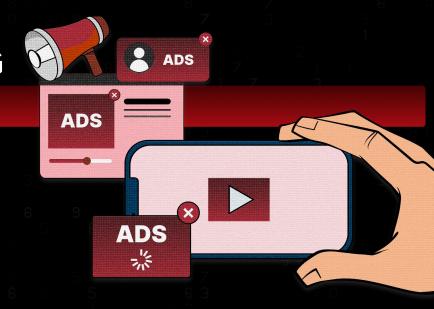
MADE-FOR-ADVERTISING

MOBILE APPS BENCHMARKS REPORT GLOBAL

Q2 2025

An analysis of global open programmatic advertising traffic on MFA mobile apps across Google Play and the Apple App Store.





REPORT AUTHORS













Alex Braelow

Analyst

pixalate

Patrick McClure

Dir. Technical Product Management

pixalate

Hawn Smith

Ad Fraud Product Manager

pixalate

Alba Del Villar

Chief Economist

pixalate



TABLE OF CONTENTS

Key Stats and TrendsMFA Mobile Traffic Analysis5 - 9

MFA Mobile App Store Analysis 10 - 14

Methodology and Disclaimer 17 - 20

COMPARE → Websites, Connected TV

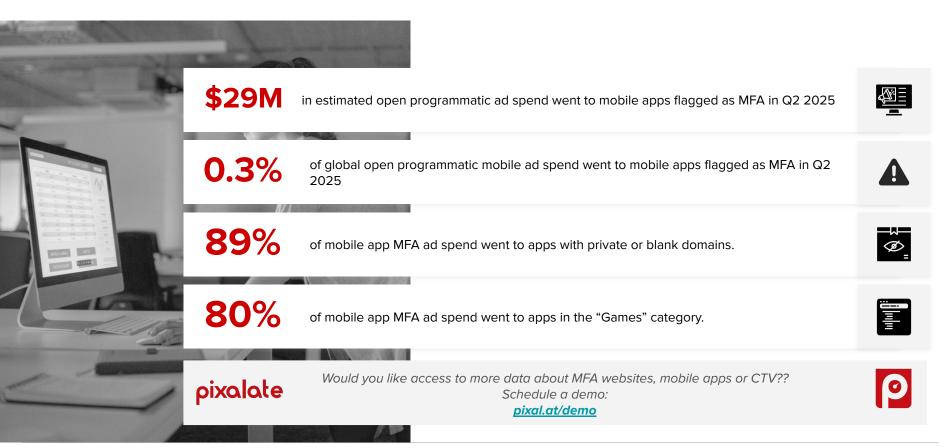


ABOUT THIS REPORT:

This report highlights quarterly trends and benchmarks on made-for-advertising (MFA) mobile apps in Q2 2025. Pixalate's data science team analyzed programmatic advertising activity across 27+ billion global open programmatic advertising impressions in Q2 2025 (June) to compile this research. Pixalate's datasets — which are used exclusively to derive these insights — consist predominantly of buy-side open auction programmatic traffic sources.

KEY STATS: GLOBAL MFA MOBILE BENCHMARKS

As of the end of Q2 2025; based on global open programmatic traffic, as measured by Pixalate



MFA MOBILE APPS TRAFFIC ANALYSIS



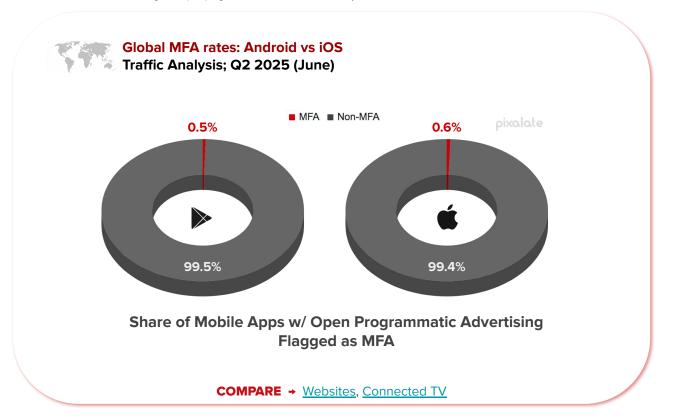
\$29M

Estimated open programmatic ad spend on mobile apps flagged as MFA in Q2 2025, per Pixalate's data

pixalate

0.5% of mobile apps with open programmatic ad traffic measured by Pixalate are flagged as MFA

As of the end of Q2 2025; based on global open programmatic traffic, as measured by Pixalate

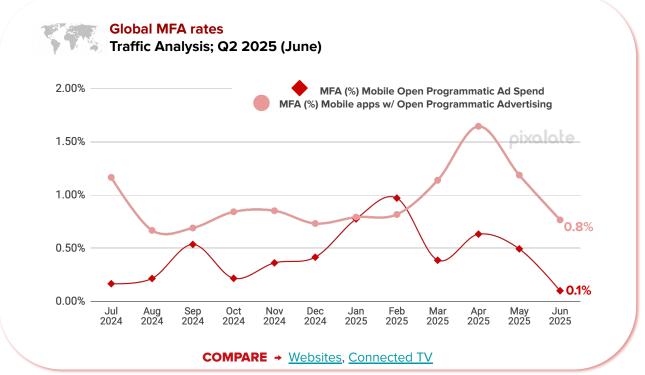


0.3%

of global open programmatic mobile ad spend went to apps flagged as MFA in Q2 2025, according to Pixalate's data.

As of June 2025, 0.8% of mobile apps with open programmatic ads were flagged as MFA

Q3 2024 - Q2 2025; based on global open programmatic traffic, as measured by Pixalate



^{*}Source: % of global open programmatic ad spend associated with mobile apps flagged as "Made-For-Advertising (MFA)" and % of mobile apps with open programmatic ad traffic flagged as "MFA"; Includes apps flagged by Pixalate as both "medium" and "high" MFA risk. See Methodology (p.17) for details on what "flagged as MFA" entails, as measured by Pixalate.



MFA MOBILE APPS APP STORE ANALYSIS



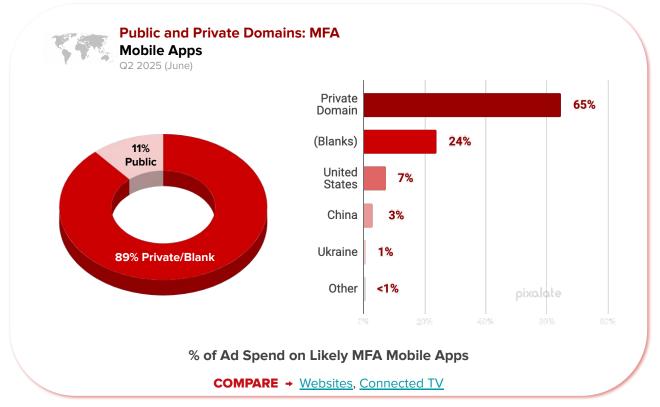
89%

of global ad spend on mobile apps flagged as MFA went to developers with private or blank domains, in Q2 2025 (June), according to Pixalate's data.

pixalate

89% of mobile MFA ad spend went to apps with private or blank domains in Q2 2025

As of the end of Q2 2025; based on global open programmatic traffic, as measured by Pixalate



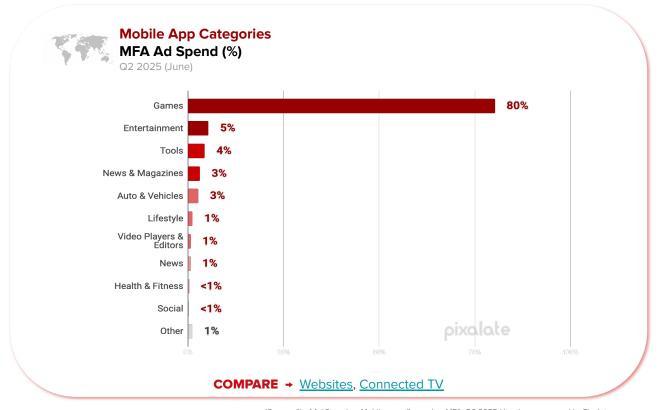
*Source:Q2 2025 (June); as measured by Pixalate

80%

80% of global ad spend on mobile apps flagged as likely MFA went to sites falling under the "Games" category, according to Pixalate's data.

80% of global ad spend that went to mobile MFAs went to apps in the "Games" category in Q2 2025

As of the end of Q2 2025; based on global open programmatic traffic, as measured by Pixalate



*Source: % of Ad Spend on Mobile apps flagged as MFA; Q2 2025 (June); as measured by Pixalate

ADDITIONAL INSIGHTS



RELATED PIXALATE REPORTS

MFA Websites Benchmarks

Analyzing global open programmatic advertising traffic on MFA websites.

Discover the latest MFA benchmarks

MFA Connected TV (CTV) Benchmarks

Analyzing global open programmatic advertising traffic on MFA Connected TV (CTV) apps.

Discover the latest MFA benchmarks →

Click Fraud Benchmarks

Exploring click-related invalid traffic (IVT), with a focus on open programmatic ad traffic across desktop web, mobile web, and mobile app.

Discover the latest click fraud benchmarks →

Programmatic Ad Seller Misrepresentation

Using Supply Chain Object (SCO) data to examine unauthorized sellers in the open programmatic advertising supply chain.

Discover the state of ad seller misrepresentation >

Malformed & Fraudulent CTV Bundle IDs

Analyzing a common CTV advertising challenge: the use of Bundle IDs to identify apps and the difficulties associated with reliably mapping these IDs to actual applications.

Discover the latest trends →



METHODOLOGY & DISCLAIMER



METHODOLOGY

HOW DOES PIXALATE FLAG MOBILE APPS AS MADE FOR ADVERTISING (MFA)?

Pixalate bases its MFA designations on actual observed traffic from its global data pool. There are a number of characteristics that Pixalate checks for mobile app detection as likely MFA:

- MFA Risk: Pixalate's assessment of the risk (High, Medium or Low) of the mobile app being deemed MFA
- Ad Refresh Rate: Number of ad impressions observed per device, per user, per minute
- Age: Age of the app on the App Store
- **Popularity Score:** Pixalate's popularity score for the app
- Reviews: Number of user reviews

Pixalate analyzes these traffic signals and flags apps as likely MFA when any of the factors are extreme outliers, calculated by analyzing quantiles for all ad impressions per app. Pixalate further classifies MFA apps as "medium" or "high" risk depending on the severity and quantity of the measured MFA signals. Pixalate flags apps as likely MFA on a per-month basis, meaning changes in advertising patterns may cause Pixalate's MFA classification of certain apps to fluctuate month over month. Pixalate continuously improves its methodologies and adapts them to emerging insights to ensure relevance and effectiveness. This ongoing process enhances the quality and impact of Pixalate's work. For more information, visit Pixalate's MFA knowledge base.

METHODOLOGY

General:

Pixalate's data science team analyzed 255K+ mobile apps across Google Play and the Apple App Store, and 27+ billion global open programmatic advertising impressions in Q2 2025 (June) to compile this research.

Pixalate's datasets — which are used exclusively to derive these insights — consist predominantly of buy-side open auction programmatic traffic sources.

Global Ad Spend Estimates (in USD)

Pixalate global open programmatic mobile ad spend figures were calculated by integrating externally sourced data with Pixalate's internally tracked metrics. In the context of this report, third-party data is used to estimate the annual dollar value for a previous year (2023). Pixalate's derived quarterly share is then applied to determine the dollar value quarterly, and proprietary estimates are utilized to determine QoQ time series in 2024 and 2025.

DISCLAIMER

The content of this report reflects Pixalate's opinions with respect to the factors that Pixalate believes can be useful to the digital media industry. Any data shared is grounded in Pixalate's proprietary technology and analytics, which Pixalate is continuously evaluating and updating. Any references to outside sources should not be construed as endorsements. Pixalate's opinions are just that, opinions, which means that they are neither facts nor quarantees.

Pixalate is sharing this data not to impugn the standing or reputation of any entity, person or app, but, instead, to report findings and trends pertaining to the time period studied.

This report–including all content set forth herein–constitutes Pixalate "Materials" under Pixalate's <u>Terms of Use</u>, and is licensed subject to–and conditioned expressly upon–compliance with each of the applicable terms and conditions of such Pixalate Terms of Use.

The following disclaimer applies to all materials produced by Pixalate, including this report, where third party logos or trademarks are specifically mentioned, displayed, or used as a point of reference or research concerning any insights derived by Pixalate: Roku logo(s) are trademarks of Roku, Inc., the Amazon Fire TV logo(s) are trademarks of Amazon.com, Inc., the Samsung logo(s) and Samsung Smart TV logo(s) are trademarks of Samsung Electronics Co., Ltd., the Apple TV logo(s) are trademarks of Apple Inc., the Google Play logo(s) are trademarks of Google LLC, and the LG logo(s) are trademarks of LG Electronics, Inc. These companies are not affiliated with, nor do they endorse or sponsor, any products, data, content, reports, materials or services associated with Pixalate. Any other brand logos, names, or trademarks not explicitly mentioned herein - but otherwise mentioned, displayed, or used in any of Pixalate's materials, including this report – are the property of their respective owners.

ABOUT PIXALATE

Pixalate is a global platform for privacy compliance, ad fraud prevention, and data intelligence in the digital ad supply chain. Founded in 2012, Pixalate's platform is trusted by regulators, data researchers, advertisers, publishers, ad tech platforms, and financial analysts across the Connected TV (CTV), mobile app, and website ecosystems. Pixalate is MRC-accredited for the detection and filtration of Sophisticated Invalid Traffic (SIVT).



www.pixalate.com

pixalate



info@pixalate.com



pixalate.com

Stay Connected







