# ANDROID

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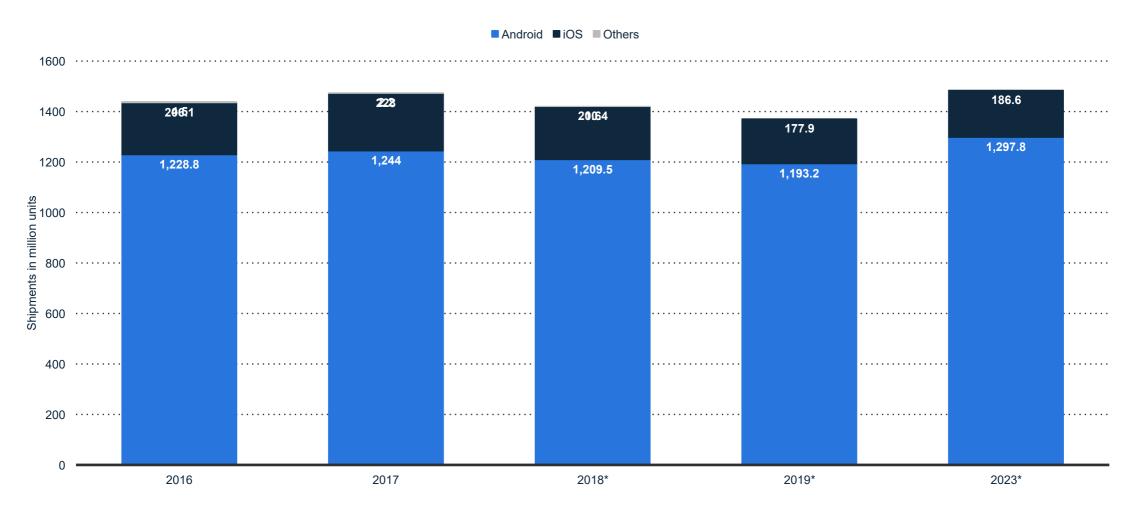
# MOBILE OS OVERVIEW

Android



#### Smartphone unit shipments worldwide by operating system from 2016 to 2023 (in million units)

Global smartphone unit shipments by operating system 2016-2023



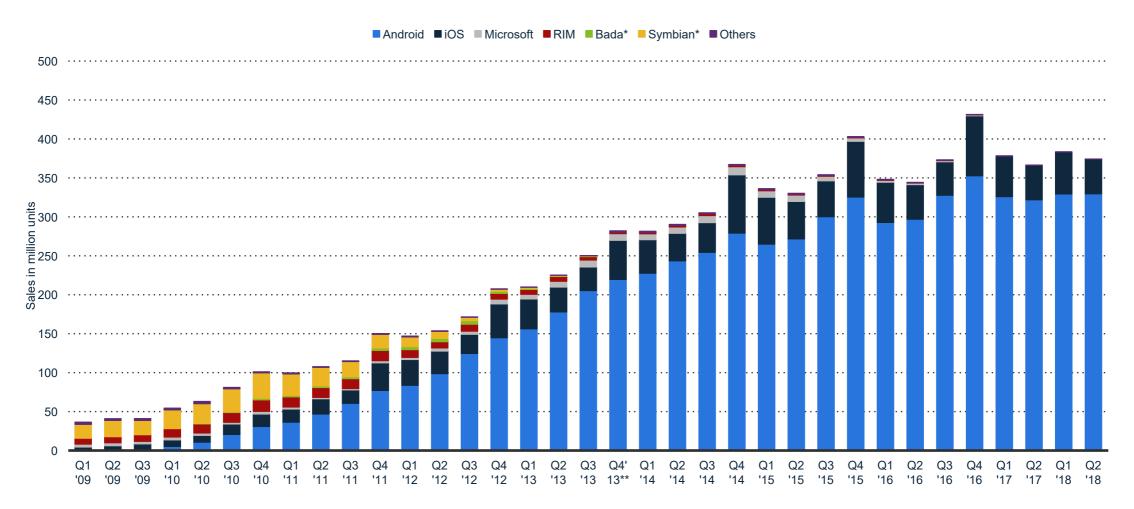
Note: Worldwide; 2016 to 2019

Further information regarding this statistic can be found on page 29.

Source(s): IDC; <u>ID 309448</u>

## Global smartphone sales to end users from 1st quarter 2009 to 2nd quarter 2018, by operating system (in million units)

Global smartphone sales by operating system 2009-2018, by quarter

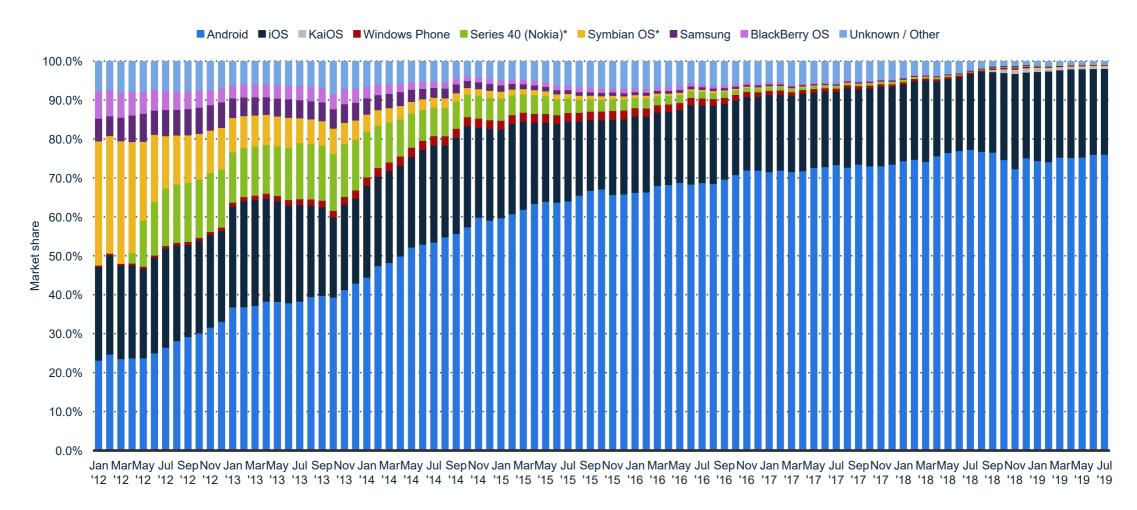


Note: Worldwide; 1st quarter 2009 to 2nd quarter 2018

Further information regarding this statistic can be found on page 30.

### Mobile operating systems' market share worldwide from January 2012 to July 2019

Market share of mobile operating systems worldwide 2012-2019



Note: Worldwide; 2012 to 2018

Further information regarding this statistic can be found on page 31.

Source(s): StatCounter; ID 272698

### Installed base of smartphones by operating system from 2015 to 2017 (in million units)

Global installed base of smartphones by operating system 2015-2017

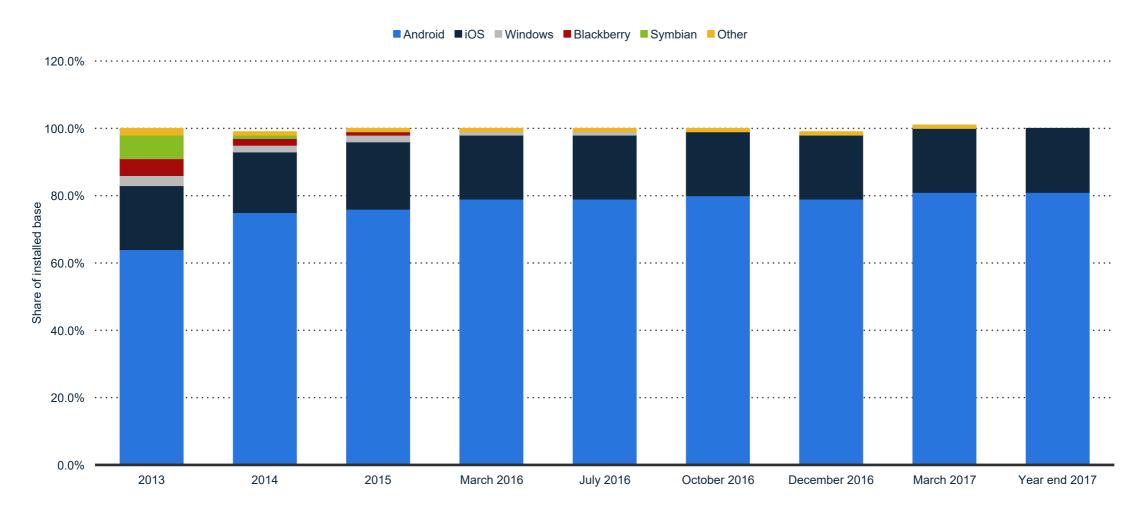


Note: Worldwide; 2015 to 2017

Further information regarding this statistic can be found on page 32. Source(s): Communities Dominate Brands (Tomi T. Ahonen); <u>ID 385001</u>

### Smartphone installed base share by operating system worldwide from 2013 to 2017

Share of global smartphone installed base by operating system 2013-2017



Note: Worldwide; 2013 to 2017

Further information regarding this statistic can be found on page 33. **Source(s):** Communities Dominate Brands (Tomi T. Ahonen); <u>ID 385022</u>

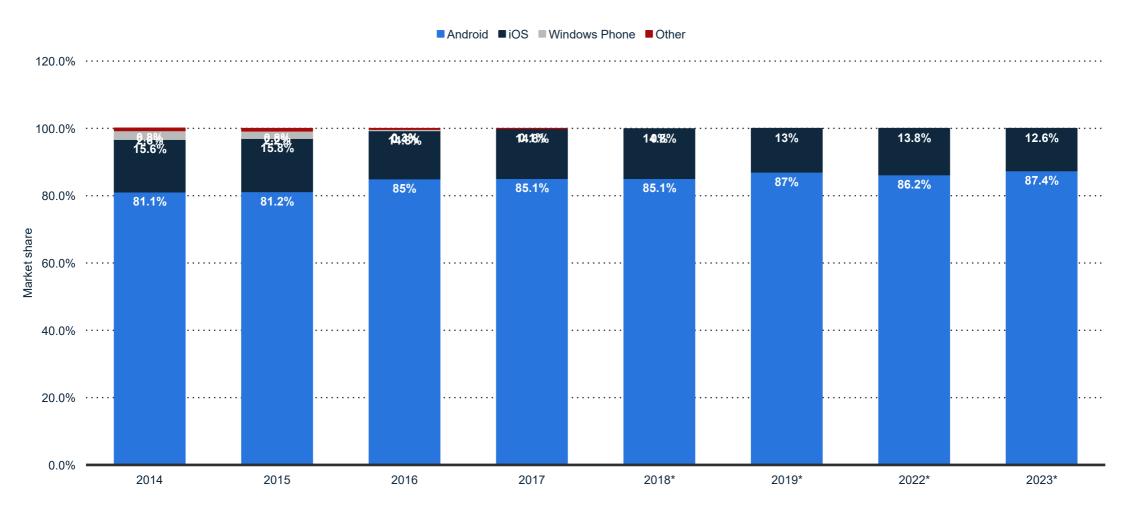
# ANDROID MOBILE DEVICES

**Android** 



### Share of global smartphone shipments by operating system from 2014 to 2023

Global market share smartphone operating systems of unit shipments 2014-2023



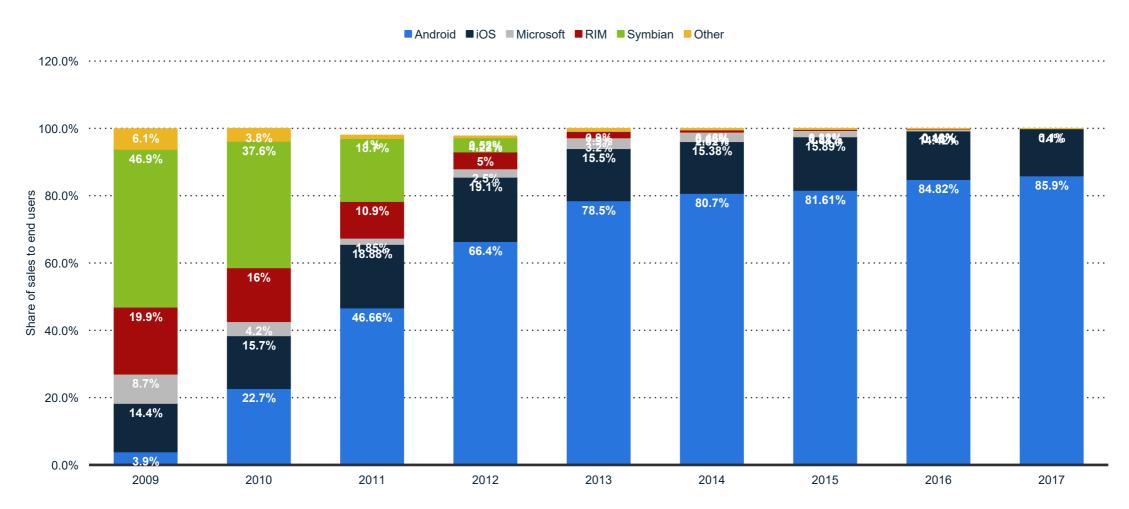
Note: Worldwide; 2014 to 2018

Further information regarding this statistic can be found on page 34.

Source(s): IDC; <u>ID 272307</u>

### Global market share held by smartphone operating systems from 2009 to 2017

Smartphone operating systems: global market share 2009-2017

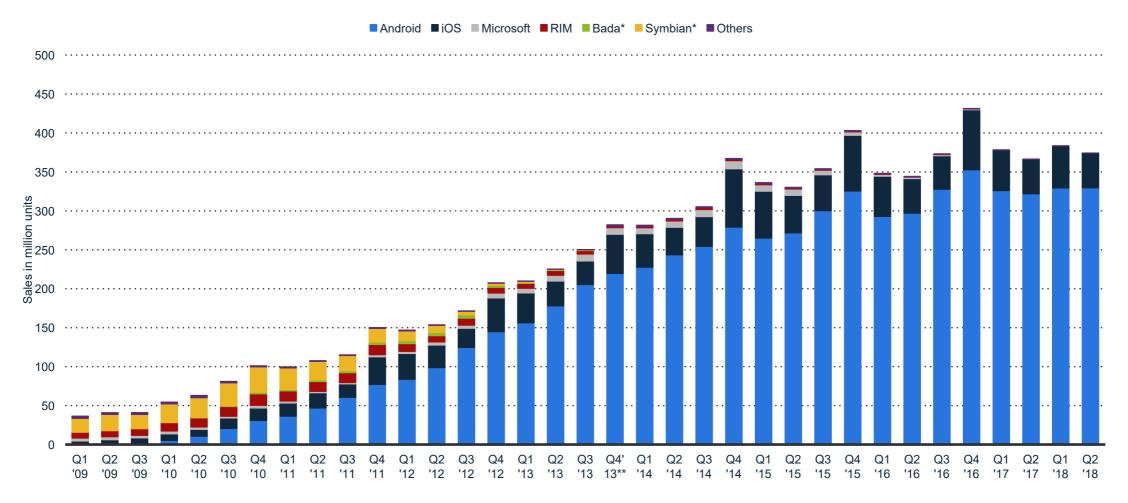


Note: Worldwide; 2009 to 2017

Further information regarding this statistic can be found on page 35

## Global smartphone sales to end users from 1st quarter 2009 to 2nd quarter 2018, by operating system (in million units)

Global smartphone sales by operating system 2009-2018, by quarter

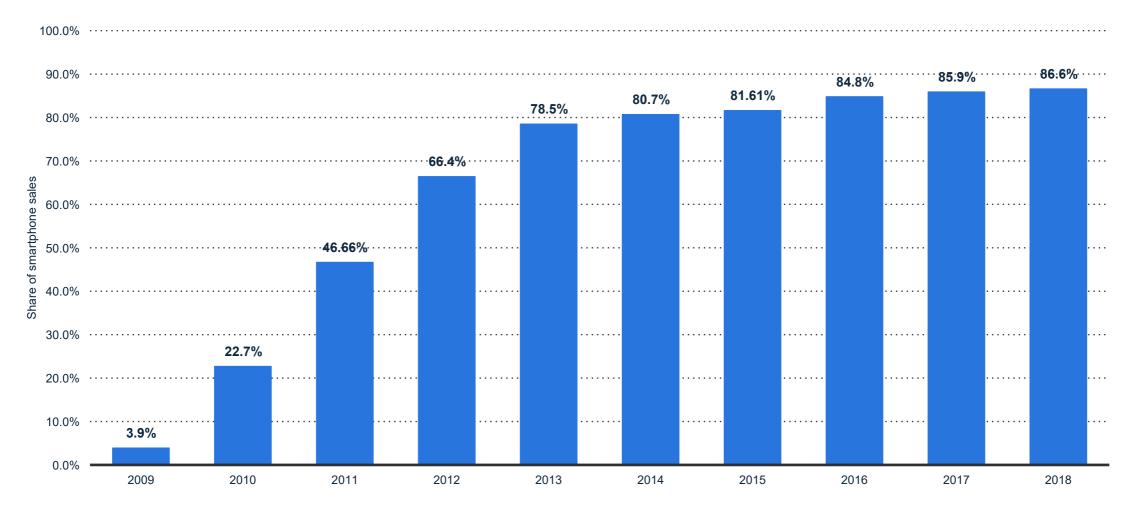


Note: Worldwide; 1st quarter 2009 to 2nd quarter 2018

Further information regarding this statistic can be found on page 36.

### Android OS market share of smartphone sales to end users from 2009 to 2018

Smartphone market share of the Android operating system 2009-2018

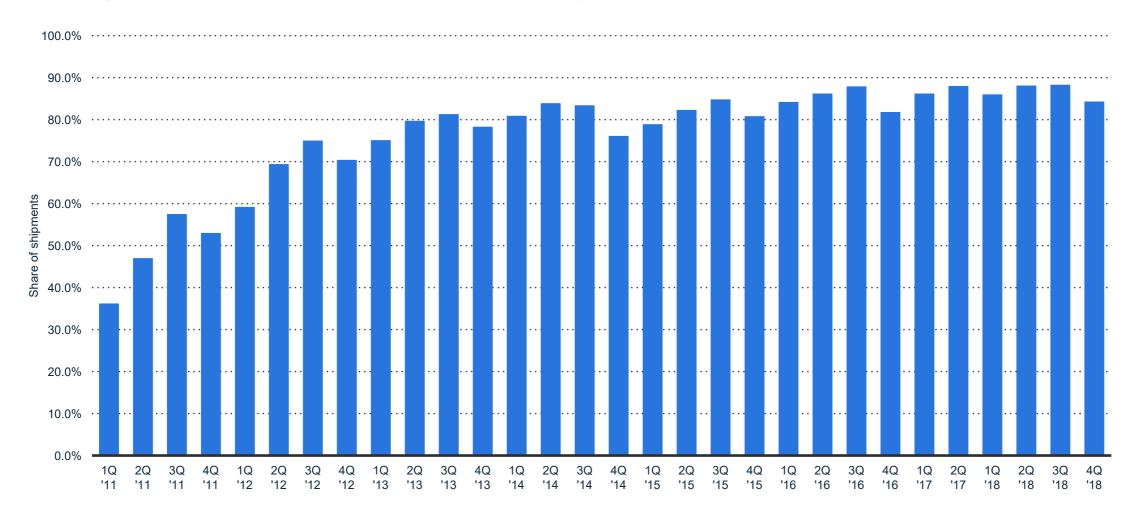


Note: Worldwide; 2009 to 2018

Further information regarding this statistic can be found on page 37

## Share of Android OS of global smartphone shipments from 1st quarter 2011 to 2nd quarter 2018\*

Android: global smartphone OS market share 2011-2018, by quarter



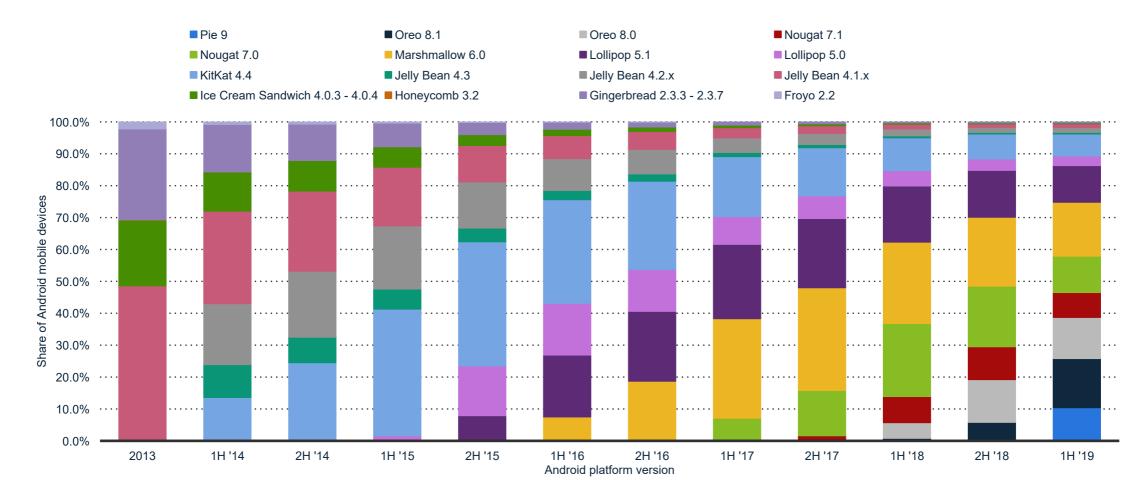
Note: Worldwide; 2011 to 2018

Further information regarding this statistic can be found on page 38.

Source(s): IDC; Gartner; ID 236027

### Android operating system share worldwide by OS version from 2013 to 2019\*

Android OS platform version market share 2013-2019



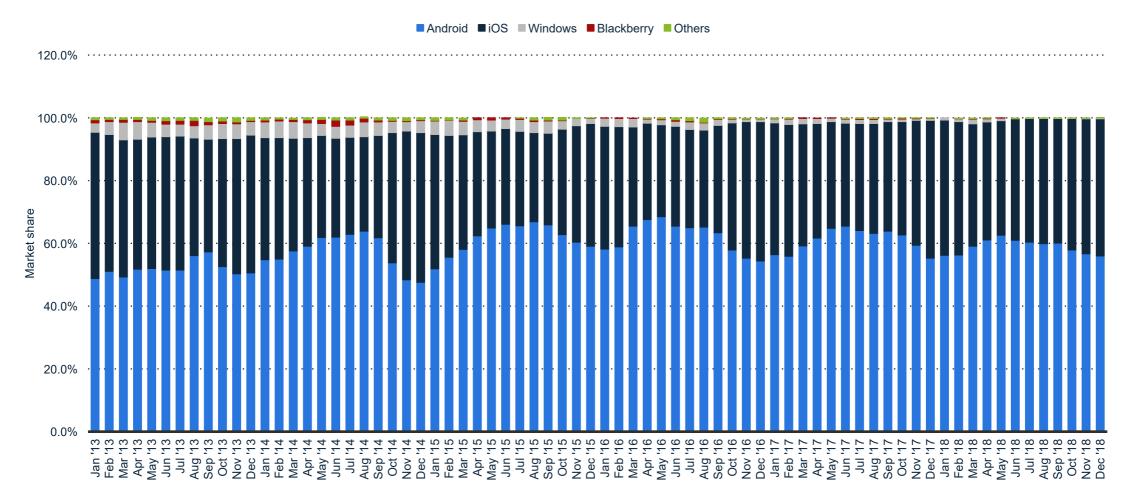
Note: Worldwide; 2013 to 2019

Further information regarding this statistic can be found on page 39.

Source(s): Android; ID 271774

#### Smartphone sales OS market share in the United States from 2013 to 2018, by month

Market share operating systems U.S. smartphone sales 2013-2018, by month



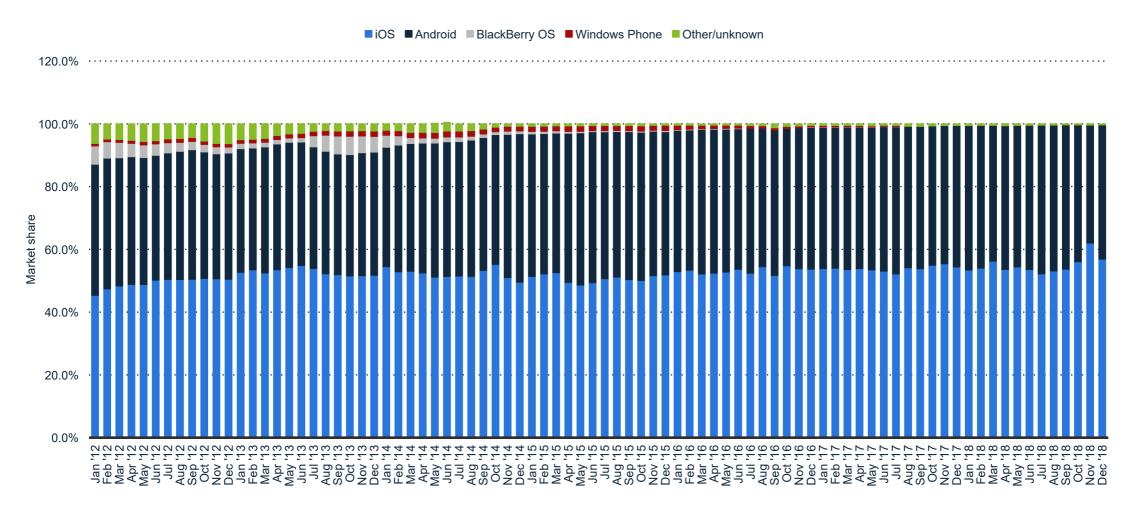
Note: United States; 2013 to 2018

Further information regarding this statistic can be found on page 40.

Source(s): Kantar Worldpanel; ID 274121

## Market share of mobile operating systems in the United States from January 2012 to December 2018\*

Share of mobile operating systems in the United States 2012-2018, by month



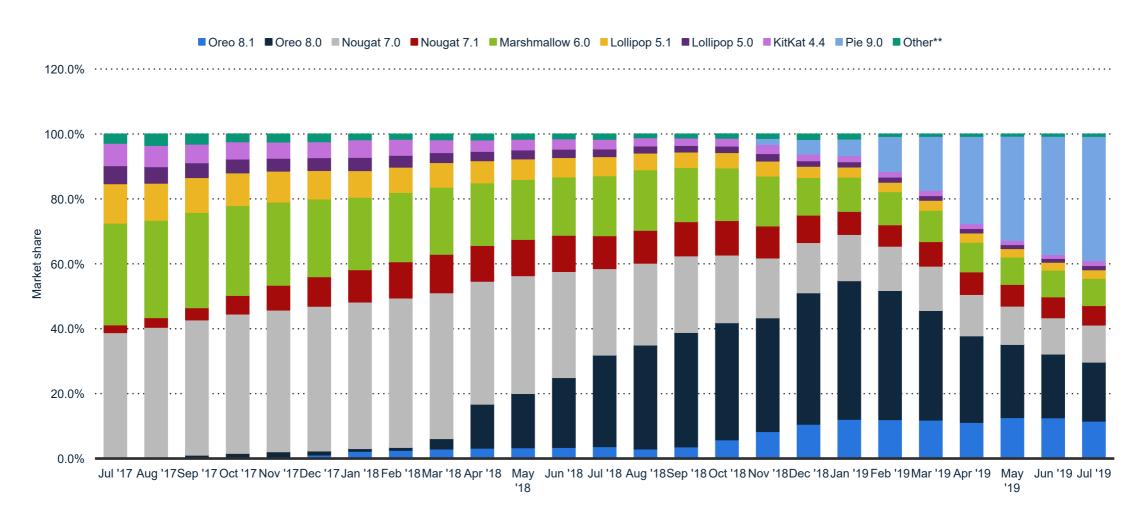
Note: United States; 2012 to 2018

Further information regarding this statistic can be found on page 41.

Source(s): StatCounter; ID 272700

## Mobile Android operating system market share by version in the United States from July 2017 to July 2019\*

Mobile Android version market share in the United States 2017-2019



Note: United States; 2017 to 2019

Further information regarding this statistic can be found on page 42.

Source(s): StatCounter; ID 865837

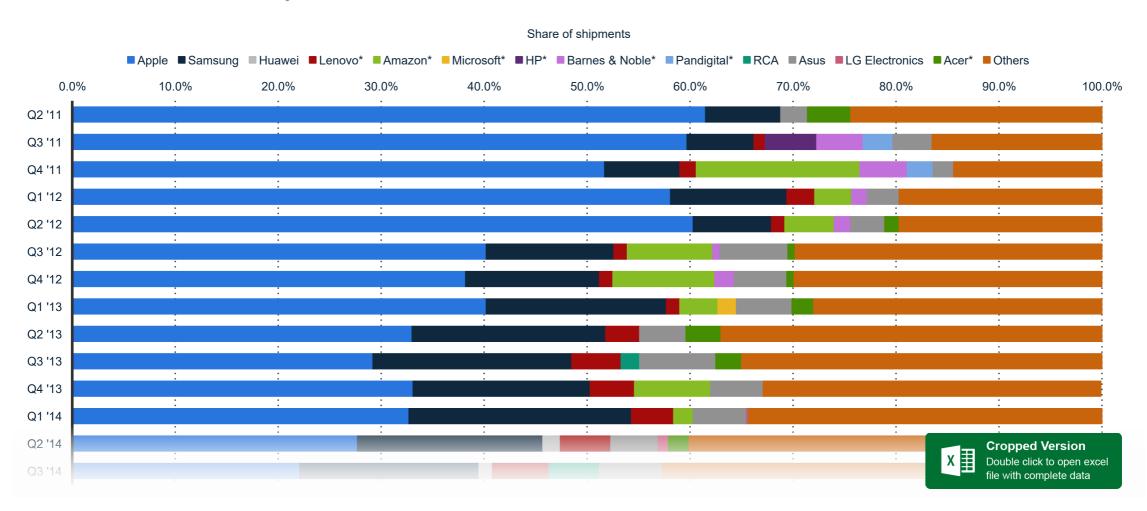
# ANDROID TABLETS

Android



## Tablet shipments market share by vendor worldwide from 2nd quarter 2011 to 3rd quarter 2019\*

Global market share held by tablet vendors 2011-2019



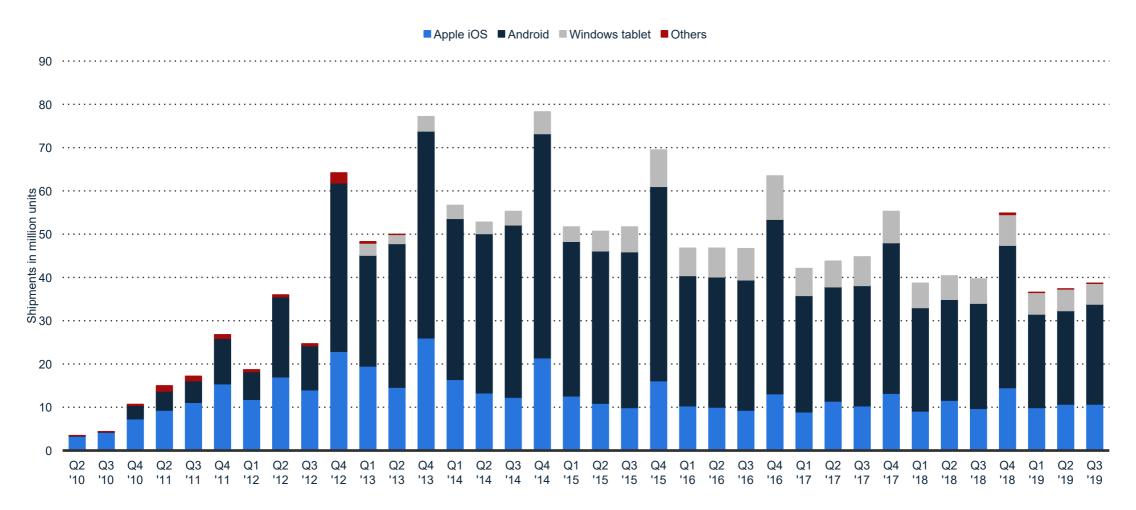
Note: Worldwide; 2011 to 2019

Further information regarding this statistic can be found on page 43.

Source(s): IDC; ID 276635

### Tablet shipments worldwide by operating system from 2010 to 2019 (in million units)

Global tablet shipments by operating system per quarter 2010-2019



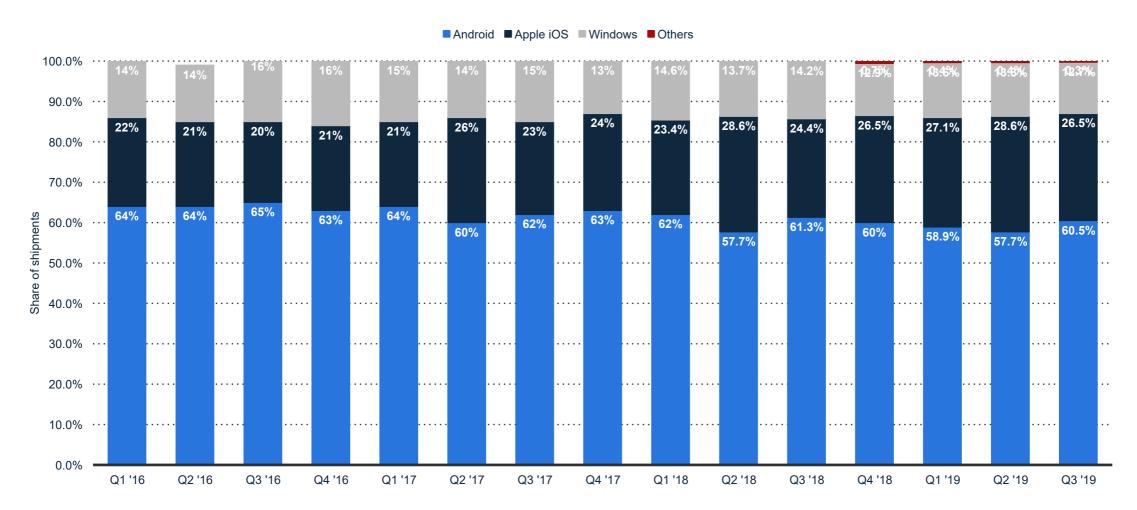
Note: Worldwide; 2010 to 2019

Further information regarding this statistic can be found on page 44.

Source(s): Strategy Analytics; ID 273268

### Tablet operating systems market share worldwide from 1Q'16 to 3Q'19

Tablet OS market share worldwide 2016-2019, by quarter



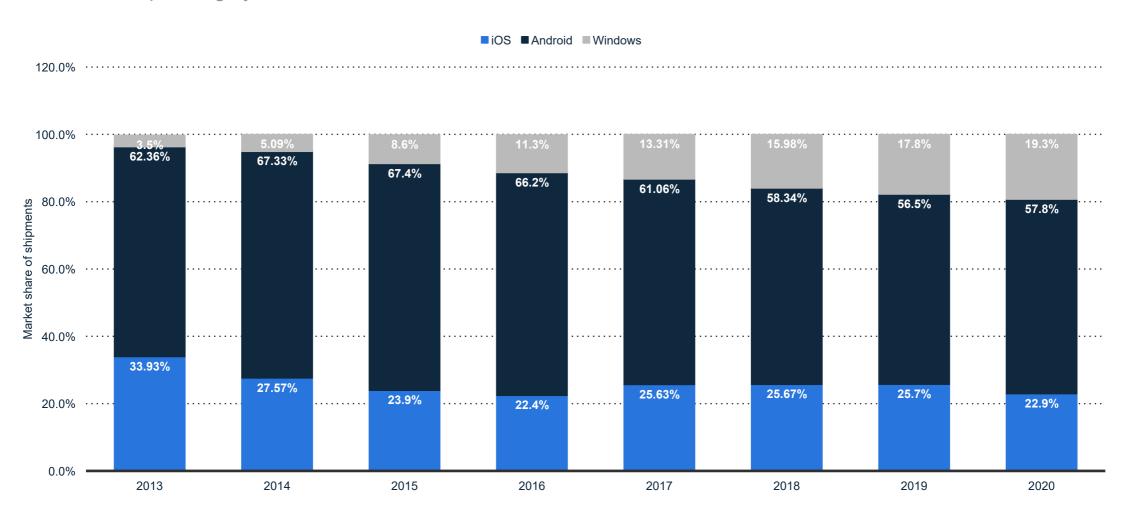
Note: Worldwide; 2016 to 2019

Further information regarding this statistic can be found on page 45.

Source(s): Strategy Analytics; ID 273840

### Tablet operating systems' market share worldwide from 2013 to 2020

Global tablet operating system market share forecast 2013-2020



Note: Worldwide; 2014 to 2016

Further information regarding this statistic can be found on page 46

Source(s): IDC; ID 272446

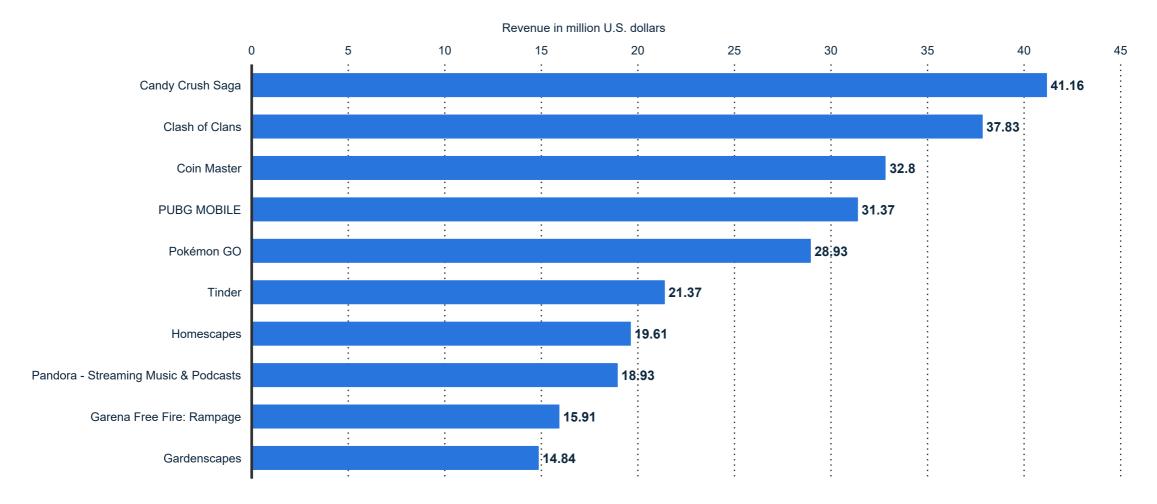
# ANDROID APPS

Android



## Leading Android apps in the Google Play Store worldwide in June 2019, by revenue (in million U.S. dollars)

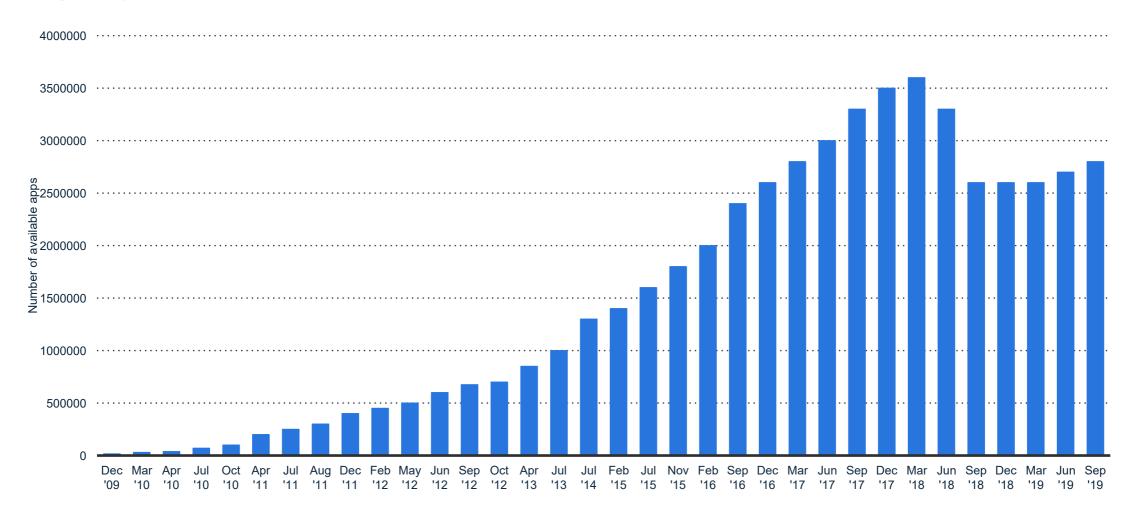
Leading Android apps worldwide 2019, by revenue



**Note:** Worldwide; June 2019; total revenue in Google Play Store Further information regarding this statistic can be found on <a href="mailto:page 47">page 47</a>. **Source(s):** Priori Data; ID 271674

## Number of available applications in the Google Play Store from December 2009 to September 2019

Google Play: number of available apps 2009-2019

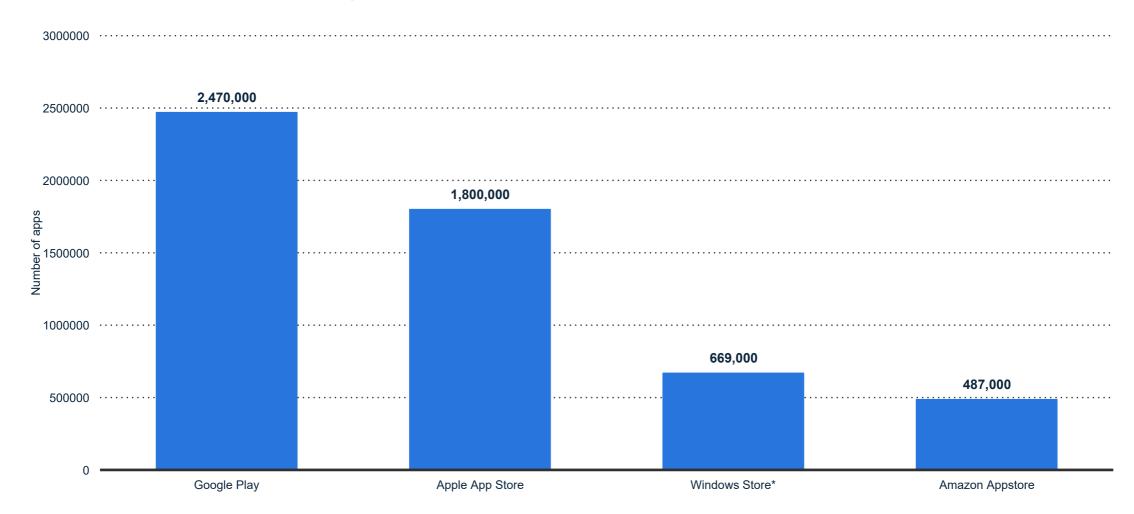


Note: Worldwide; December 2009 to September 2019; figures have been rounded

Further information regarding this statistic can be found on page 48 Source(s): Android; Google; App Annie; AppBrain; ID 266210

### Number of apps available in leading app stores as of 3rd quarter 2019

Number of apps available in leading app stores 2019



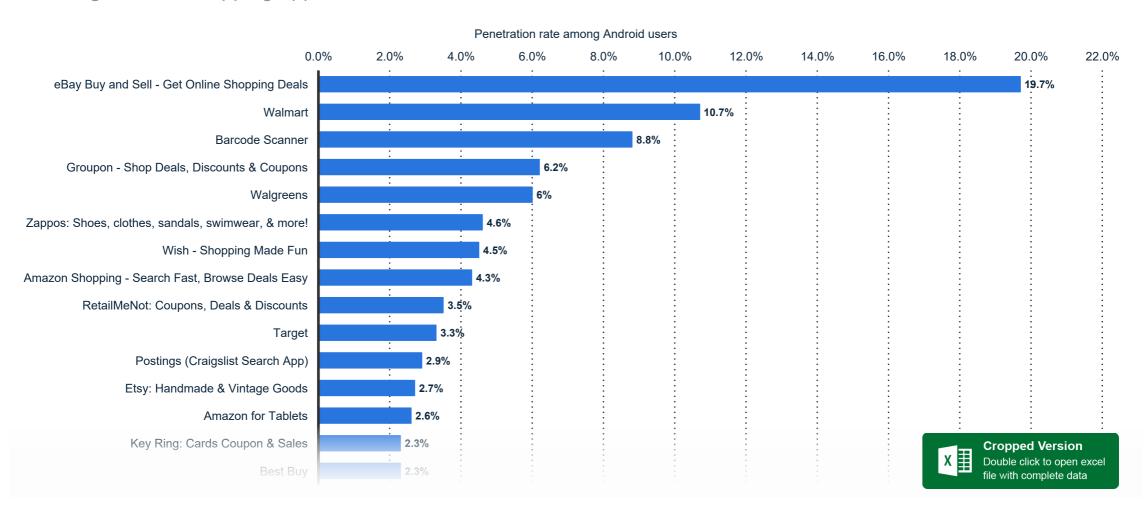
Note: Worldwide; Q3 2019; last reported figures

Further information regarding this statistic can be found on page 49.

Source(s): Appfigures; VentureBeat; ID 276623

## Market reach of the most popular Android retail apps in the United States as of September 2019

Leading Android shopping app reach in the United States 2019



**Note:** United States; September 2019; data based on a sample device count of 1,753 mobile devices; smartphone, phablet and tablets Further information regarding this statistic can be found on page 50.

**Source(s):** Shared2you; <u>ID 515343</u>

## Most popular Google Play app store categories from 1st quarter 2016 to 3rd quarter 2019, by number of downloads (in millions)

Leading Google Play app categories 2016-2019, by download volume

	Game	Tools	Entertainment	Social	Communication	Photography
Q1 '16	5,530	1,110	621	-	741	729
Q2 '16	5,280	1,160	613	-	786	731
Q3 '16	6,060	1,210	684	-	831	788
Q4 '16	6,250	1,300	874	-	931	830
Q1 '17	6,910	1,250	974	-	1,040	888
Q2 '17	6,760	1,300	967	-	958	849
Q3 '17	7,040	1,220	1,010	-	1,010	892
Q4 '17	7,030	1,290	1,010	698	1,020	883
Q1 '18	7,150	1,240	1,080	686	910	-
Q2 '18	7,840	1,300	1,150	749	936	858
Q3 '18	7,180	1,450	1,370	939	1,100	951
Q4 '18	7,250	1,470	1,410	1,070	1,130	-
Q1 '19	7,470	1,470	1,480	1,050	1,060	-
Q2 '19	8,210	1,450	1,380	1,040	1,010	-
Q3 '19	8,690	1,490	1,200	1,000	972	-

# REFERENCES

Android



#### Smartphone unit shipments worldwide by operating system from 2016 to 2023 (in million units)

Global smartphone unit shipments by operating system 2016-2023

#### Source and methodology information

Source(s) IDC
Conducted by IDC

Survey period 2016 to 2019

Region(s) Worldwide

Number of respondents n.a.

Age group n.a.

Special characteristics n.a.

Published by IDC

Publication date September 2019

Original source idc.com

Website URL visit the website

#### Notes:

\*Forecast

Back to statistic

## Global smartphone sales to end users from 1st quarter 2009 to 2nd quarter 2018, by operating system (in million units)

Global smartphone sales by operating system 2009-2018, by quarter

#### Source and methodology information

Source(s) Gartner
Conducted by Gartner

Survey period 1st quarter 2009 to 2nd quarter 2018

Region(s) Worldwide

Number of respondents n.a. Age group n.a. Special characteristics n.a.

Published by Gartner

Publication date August 2018

Original source gartner.com

Website URL visit the website

#### Notes:

\* The source does not provide information for every quarter. \*\* Figure for 'Others' includes sales if Bada and Symbian phones for Q4' 2013.

Back to statistic

### Mobile operating systems' market share worldwide from January 2012 to July 2019

Market share of mobile operating systems worldwide 2012-2019

#### Source and methodology information

Source(s) StatCounter

Conducted by StatCounter
Survey period 2012 to 2018

Region(s) Worldwide

Number of respondents *n.a.* 

Age group n.a.

Special characteristics n.a

Published by StatCounter

Publication date August 2019

Original source gs.statcounter.com

Website URL visit the website

#### Notes:

StatCounter calculates the data based on more than 1.7 billion page views per month worldwide. StatCounter defines a mobile device as a pocket-sized computing device. As a result, tablets are not included. \* StatCounter: "Nokia devices (including some S40 devices) had been grouped largely under Symbian OS. With assistance from Nokia and a number of individual users, this error was corrected on 23rd April 2012 and from that date all Nokia devices are now tracked as Symbian or S40 or Meego as appropriate".

Back to statistic

31 References

#### Installed base of smartphones by operating system from 2015 to 2017 (in million units)

Global installed base of smartphones by operating system 2015-2017

#### Source and methodology information

Source(s) Communities Dominate Brands (Tomi T. Ahonen)

Conducted by Communities Dominate Brands (Tomi T. Ahonen)

Survey period 2015 to 2017

Region(s) Worldwide

Number of respondents n.a.

Age group n.a.

Special characteristics n.a.

Published by Communities Dominate Brands (Tomi T. Ahonen)

Publication date February 2018

Original source communities-dominate.blogs.com

Website URL visit the website

#### Notes:

n.a.

Back to statistic

# Smartphone installed base share by operating system worldwide from 2013 to 2017

Share of global smartphone installed base by operating system 2013-2017

## Source and methodology information

Source(s) Communities Dominate Brands (Tomi T. Ahonen)

Conducted by Communities Dominate Brands (Tomi T. Ahonen)

Survey period 2013 to 2017

Region(s) Worldwide

Number of respondents n.a.

Age group n.a.

Special characteristics n.a.

Published by Communities Dominate Brands (Tomi T. Ahonen)

Publication date May 2017

Original source communities-dominate.blogs.com

Website URL visit the website

#### Notes:

n.a.

# Share of global smartphone shipments by operating system from 2014 to 2023

Global market share smartphone operating systems of unit shipments 2014-2023

## Source and methodology information

Source(s) IDC
Conducted by IDC

Survey period 2014 to 2018
Region(s) Worldwide

Number of respondents n.a.

Age group n.a.

Special characteristics n.a.

Published by IDC

Publication date September 2019

Original source idc.com

Website URL visit the website

#### Notes:

\*Forecast

# Global market share held by smartphone operating systems from 2009 to 2017

Smartphone operating systems: global market share 2009-2017

## Source and methodology information

Source(s) Gartner

Conducted by Gartner

Survey period 2009 to 2017

Region(s) Worldwide

Number of respondents n.a.

Age group n.a.

Special characteristics n.a.

Publication date February 2018

Original source gartner.com

Website URL visit the website

Gartner

Published by

#### Notes:

n.a.

# Global smartphone sales to end users from 1st quarter 2009 to 2nd quarter 2018, by operating system (in million units)

Global smartphone sales by operating system 2009-2018, by quarter

## Source and methodology information

Source(s) Gartner
Conducted by Gartner

Survey period 1st quarter 2009 to 2nd quarter 2018

Region(s) Worldwide

Number of respondents n.a.

Age group n.a.

Special characteristics n.a.

Published by Gartner

Publication date August 2018

Original source gartner.com

Website URL visit the website

#### Notes:

\* The source does not provide information for every quarter. \*\* Figure for 'Others' includes sales if Bada and Symbian phones for Q4' 2013.

# Android OS market share of smartphone sales to end users from 2009 to 2018

Smartphone market share of the Android operating system 2009-2018

## Source and methodology information

Gartner Source(s) Conducted by Gartner Survey period 2009 to 2018 Worldwide Region(s) Number of respondents n.a. Age group n.a. Special characteristics Published by Gartner Publication date February 2019

gartner.com

visit the website

Original source

Website URL

#### Notes:

n.a.

# Share of Android OS of global smartphone shipments from 1st quarter 2011 to 2nd quarter 2018\*

Android: global smartphone OS market share 2011-2018, by quarter

## Source and methodology information

Source(s) IDC; Gartner
Conducted by IDC; Gartner
Survey period 2011 to 2018

Worldwide

Number of respondents n.a.

Age group n.a.

Special characteristics n.a.

Region(s)

Published by IDC; Gartner

Publication date February 2019

Original source gartner.com

Website URL visit the website

#### Notes:

\* From 1Q14 onwards data from Gartner has been used as the source. Data for previous quarters is taken from IDC

# Android operating system share worldwide by OS version from 2013 to 2019\*

Android OS platform version market share 2013-2019

May 2019

## Source and methodology information

Source(s) Android

Conducted by Android

Survey period 2013 to 2019

Region(s) Worldwide

Number of respondents *n.a.* 

Age group n.a.

Special characteristics n.a

Publication date

Published by Android

Original source android.com

Website URL visit the website

#### Notes:

\* 1H '14 - June 4, 2014; 2H '14 - October 8th, 2014; 1H '15 - February 2nd, 2015; 2H '15; 2H '15 - October 19th, 2015; 1H '16 - May 2nd, 2016; 2H '16 - September 5th, 2016; 1H '17 - May 2, 2017; 2H '17 - September 11, 2017; 1H '18 - May 7th, 2018; 2H '18 - September 28th, 2018; 1H '19 - May 7th, 2019

# Smartphone sales OS market share in the United States from 2013 to 2018, by month

Market share operating systems U.S. smartphone sales 2013-2018, by month

## Source and methodology information

Source(s) Kantar Worldpanel

Conducted by Kantar Worldpanel

Survey period 2013 to 2018

Region(s) United States

Number of respondents n.a.

Age group n.a.

Special characteristics n.a

Published by Kantar Worldpanel

Publication date January 2019

Original source kantarworldpanel.com

Website URL visit the website

#### Notes:

\* ComTech tracks mobile phone behaviour, including purchasing of phones, mobile phone bills/airtime, source of purchase and phone usage. The data excludes enterprise sales.s

# Market share of mobile operating systems in the United States from January 2012 to December 2018\*

Share of mobile operating systems in the United States 2012-2018, by month

### Source and methodology information

Source(s) StatCounter

Conducted by StatCounter

Survey period 2012 to 2018

Region(s) United States

Number of respondents n.a.Age group n.a.Special characteristics n.a.

Published by StatCounter

Publication date January 2019

Original source statcounter.com

Website URL visit the website

#### Notes:

\* Stats are based on aggregate data collected by StatCounter on a sample exceeding 15 billion page views per month collected from across the StatCounter network of more than 3 million websites.

# Mobile Android operating system market share by version in the United States from July 2017 to July 2019\*

Mobile Android version market share in the United States 2017-2019

### Source and methodology information

Source(s) StatCounter

Conducted by StatCounter
Survey period 2017 to 2019

Region(s) United States

Number of respondents n.a.

Age group n.a.

Special characteristics n.

Published by StatCounter

Publication date August 2019

Original source gs.statcounter.com

Website URL visit the website

#### Notes:

\* Stats are based on aggregate data collected by StatCounter on a sample exceeding 10 billion pageviews per month collected from across the StatCounter network of more than 2 million websites. \*\* Other includes all versions with a share of less than one percent (4.3 Jelly Bean 4.1 Jelly Bean 2.3 Gingerbread 4.2 Jelly Bean 4.0 Ice Cream Sandwich 2.2 Froyo 6.1 Marshmallow)

# Tablet shipments market share by vendor worldwide from 2nd quarter 2011 to 3rd quarter 2019\*

Global market share held by tablet vendors 2011-2019

## Source and methodology information

Source(s) IDC
Conducted by IDC

Survey period 2011 to 2019

Region(s) Worldwide

Number of respondentsn.a.Age groupn.a.Special characteristicsn.a.Published byIDC

Publication date October 2019

Original source idc.com

Website URL visit the website

#### Notes:

\* The source does not provide data for every quarter.

# Tablet shipments worldwide by operating system from 2010 to 2019 (in million units)

Global tablet shipments by operating system per quarter 2010-2019

## Source and methodology information

Source(s) Strategy Analytics Conducted by Strategy Analytics

Survey period 2010 to 2019 Worldwide

Number of respondents n.a.

Region(s)

Age group n.a.

Special characteristics

Published by Strategy Analytics Publication date November 2019

Original source strategyanalytics.com

Website URL visit the website

#### Notes:

The source does not provide information on tablet shipments in Q1 2011 and Q1 2012, as well as Q3 2013.

# Tablet operating systems market share worldwide from 1Q'16 to 3Q'19

Tablet OS market share worldwide 2016-2019, by quarter

## Source and methodology information

Source(s) Strategy Analytics
Conducted by Strategy Analytics
Survey period 2016 to 2019
Region(s) Worldwide

Number of respondents n.a.

Age group n.a.

Special characteristics n.a.

Published by Strategy Analytics
Publication date November 2019

Original source strategyanalytics.com

Website URL visit the website

#### Notes:

n.a.

# Tablet operating systems' market share worldwide from 2013 to 2020

Global tablet operating system market share forecast 2013-2020

## Source and methodology information

Source(s) IDC
Conducted by IDC

Survey period 2014 to 2016
Region(s) Worldwide

Number of respondentsn.a.Age groupn.a.Special characteristicsn.a.Published byIDC

Publication date August 2016

Original source idc.com

Website URL visit the website

#### Notes:

n.a.

# Leading Android apps in the Google Play Store worldwide in June 2019, by revenue (in million U.S. dollars)

Leading Android apps worldwide 2019, by revenue

## Source and methodology information

Source(s) Priori Data
Conducted by Priori Data
Survey period June 2019
Region(s) Worldwide

Number of respondents n.a. Age group n.a.

Special characteristics total revenue in Google Play Store

Published by Priori Data

Publication date July 2019

Original source prioridata.com

Website URL visit the website

#### Notes:

Figures were rounded.

# Number of available applications in the Google Play Store from December 2009 to September 2019

Google Play: number of available apps 2009-2019

### Source and methodology information

Source(s) Android; Google; App Annie; AppBrain

Conducted by Google; Android; App Annie

Survey period December 2009 to September 2019

Region(s) Worldwide

Number of respondents n.a.

Age group n.a.

Special characteristics figures have been rounded

Published by AppBrain

Publication date September 2019

Original source appbrain.com

Website URL visit the website

#### Notes:

Google's June 2012 figures were announced at the company's I/O Conference on June 27, 2012. July 2013 data were from Google's Android and Chrome summer announcement in July 2013. In summer 2018, Google removed a large amount of apps from its Google Play platform, mostly due to an updated version of the company's Developer Policy.

# Number of apps available in leading app stores as of 3rd quarter 2019

Number of apps available in leading app stores 2019

### Source and methodology information

Source(s) Appfigures; VentureBeat

Conducted by Appfigures; VentureBeat

Survey period Q3 2019

Region(s) Worldwide

Number of respondents n.a.

Age group n.a.

Special characteristics last reported figures

Published by Appfigures; VentureBeat

Publication date October 2019

Original source appfigures.com

Website URL visit the website

#### Notes:

Figures have been rounded. Google Play, Apple App Store and Amazon Appstore figures as of Q2 2019 by appfigures. \*Windows Store figures as of March 2016 and include phones, desktop and tablet devices. As of Q2 2019, there are no other figures available for Windows Store.

# Market reach of the most popular Android retail apps in the United States as of September 2019

Leading Android shopping app reach in the United States 2019

## Source and methodology information

Source(s) Shared2you

Conducted by Shared2you

Survey period September 2019

Region(s) United States

Number of respondents n.a. Age group n.a.

Special characteristics data based on a sample device count of 1,753 mobile devices; smartphone, phablet

and tablets

Published by Shared2you

Publication date October 2019

Original source shared2you.com

Website URL yisit the website

#### Notes:

n.a.

# Most popular Google Play app store categories from 1st quarter 2016 to 3rd quarter 2019, by number of downloads (in millions)

Leading Google Play app categories 2016-2019, by download volume

## Source and methodology information

Source(s) Sensor Tower

Survey period Q1 2016 to Q3 2018

Region(s) Worldwide

Number of respondents *n.a.* 

Conducted by

Age group n.a.

Special characteristics excluding pre-installed Google apps; excluding third-party stores; unique installs only

Published by Sensor Tower

Publication date October 2019

Original source Store Intelligence Q3 2019 Data Digest, page 29

Sensor Tower

Website URL visit the website

#### Notes:

Data not available for missing quarters.