

Vietnam Pulse Oximeter Market, By Component (Monitors, Sensors), By Type (Portable Pulse Oximeter, Tabletop/Bed side Pulse Oximeter), By Age Group (Adult, Pediatric), By End User (Hospitals, Home Care, Outpatient Facilities, Others), By Region, Competition, Forecast & Opportunities, 2020-2030F

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Abstracts

Vietnam pulse oximeter market was valued at USD 22.12 million in 2024 and is expected to exhibit robust growth throughout the forecast period, with a projected compound annual growth rate (CAGR) of 6.98% through 2030. This market is undergoing significant expansion, driven by technological advancements, rising healthcare awareness, and evolving demographic factors.

The introduction of innovative features—such as reusable sensors, fingertip models, compact designs, and digital connectivity—has significantly improved the functionality and adoption of pulse oximeters across both medical institutions and home healthcare environments.

However, market penetration is constrained by two primary challenges: the relatively high cost of advanced pulse oximeter models and the uneven distribution of healthcare infrastructure, particularly in rural areas. Addressing these limitations will be critical to expanding market accessibility and sustaining long-term growth.

The outlook for the market remains highly positive, supported by proactive initiatives from key industry stakeholders and favorable government healthcare policies. With increasing emphasis on early diagnosis and remote patient monitoring, both healthcare providers and consumers are expected to drive demand, reinforcing the long-term

growth trajectory of the pulse oximeter market in Vietnam.

Key Market Drivers

Rising Prevalence of Respiratory and Cardiovascular Diseases

The increasing incidence of respiratory and cardiovascular conditions is a major driver of demand for pulse oximeters in Vietnam. Cardiovascular disease (CVD) remains the leading cause of mortality, with stroke and ischemic heart disease being the predominant contributors to death and disability. Notably, data from Bach Mai Hospital—Vietnam’s largest public hospital in Hanoi—reveals that 15% to 17% of CVD-related hospital admissions involve patients under the age of 40, underscoring the growing burden of heart disease among younger demographics.

As these health issues become more prevalent due to environmental, lifestyle, and demographic factors, the demand for continuous and reliable oxygen saturation monitoring has grown significantly, driving adoption of pulse oximeters.

Key Market Challenges

High Costs and Limited Affordability

While basic models of pulse oximeters are available at accessible prices, advanced devices featuring wireless connectivity, multi-parameter monitoring, and AI-based diagnostics remain cost-prohibitive for many healthcare facilities and individual consumers. Vietnam’s reliance on imported medical equipment contributes to elevated retail prices, due to import duties, shipping costs, and distribution margins.

The absence of a robust domestic manufacturing base for high-quality pulse oximeters limits opportunities for cost reduction through local production. Public hospitals and smaller clinics often operate within constrained budgets, prioritizing critical medical infrastructure over pulse oximeters. Similarly, financially constrained consumers tend to purchase lower-cost, lower-quality alternatives or forgo such devices altogether.

These affordability challenges hinder adoption in both clinical and home settings, restraining market growth. To address this, the implementation of government subsidies, the promotion of domestic manufacturing, and strategic pricing models will be essential to making these devices more accessible.

Key Market Trends

Digital Transformation and Smart Monitoring Integration

Vietnam's healthcare sector is undergoing rapid digital transformation, spurred by supportive government initiatives and increasing private-sector investments. Notable advancements include:

Integration of wireless and Bluetooth-enabled pulse oximeters, allowing real-time data transmission to healthcare providers and mobile applications.

Seamless connectivity with telemedicine platforms, facilitating remote monitoring of patients with chronic conditions such as COPD, asthma, and heart disease.

Deployment of AI-driven analytics to deliver predictive health insights and detect early signs of hypoxia and respiratory distress.

With the growing adoption of telemedicine services, hospitals, clinics, and home users are increasingly integrating smart health devices. Pulse oximeters are becoming an essential component of Vietnam's remote patient monitoring ecosystem, broadening their application beyond traditional clinical settings into home-based care. This trend is transforming how oxygen saturation is monitored, supporting the market's expansion and evolution.

Key Market Players

Medtronic Vietnam Co., Ltd

MTTS Co., Ltd

Koninklijke Philips NV

GE Vietnam Limited

Nihon Kohden Vietnam Company Limited

Draeger Vietnam Co., Ltd

Report Scope:

In this report, the Vietnam Pulse Oximeter Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Vietnam Pulse Oximeter Market, By Component:

Monitors

Sensors

Vietnam Pulse Oximeter Market, By Type:

Portable Pulse Oximeter

Tabletop/Bed side Pulse Oximeter

Vietnam Pulse Oximeter Market, By Age Group:

Adult

Pediatric

Vietnam Pulse Oximeter Market, By End User:

Hospitals

Home Care

Outpatient Facilities

Others

Vietnam Pulse Oximeter Market, By Region:

Northern Vietnam

Central Vietnam

Southern Vietnam

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Vietnam Pulse Oximeter Market.

Available Customizations:

Vietnam Pulse Oximeter market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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