

# Phone application helps monitor blood pressure

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The team from Michigan State University in the US also discovered a new convenient measuring point. Anand Chandrasekhar, a graduate student at MSU, said: "We target another artery, the horizontal arch artery across the fingertips to help us better control the measurement of blood pressure."



"We are happy to confirm this new blood pressure reading point. Being able to use your fingers makes it easier to access research." According to Chandrasekhar, the lead author of the study is published in the journal Science Translational Medicine.

This approach involves using two sensors: an optical sensor placed on the load cell head. Sensors and other microchips are placed in a 1 cm thick shell attached to the back of the phone.

Users turn on the application and press their finger on the sensor, hold the phone with the right hand in the 'Heart' mode and see the display on the smartphone screen to ensure they are applying the correct pressure. Finger on device to measure.

Ramakrishna Mukkamala, professor at MSU said: "The bottom line is that users can apply finger pressure over time to measure blood pressure."

High blood pressure can be treated with lifestyle changes and drugs, but currently only about 20% of people with high blood pressure regularly control their blood pressure.

Mukkamala said, this invention gives patients a convenient choice and keeps the routine of measuring daily, will create a moderate level of blood pressure balance, minimizing abnormal ups and downs. from the measurement times.

The team will continue to improve the accuracy of this application sensor and hope to have a more comprehensive examination based on the standards of the Medical Instrument Medical Association.

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