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com.samsung.android.sdk.healthdata

Class HealthConstants

[java.lang.Object](#)

com.samsung.android.sdk.healthdata.HealthConstants

```
public final class HealthConstants
extends Object
```

This class contains interfaces data types in Samsung Health SDK for Android such as steps or exercise.

The SDK provides useful data types such as daily steps or the user's profile.

Data's Common Properties

[HealthConstants.Common](#) identifies common properties of health data. Its values are assigned by the system when a new health data is inserted.

Property	Description
UUID	Health data's unique ID
CREATE_TIME	Data creation time in the health data store
UPDATE_TIME	Data's Update time in the health data store
PACKAGE_NAME	Application package name that provides the health data
DEVICE_UUID	Device identifier which provides the health data
CUSTOM	Custom info

The most data types extend one of the following interfaces according to the data's characteristics.

Discrete Measurement ▼

`HealthConstants.DiscreteMeasurement` defines basic measurement information.

- Start time of measurement
- Time zone

Session Measurement ▼

`HealthConstants.SessionMeasurement` defines session measurement information with a start time and an end time.

- Start time of measurement
- End time of measurement
- Time zone

Samsung Health's Data Types

The health data framework has the following useful predefined data types.

- **Activity**
 - `HealthConstants.StepDailyTrend`
 - `HealthConstants.StepCount`
 - `HealthConstants.Exercise`
 - `HealthConstants.FloorsClimbed`
- **Rest**
 - `HealthConstants.Sleep`
 - `HealthConstants.SleepStage`
- **Food**
 - `HealthConstants.Nutrition`
 - `HealthConstants.WaterIntake`
 - `HealthConstants.CaffeineIntake`
- **Health Care**
 - `HealthConstants.BodyTemperature`
 - `HealthConstants.BloodPressure`
 - `HealthConstants.BloodGlucose`
 - `HealthConstants.HeartRate`
 - `HealthConstants.OxygenSaturation`

- `HealthConstants.HbA1c`
- `HealthConstants.Height`
- `HealthConstants.Weight`
- `<<Show more...>>`
- **Health Document**
 - `HealthConstants.HealthDocument`
- **Environment Info**
 - `HealthConstants.AmbientTemperature`
 - `HealthConstants.UvExposure`
- **User Profile**
 - `HealthUserProfile` (*read-only*)

Samsung Health's health data can be accessed after acquiring data permission through `HealthPermissionManager`.

Since:

1.0.0

Nested Class Summary

Nested Classes

Modifier and Type

Class and Description

static interface

`HealthConstants.Albumin`

This interface defines albumin data of the user.

static interface

`HealthConstants.Alp`

This interface defines ALP (Alkaline Phosphatase) data of the user.

static interface

`HealthConstants.Alt`

This interface defines ALT(Alanine Aminotransferase) data of the user.

static interface

`HealthConstants.AmbientTemperature`

This interface defines ambient temperature and humidity data around the device.

static interface

`HealthConstants.Amylase`

This interface defines Amylase data of the user.

static interface	<code>HealthConstants.Ast</code> This interface defines AST (Aspartate Aminotransferase) data of the user.
static interface	<code>HealthConstants.BloodGlucose</code> This interface defines blood glucose data of the user.
static interface	<code>HealthConstants.BloodPressure</code> This interface defines blood pressure data of the user.
static interface	<code>HealthConstants.BodyFat</code> This interface defines body fat data of the user.
static interface	<code>HealthConstants.BodyMuscle</code> This interface defines body muscle data of the user.
static interface	<code>HealthConstants.BodyTemperature</code> This interface defines body temperature data of the user.
static interface	<code>HealthConstants.Bun</code> This interface defines BUN (Blood Urea Nitrogen) data of the user.
static interface	<code>HealthConstants.CaffeineIntake</code> This interface defines caffeine intake data of the user.
static interface	<code>HealthConstants.Common</code> This interface contains the common constants for health data such as the data's unique ID, the application package name which provides data, and the data's source device information.
static interface	<code>HealthConstants.Cpk</code> This interface defines CPK (Creatine Phosphokinase) data of the user.
static interface	<code>HealthConstants.Creatinine</code> This interface defines creatinine data of the user.
static interface	<code>HealthConstants.DirectBilirubin</code> This interface defines direct bilirubin data of the user.
static interface	<code>HealthConstants.DiscreteMeasurement</code>

This interface contains basic constants for measurement such as the start or offset time.

static interface

`HealthConstants.Electrocardiogram`

Deprecated.

1.5.0 This data type will be removed. Do not use it any more.

static interface

`HealthConstants.Exercise`

This interface defines exercise data of the user.

static interface

`HealthConstants.Fev1`

This interface defines FEV1 (Forced Expiratory Volume in One Second) data of the user.

static interface

`HealthConstants.FloorsClimbed`

This interface defines floors climbed data of the user.

static interface

`HealthConstants.FoodInfo`

Deprecated.

Use `HealthConstants.Nutrition` instead of it.

This data type will be removed. Do not use it any more.

static interface

`HealthConstants.FoodIntake`

Deprecated.

Use `HealthConstants.Nutrition` instead of it.

This data type will be removed. Do not use it any more.

static interface

`HealthConstants.Fvc`

This interface defines FVC (Forced Vital Capacity) data of the user.

static interface

`HealthConstants.Ggt`

This interface defines GGT (Gamma Glutamyl Transpeptidase) data of the user.

static interface

`HealthConstants.Globulin`

This interface defines globulin data of the user.

static interface

`HealthConstants.HbA1c`

This interface defines glycated hemoglobin data of the user.

static interface

`HealthConstants.Hdlc`

This interface defines HDL-C(High-Density Lipoprotein Cholesterol) data of the user.

static interface `HealthConstants.HealthDocument`

This interface defines health documnt data of the user.

static interface `HealthConstants.HeartRate`

This interface defines heart rate data of the user.

static interface `HealthConstants.Height`

This interface defines height data of the user.

static interface `HealthConstants.HipCircumference`

This interface defines hip circumference data of the user.

static interface `HealthConstants.Homocysteine`

This interface defines homocysteine data of the user.

static interface `HealthConstants.Ldh`

This interface defines LDH (Lactate Dehydrogenase) data of the user.

static interface `HealthConstants.Ldlc`

This interface defines LDL-C (Low-Density Lipoprotein Cholesterol) data of the user.

static interface `HealthConstants.Nutrition`

This interface defines nutrition user intakes.

static interface `HealthConstants.OxygenSaturation`

This interface defines oxygen saturation data in the user's blood.

static interface `HealthConstants.SessionMeasurement`

This interface contains measurement constants that has a session with the end time.

static interface `HealthConstants.Sleep`

This interface defines sleep data of the user.

static interface `HealthConstants.SleepStage`

This interface defines the detailed sleep stage for the specified sleep data.

static interface `HealthConstants.StepCount`

This interface defines the user's step count data.

static interface `HealthConstants.StepDailyTrend`

This interface defines the user's daily step count trend data.

static interface `HealthConstants.TotalBilirubin`

This interface defines total bilirubin data of the user.

static interface `HealthConstants.TotalCholesterol`

This interface defines total cholesterol data of the user.

static interface `HealthConstants.TotalProtein`

This interface defines total protein data of the user.

static interface `HealthConstants.Triglyceride`

This interface defines triglyceride data of the user.

static interface `HealthConstants.Uph`

This interface defines UPH (Urine pH) data of the user.

static interface `HealthConstants.Usg`

This interface defines USG (Urine Specific Gravity) data of the user.

static interface `HealthConstants.UvExposure`

This interface defines UV exposure data around the device.

static interface `HealthConstants.WaistCircumference`

This interface defines waist circumference data of the user.

static interface `HealthConstants.WaterIntake`

This interface defines water intake data of the user.

static interface `HealthConstants.Weight`

This interface defines weight data of the user.

Field Summary

Fields

Modifier and Type

static `String`

Field and Description

`USER_PROFILE_DATA_TYPE`

Data type name for the user profile.

Constructor Summary

Constructors

Constructor and Description

`HealthConstants()`

Field Detail

`USER_PROFILE_DATA_TYPE`

```
public static final String USER_PROFILE_DATA_TYPE
```

Data type name for the user profile.

Use "com.samsung.health.user_profile" to add permission to the manifest file.

The user profile is available to read only and can be retrieved with `HealthUserProfile`.

See Also:

[Constant Field Values](#)

Constructor Detail

`HealthConstants`


```
public HealthConstants()
```

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