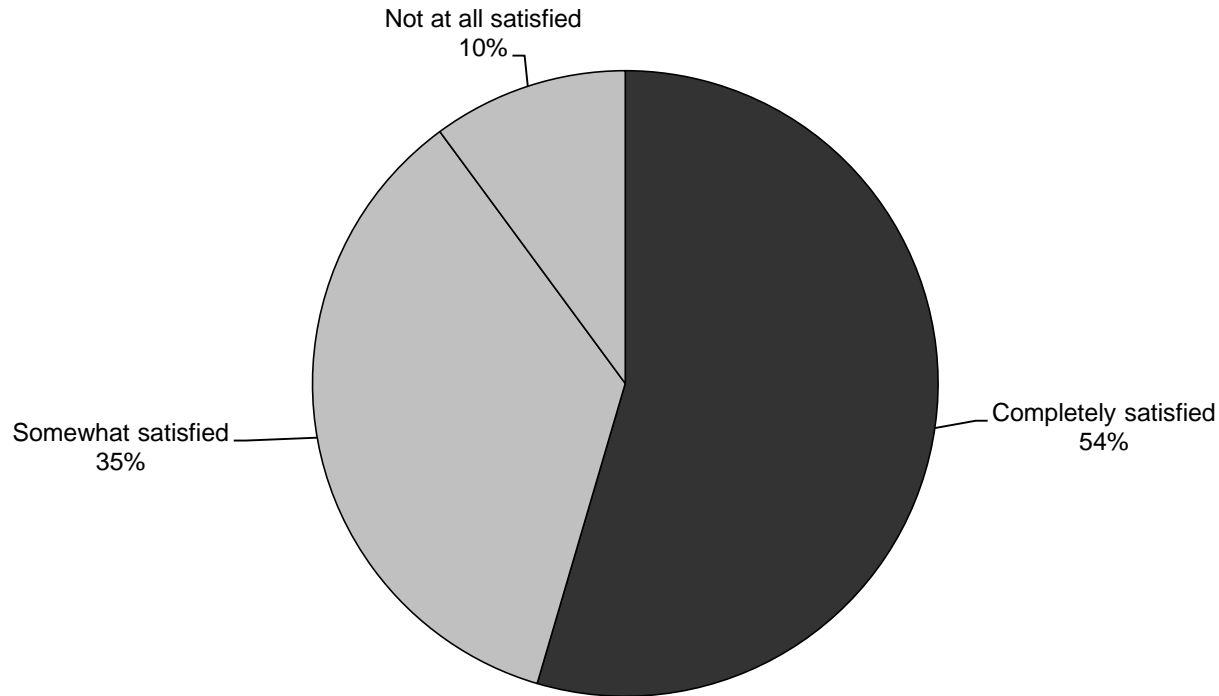


Note: the exchange rate applied in the action title is the average rate for 12 months to February 2024: USD 1 = EUR 0.9239
Source: Stripe, June 2023



More than half (54%) of U.S. banking customers were “completely satisfied” with their bank’s response to P2P fraud claims

USA: Breakdown of Banking Customer Satisfaction With Their Bank’s Response to P2P Fraud Claims, May 2023



Note: does not add up to 100% due to rounding
Source: J.D. Power cited by Forbes Advisor, November 2023



Global E-Commerce Intelligence
we report, you grow

ADDRESS

yStats.com GmbH & Co. KG
Behringstr. 28a | 22765 Hamburg | Germany

CONTACT

Phone: +49 40 - 39 90 68 50 | Fax: +49 40 - 39 90 68 51 | info@ystats.com

SOCIAL MEDIA

 [linkedin.com/company/ystats](https://www.linkedin.com/company/ystats)
 twitter.com/ystats
 [facebook.com/ystats](https://www.facebook.com/ystats)
 [gplus.to/ystats.com](https://plus.google.com/ystats.com)

MORE NEWS?

Please subscribe to our Newsletter at www.ystats.com