



Wearable device

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## WEARABLE DEVICE PREDICTS WHEN USERS NEED THE TOILET

HEALTH & WELLBEING

**This wearable device uses ultrasound technology to predict when users will need to go to the bathroom.**

Supporting those with daily afflictions that cause disruption to everyday life is a key part of many scientific projects in the medical industry. Springwise has already followed groundbreaking innovations in the health sector, such as this [AR medical tool](#) that facilitates easier vein access. This [smart wheelchair](#) also helps those with physical disabilities lead a more independent life. Now Japanese company, [TripleW](#), has developed a wearable to predict when users will need to go to the toilet.

The device, [DFree](#), is portable, and so can be worn anytime in the day or night, at home or out and about. It connects with an app via Bluetooth and tracks the user's bladder status. A sensor is secured to the lower abdomen that can monitor bladder size changes through ultrasound technology. When necessary, it will remind the user to visit the bathroom through an app notification.

The design aims predominantly to help the elderly, the disabled, and children learning to toilet train. It could also be useful for people of any age who have difficulty in sensing when to go to the toilet.

The device went through trials in 500 senior care homes throughout Japan and Europe. The first orders shipped in the US in August of this year. There are future plans to expand across the globe. DFree retails at 499 USD.

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Website: [www.dfreeus.biz](http://www.dfreeus.biz)

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