

Masimo SafetyNet Alert™

Oxygen Monitoring and Alert System



Help Safeguard Patients Taking Opioids at Home

Opioids are powerful painkillers, but they can also slow or stop breathing. In fact, patients taking either prescription or non-prescription opioids may be at risk for opioid-induced respiratory depression (OIRD).¹ Masimo SafetyNet Alert monitors blood oxygen levels and provides escalating alerts when drops in oxygen levels are detected.

- > Delivers continuous monitoring of blood oxygen saturation (SpO₂), in addition to pulse rate (PR) and perfusion index (Pi) measurements
- > Provides alerts if oxygen levels fall below predetermined thresholds, raising awareness to help the patient or their loved ones take action
- > Features a lightweight, wearable fingertip sensor that communicates wirelessly to a Home Medical Hub and intuitive mobile app



Respiratory Depression Can Be a Serious Risk for Anyone Taking Opioids

Certain medications and substances can increase a person's risk of OIRD. In fact, OIRD can be a risk for anyone taking opioids and can lead to slowed or stopped breathing, heart attack, brain damage, or death. OIRD may occur when a person is especially vulnerable—while asleep. Certain patient groups may be at higher risk for OIRD, including those who:¹⁻³

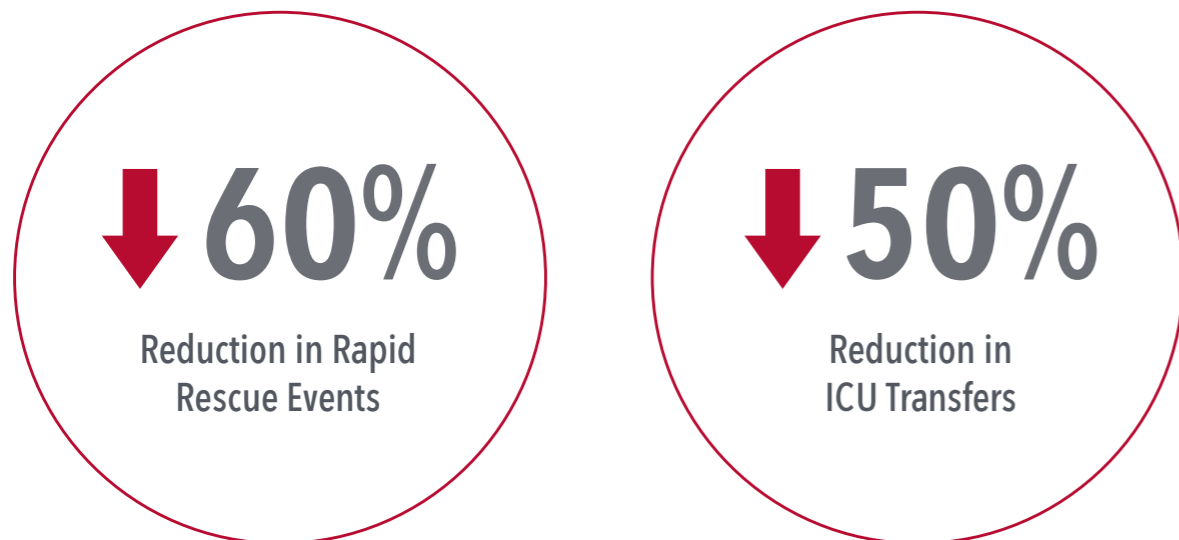
- > Take opioids for the first time
- > Have a respiratory condition (sleep apnea, COPD, asthma) or a chronic health condition (HIV, diabetes, liver/lung/heart disease, obesity, mental illness)
- > Combine opioids with alcohol, illicit drugs, or other sedatives typically used to treat insomnia or anxiety (benzodiazepines, gabapentinoids, sleep medications)
- > Take high opioid doses (above 100mg)
- > Have a history of substance use disorder or a reduced tolerance of opioids following a detox



Continuous Monitoring Has Been Shown to Improve Outcomes in Hospitals

Oxygen monitoring has been shown to help reduce harm associated with OIRD. After implementing continuous patient monitoring with Masimo SET® and a remote clinician notification system, researchers at **Dartmouth-Hitchcock Medical Center** were able to eliminate preventable deaths and brain damage due to opioid overdose in post-surgical wards, as well as reduce rapid rescue events by 60%, ICU transfers by 50%, and costs by an estimated \$7 million annually.⁴⁻⁶

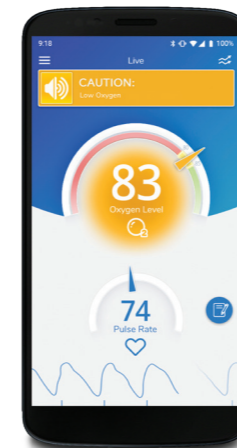
Masimo SafetyNet Alert leverages the same pulse oximetry technology and a similar notification escalation policy to bring hospital-proven approaches to the home setting.



Escalating Alerts Raise Awareness When Help Is Needed

Patients are professionally monitored and observed while in the hospital, but what happens when they are at home?

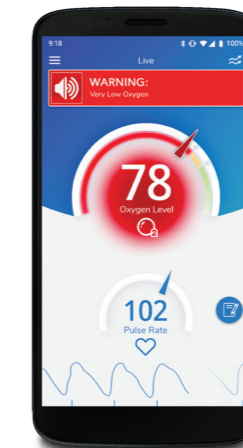
To help support their safety, Masimo SafetyNet Alert continuously monitors oxygen levels and provides escalating visual and audible alerts to the patient on the mobile app and on the Home Medical Hub, notifying designated emergency contacts if levels continue to decline.



Alert 1: Caution

When blood oxygen levels are low, the system alerts:

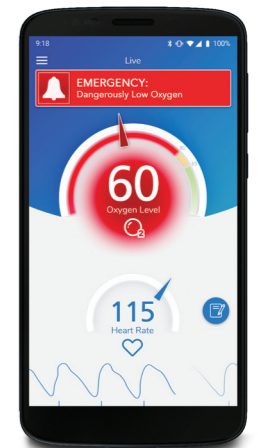
- > On the app with sound and light
- > At the Home Medical Hub with sound



Alert 2: Warning

When blood oxygen levels are very low, the system alerts:

- > On the app with sound and light
- > At the Home Medical Hub with sound
- > Via automatic texts sent to designated friends or family†



Alert 3: Emergency

When blood oxygen levels drop even lower, the system alerts:

- > On the app with sound and light
- > At the Home Medical Hub with sound
- > Via automatic texts sent to designated friends or family†

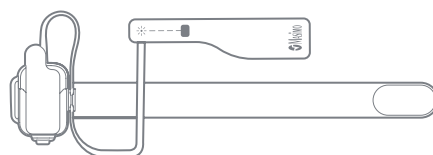
Powered by Clinically Proven Masimo SET® Technology

- > Uses Masimo SET® Measure-through Motion and Low Perfusion™ technology, the same technology used in hospitals to monitor more than 200 million patients annually.⁷
- > Masimo SET® has demonstrated significantly fewer false alarms and more true alarms than conventional pulse oximeters in hospital settings.⁸
- > Masimo SET® is the primary pulse oximetry at 9 of the top 10 U.S. hospitals as ranked in the 2021-22 U.S. News and World Report Best Hospitals Honor Roll.⁹

Masimo SafetyNet Alert Components



Masimo SafetyNet Alert App
Escalating alerts are received via a mobile app on the patient's phone before they are sent to emergency contacts



Masimo Sensor
The wearable, disposable Sensor includes a battery with approximately 96 hours of continuous monitoring life



Home Medical Hub
Home Medical Hub receives data from the Chip and provides visual and audible alerts when triggered by low oxygen levels



Masimo Chip
Reusable chip processes data from the Sensor and transmits data to the Home Medical Hub and Mobile App



Masimo Cloud
Escalating alerts are received on the Mobile App and sent via the cloud to the patient's emergency contacts

¹ Opioid Overdose. World Health Organization. <https://www.who.int/news-room/fact-sheets/detail/opioid-overdose>. ² Gupta K et al. *Curr Opin Anaesthesiol*. 2018;31(1):110-119. ³ Dunn KM et al. *Annals of internal medicine*. 2010;152(2):85-92. ⁴ Subramani Y et al. *Br J Anaesth*. 2017;119(5):885-899. ⁵ McGrath S et al. *J Patient Saf*. 2020 14 Mar. DOI: 10.1097/PTS.0000000000000696. ⁶ Taenzer AH et al. *Anesthesia Patient Safety Foundation Newsletter*. 2012. Available at: http://www.apsf.org/newsletters/html/2012/spring/01_postop.htm. ⁷ McGrath et al. *Jt Comm J Qual Patient Saf*. 2016;42(7):293-302. ⁸ Estimate: Masimo data on file. ⁹ Shah et al. *J Clin Anesth*. 2012;24(5):385-91. ⁹ U.S. News Health. <http://health.usnews.com/health-care/best-hospitals/articles/best-hospitals-honor-roll-and-overview>.

* Masimo SafetyNet Alert provides alerts to raise awareness about a patient's condition, so the patient or their loved ones can take action to help prevent harm.

† Emergency contacts must agree to receive alerts.

iOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license. ANDROID™ is a registered trademark of Google Inc. Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG Inc.



Masimo SafetyNet Alert has obtained CE Marking. Not available in the U.S. Masimo SafetyNet Alert is not licensed for sale in Canada.

Masimo U.S.
tel 1-877-4-Masimo
info-america@masimo.com

Masimo International
tel +41-32-720-1111
info-international@masimo.com

