Class

HKActivitySummary

An object that contains the move, exercise, and stand data for a given day.

iOS 9.3+ | iPadOS 9.3+ | Mac Catalyst 13.0+ | macOS 13.0+ | visionOS 1.0+ | watchOS 2.2+

```
class HKActivitySummary
```

Mentioned in

📄 Executing Activity Summary Queries

Overview

You can read HKActivitySummary objects from the HealthKit store using an HKActivitySummaryQuery object. Unlike the HKSample subclasses, HKActivitySummary instances are mutable, but changes made to the object's properties have no affect on the values in the HealthKit store.

You can instantiate your own HKActivitySummary objects (if needed), but you can't save HKActivitySummary objects to the store.

You can display an active summary in iOS using the HKActivityRingView class or in watchOS using the WKInterfaceActivityRing class.

Topics

Accessing the summary's data

`var` `activityMoveMode:` `HKActivityMoveMode`

The move mode that they system used for this activity summary.

`enum` `HKActivityMoveMode`

Constants that specify the value measured by the Move ring on the user's device.

`var` `activeEnergyBurned:` `HKQuantity`

The amount of active energy the user burned during the specified day.

`var` `activeEnergyBurnedGoal:` `HKQuantity`

The user's daily goal for active energy burned.

`var` `appleMoveTime:` `HKQuantity`

The amount of time the user spent performing activities that involve full-body movements during the specified day.

`var` `appleMoveTimeGoal:` `HKQuantity`

The user's daily goal for move time.

`var` `appleExerciseTime:` `HKQuantity`

The amount of time that the user has spent exercising during the specified day.

`var` `appleExerciseTimeGoal:` `HKQuantity`

The user's daily exercise goal.

`var` `exerciseTimeGoal:` `HKQuantity?`

The user's daily goal for exercise time.

`var` `appleStandHours:` `HKQuantity`

The number hours in the specified day during which the user has stood and moved for at least a minute per hour.

`var` `standHoursGoal:` `HKQuantity?`

The user's daily goal for stand hours.

`var` `appleStandHoursGoal:` `HKQuantity`

The user's daily goal for stand hours.

`enum` `HKCategoryValueAppleStandHour`

Categories that the system used to indicate whether the user stood during the sample's duration.

```
func dateComponents(for: Calendar) -> DateComponents
```
   Date components that uniquely identify the day represented by the summary object.

Specifying predicate key paths

```
let HKPredicateKeyPathDateComponents: String
```
   The key path for accessing an activity summary's date components.

Instance Properties

```
var isPaused: Bool
```

Relationships

Inherits From

```
NSObject
```

Conforms To

```
CVarArg
CustomDebugStringConvertible
CustomStringConvertible
Equatable
Hashable
NSCoding
NSCopying
NSObjectProtocol
NSSecureCoding
Sendable
SendableMetatype
```

See Also

Activity rings

struct `HKActivitySummaryQueryDescriptor`

A query interface that reads activity summaries using Swift concurrency.

class `HKActivitySummaryQuery`

A query for reading activity summary objects from the HealthKit store.

class `HKActivityRingView`

A view that uses the Move, Exercise, and Stand activity rings to display data from a HealthKit activity summary object.

class `HKActivityMoveModeObject`

An object that contains a movement mode value.