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New Zealand develops early warning indicator for viral infection

25 January 2021 | News

A personal early warning indicator for viral infection which relates to biometric data from smartphones and other wearables

Datamine, a New Zealand based AI company, has created ëlarm: a personal early warning indicator for viral infection, including Coronavirus. The ëlarm system overcomes what is arguably our greatest obstacle – viral spread by asymptomatic people who do not know they are infectious. By developing personal baselines of biometric data from smartphones and other wearables (such as Fitbit, Apple Watch and Samsung), ëlarm detects changes to those individual baselines that fit COVID-19 patterns – changes that occur as the body begins fighting viral infection.

"With ëlarm, you can know you're sick before you feel sick," says ëlarm CEO and founding director of Datamine,Paul O'Connor.

Operating in New Zealand since June 2020, the ëlarm system has been developed to detect Coronavirus cases up to three days before people know they have the lethal virus."Based on our New Zealand success and the extensive data we've gathered from clinicians around the world, e?larm is an accurate predictor of viral symptoms," Mr O'Connor says.

While ëlarm is not a test and does not provide medical advice, the system alerts users to biometric changes that indicate viral infection and provides relevant World Health Organisation and CDC guidelines. This enables people to proactively get tested and self-isolate before any symptoms appear. This helps prevent the spread of viral infection to loved ones, communities, and workmates.

As opposed to developing technology based on specific smartwatches, ëlarm is 'device agnostic.' As a software service,

ëlarm can use data from a growing list of wearable devices, and is available worldwide.