



## PULSE OXIMETRY USING NON-CLINICAL DEVICES

A variety of non-clinical grade pulse oximetry devices and smartphone apps are sold directly to consumer. These include inexpensive stand-alone fingertip oximeters, similar in form factor to typical clinical oximeters. They also include sensors which plug into a smartphone and apps to collect the data. Finally, some inventors have used the smartphone camera directly as the sensor, with the only required additional purchase being the app to collect the data.

The available data on the accuracy of these devices is quite scanty. What is published, however, is by and large not very encouraging. Thus, we do not recommend these devices for clinical use by health professionals or consumers, even in the current emergency.

### References

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