iOS 9.3

# MONTHLY
# DATA REPORT
## March 2016

Apteligent

# NEW IN iOS 9.3

**iOS 9.3 is Apple's largest mid-cycle release in a long time. iOS 10 is still expected this fall, but in the meantime Apple has given its iOS user base a plethora of new functionality.**

**Night Shift** changes the display to warmer tones in the evening to improve sleep.

**HealthKit** added functionality for developers to more easily summarize workouts while also highlighting apps that connect to it.
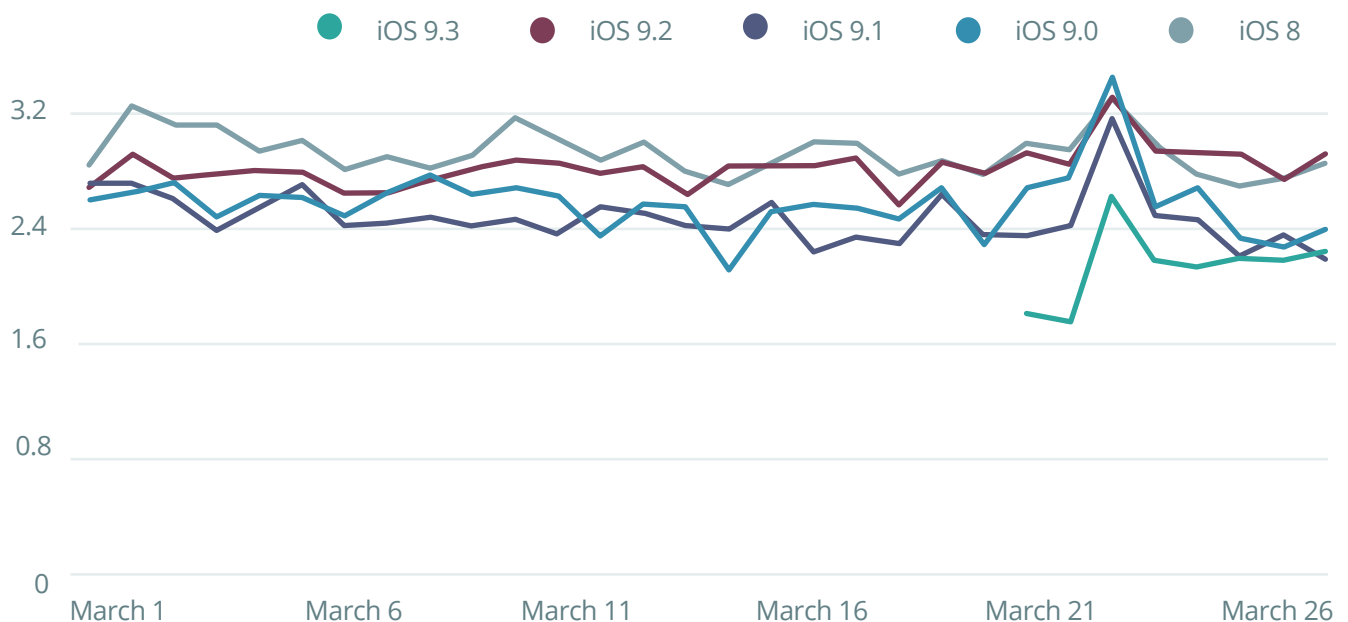
**CarPlay** improvements include new Music features and the ability to lookup nearby places to stop on Maps.

A **multi-login preview** was released that allows students to maintain a profile and provides tools for teachers to manage the classroom. You can now **pair more than one Apple Watch to the same iPhone. Siri supports three new languages** (more on that below).

Finally there were a slew of other miscellaneous updates, like **password protection for Notes, the expansion of 3D touch** capabilities (most notably a shortcut to update apps), and even better **personalized news**.

# THE ISSUES WITH
## iOS 9.3 have been
# GREATLY EXAGGERATED.

**iOS Crash Rate by Version**

● iOS 9.3    ● iOS 9.2    ● iOS 9.1    ● iOS 9.0    ● iOS 8

(Line chart showing iOS crash rate by version from March 1 to March 26. Y-axis values: 0, 0.8, 1.6, 2.4, 3.2. X-axis labels: March 1, March 6, March 11, March 16, March 21, March 26.)

There's a bug in iOS 9.3 causing apps to crash after attempting to open links. Apparently this is caused by 3rd party apps registering too many deep links, also known as Universal Links. One of those 3rd party apps is Booking.com. If you tap on a Booking.com link in an e-mail, it opens the app vs the mobile website. Unfortunately this app has been targeted and it's reviews have since dropped from 4.5 stars to 2 stars after the iOS 9.3 release.

Apple has released a statement saying a fix should be out shortly. Usually after a major release, such as iOS 8 or iOS 9, an update with bug fixes appears a week later. It is a bit surprising we haven't yet seen the patch, which is imminently expected, but I think this also supports the point that the issue has been blown out of proportion.
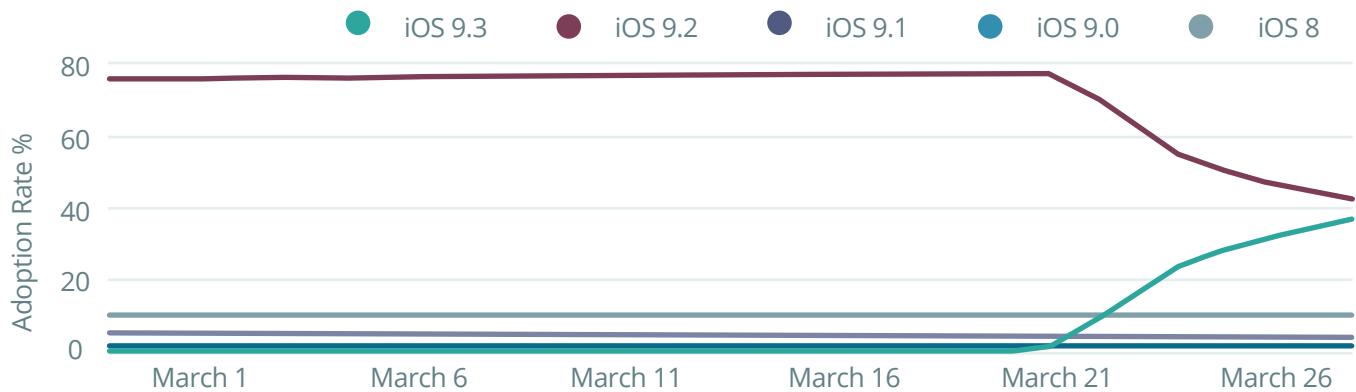
Despite this bug, **iOS 9.3 stands as Apple's most stable new release in years**. The average crash rate over the past eight days is 2.2%, by far the most stable iOS version. For the sake of comparison, that's better than any current Android release, including the most recent Android Marshmallow, which stands at 2.6%.

## Android Crash Rate by Version



● Ice Cream Sandwich 4.0   ● Lolipop 5.0:5:1   ● Jelly Bean 4.1:4.3   ● KitKat 4.4   ● Marshmallow 6.0
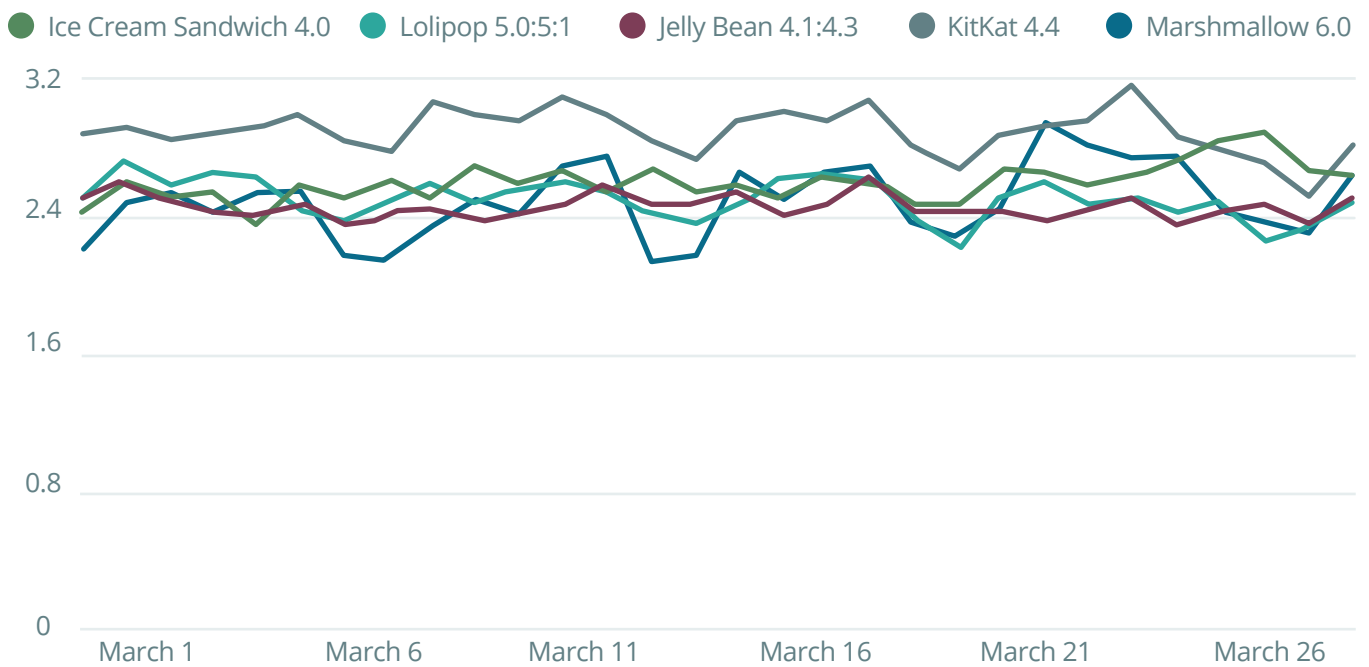
# iOS ADOPTION RATES
## on target



Legend: iOS 9.3 · iOS 9.2 · iOS 9.1 · iOS 9.0 · iOS 8

The adoption rate is faster than iOS 8 but similar to iOS 9.0, which currently stands at about 37.5% of devices. One week later adoption was:
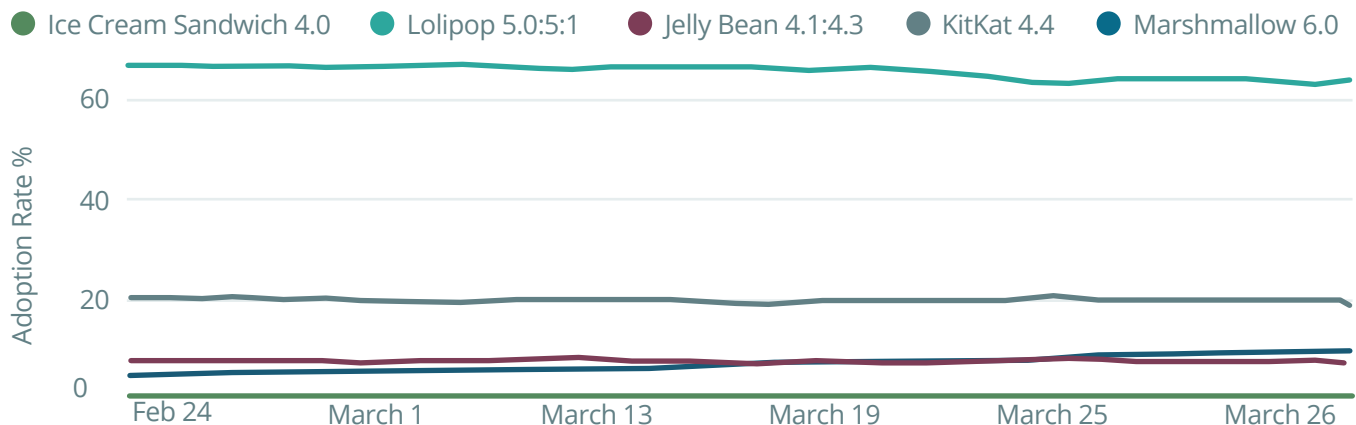
**27%**
iOS8

**34%**
iOS9

**35%**
iOS9.3

**We predict iOS 9.3 will hit 50% adoption by April 14th.**

On the other hand, Android updates continue to be stalled at the hands of the OEMs and carriers, with Android Marshmallow at about 10% adoption.



Legend: Ice Cream Sandwich 4.0 · Lolipop 5.0:5:1 · Jelly Bean 4.1:4.3 · KitKat 4.4 · Marshmallow 6.0
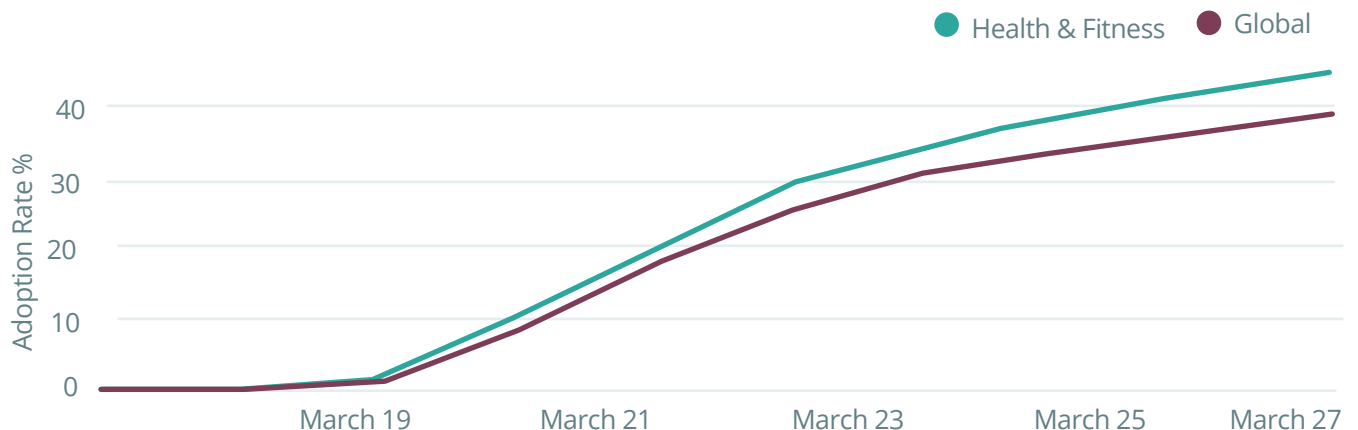
# UPDATES TO
## Siri and HealthKit

Since the Speech Interpretation and Recognition Interface (also known as Siri) now has language support for **Finnish, Malay, and Hebrew,** here's a look at iOS 9.3 adoption in their respective countries of origin compared to the United States. The data shows that users in those regions have been slower to trigger the update and take advantage of the new language features.

### iOS 9.3 Adoption Rates in Selected Coutries
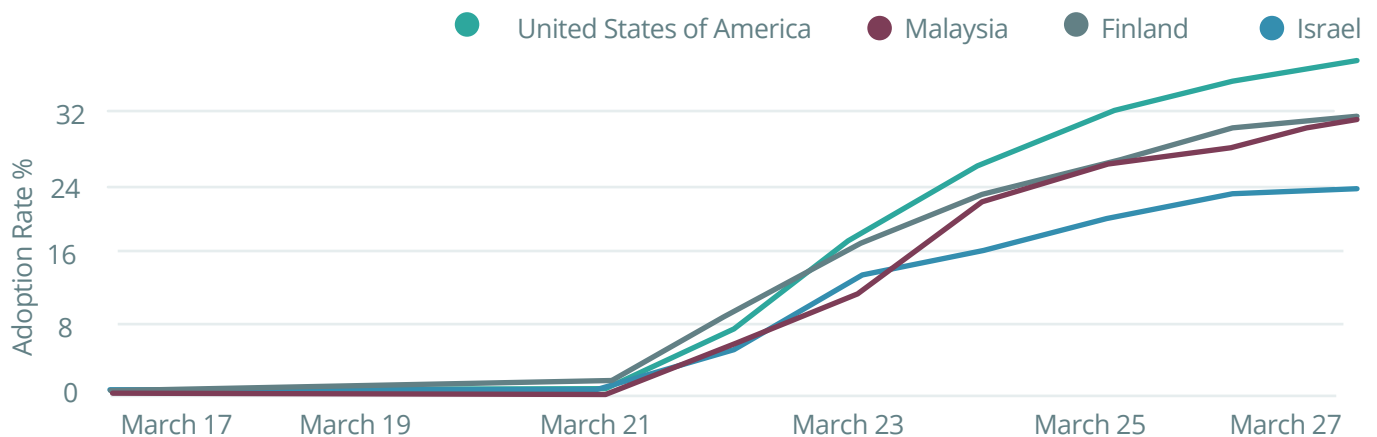


Given the focus on HealthKit and additional functionality for developers, **we expected iOS 9.3 usage for Health & Fitness apps to be quite high.** This turned out to be true -- about 44% of Health & Fitness apps are already running on iOS 9.3.

### iOS 9.3 Adoption by Usage: Health & Fitness

# MONTHLY REPORT
## & Mobile Industry Updates

You can find mobile industry benchmarks updated daily at data.apteligent.com. In addition, every month we publish a recap of the trends and movements in the industry.

### Top 10 Global Android Devices

| | Device | Model | Most Popular OS | Usage Share | Crash Rate | Average Latency |
|---|---|---|---|---|---|---|
| 1 | Samsung Galaxy S5 | s5, .. | Android 5.0 | 9.60% | 2.35% | 257 ms |
| 2 | Samsung Galaxy S4 | GT-I9500, ... | Android 5.0 | 6.36% | 2.54% | 266 ms |
| 3 | Samsung Galaxy Note 3 | SAMSUNG-SM-N900A, ... | Android 5.0 | 3.92% | 2.44% | 246 ms |
| 4 | Samsung Galaxy S6 | SAMSUNG-SM-G920A, .. | Android 5.1 | 3.26% | 2.34% | 207 ms |
| 5 | Samsung Galaxy S3 | GT-I9300, ... | Android 4.4 | 2.61% | 2.27% | 283 ms |
| 6 | Samsung Galaxy S6 Edge | 404SC, ... | Android 5.1 | 1.73% | 2.74% | 199 ms |
| 7 | LG G3 | AS985, ... | Android 5.0 | 1.69% | 2.30% | 275 ms |
| 8 | ZTE Quartz | Quartz | Android 4.1 | 1.55% | 0.72% | 293 ms |
| 9 | Samsung Galaxy Note 5 | SAMSUNG-SM-N920A, ... | Android 5.1 | 1.51% | 2.20% | 198ms |
| 10 | Samsung Galaxy Note 4 | SAMSUNG-SM-N910A, .. | Android 5.1 | 1.46% | 2.10% | 244 ms |

Source: data.apteligent.com/android/devices/

### Top 10 Global iOS Devices

| | Device | Model | Most Popular OS | Usage Share | Crash Rate | Average Latency |
|---|---|---|---|---|---|---|
| 1 | iPhone 6 | iPhone 6 (iPhone7,2) | iOS 9.2 | 23.41% | 2.06% | 327 ms |
| 2 | iPhone 5S | iPhone 5s (iPhone 6,1), ... | iOS 9.2 | 11.40% | 2.19% | 359 ms |
| 3 | iPhone 6S | iPhone 6s (iPhone8,1) | iOS 9.2 | 10.45% | 2.16% | 314 ms |
| 4 | iPhone 6 Plus | iPhone 6 Plus (iPhone7,1) | iOS 9.2 | 8.27% | 2.15% | 346 ms |
| 5 | iPad Air | iPad Air, WiFi (iPad4,1), ... | iOS 9.2 | 5.60% | 2.10% | 316 ms |
| 6 | iPad 2 | 2nd Gen iPad, WiFi (iPad2,1) ,.. | iOS 9.2 | 4.99% | 2.36% | 357 ms |
| 7 | iPhone 5 | iPhone 5 GSM+LTE (iPhone5,1), ... | iOS 9.2 | 4.61% | 2.29% | 419 ms |
| 8 | iPhone 6s Plus | iPhone 6S PLus (iPhone8,2), ... | iOS 9.2 | 4.55% | 1.92% | 333 ms |
| 9 | iPad Air 2 | iPad Air 2, WiFi (iPad5,3), ... | iOS 9.2 | 4.27% | 2.22% | 288 ms |
| 10 | iPad 4 | 4th Gen iPad, WiFi (iPad 3,4), ... | iOS 9.2 | 3.82% | 2.49% | 339 ms |

Source: data.apteligent.com/ios/devices/

Next month, expect a deep-dive into global carrier rankings and performance. Here is a quick preview. If you take the top 50 carriers globally by request volume, and sort by the highest (HTTP) error rate, here is the result:

## Top 50 Carriers, Worst HTTP Error Rates

| Country | Carrier | Average Latency (ms) | Latency Rank | HTTP Error Rate | Requests Above 500 ms |
|---------|---------|----------------------|--------------|-----------------|------------------------|
| Singapore | SingTel | 484 | 32 | 6.3% | 33% |
| Indonesia | 3 Mobile | 613 | 43 | 3.1% | 53% |
| Indonesia | XL | 581 | 38 | 2.3% | 49% |
| Russia | Beeline | 657 | 46 | 1.7% | 57% |
| Mexico | TelCel | 648 | 45 | 1.6% | 67% |

## Interested to know the top 5 slowest carriers in the world? Tune in for the report next month.

### ABOUT APTELIGENT (FORMELY CRITTERCISM)

If you develop an app, or are responsible for the success of a mobile app, Apteligent's lightweight SDK helps you optimize user experience by identifying performance issues, such as crashes and network failures, that impact user behavior.

The company's solution provides a real-time global view of apps across iOS, Android, Windows Phone 10, Hybrid and HTML5. Trusted by three of the top five credit card issuers, three of the top five media companies, three of the top five retailers, and two of the top three hotel chains with the success of their strategic mobile app initiatives. Apteligent is leading the drive to the App Economy.

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