

Is your pulse oximeter treating all patients equally?

Medtronic

A review of the evidence from a recent prospective study enrolling healthy volunteers evaluating the effects of skin pigmentation and perfusion index on pulse oximeter accuracy.^{†,‡}

Nellcor™ pulse oximetry

Missed hypoxemic events in subjects with dark skin and low perfusion.



7.9%

Masimo SET™ pulse oximetry



30.2%

Medtronic is working to close the inequity gaps

We are collaborating with regulators, academics, and clinicians to enhance guidelines and standards.

We are expanding education on Nellcor™ technology use to enable clinicians to serve all patients.

We are including 40% enrollees with dark skin in future testing to ensure performance for all patients.

We are investing in science and innovation to improve our pulse oximetry portfolio.

Nellcor™ pulse oximetry missed

74%

fewer hypoxemic events for subjects with dark skin and low perfusion than Masimo SET™ pulse oximetry.¹



Scan the QR code for more information

[†]Oxygen saturation accuracy can be affected by certain environmental, equipment, and patient physiologic conditions that influence readings of SpO₂. Please consult the instructions for use and manual for full safety information.

[‡]The study enrolled 146 healthy subjects and examined the Nellcor™ N-595 and Masimo Radical-7™ pulse oximeters. The study enrolled 146 healthy subjects in the 92%-96% saturation range and examined the Nellcor N-595 and the Masimo Radical 7 pulse oximeters

¹Gudelunas MK, Lipnick M, Hendrickson C, et al. Low Perfusion and Missed Diagnosis of Hypoxemia by Pulse Oximetry in Darkly Pigmented Skin: A Prospective Study. *Anesth Analg.* 2024;138(3):552-561. doi:10.1213/ANE.0000000000006755.

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