

Asia Pacific Chronic Total Occlusion Market Size and Forecast (2021 - 2031), Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Equipment (Guide Wire, Micro Catheters, Crossing Devices, Re-Entry Devices, Others) and End User (Hospitals, Ambulatory Care Centers and Others)

<https://marketpublishers.com/r/A67094868912EN.html>

Date: March 2026

Pages: 136

Price: US\$ 3,450.00 (Single User License)

ID: A67094868912EN

Abstracts

The Asia Pacific Chronic Total Occlusion (CTO) market is projected to grow significantly, reaching an estimated US\$ 805.9 million by 2031, up from US\$ 456.0 million in 2024. This growth represents a compound annual growth rate (CAGR) of 8.6% from 2025 to 2031. Chronic total occlusion refers to a complete blockage in a coronary artery, often caused by the accumulation of fatty deposits over time. The treatment of CTOs poses unique challenges, but the increasing demand for minimally invasive procedures, along with a growing elderly population and rising rates of cardiovascular disease (CVD), are key factors driving market expansion in the Asia Pacific region. According to the study "Epidemiological Features of Cardiovascular Disease in Asia," Asia accounted for 58% of the 18.6 million CVD-related deaths reported globally in 2019. The region is experiencing a rise in hypertension, diabetes, and obesity, largely due to a shift towards sedentary lifestyles and diets high in processed foods. Countries like India and China have seen a notable increase in cardiovascular risk factors, leading to a heightened need for effective CTO management. The prevalence of hypertension in Asia has surged by up to 40% from 1990 to 2019, as highlighted in the study "Overview of the Burden and Challenges of Hypertension in Asia." Consequently, the chronic total occlusion market in Asia Pacific is thriving, fueled by the increasing incidence of CVDs, an aging population, and improvements in healthcare infrastructure.

The Asia Pacific CTO market is segmented by equipment and end user. In terms of equipment, the market includes categories such as Guide Wires, various types of

Coronary and Peripheral Interventions, Micro Catheters, Crossing Devices, and Re-Entry Devices. As of 2024, Guide Wires held the largest market share. By end user, the market is divided into Hospitals, Ambulatory Care Centers, and others, with hospitals also capturing the largest share in 2024.

Strategic developments in the CTO market are crucial for companies aiming to enhance their market presence. These include product approvals, collaborations, funding, and new product launches. For instance, in June 2024, MicroPort RotaPace's Intravascular Piezoelectric Guidewire System received NMPA approval for entry into special review procedures for innovative medical devices, co-developed by a team from Zhongshan Hospital, Fudan University. Such initiatives not only improve procedural capabilities and patient outcomes but also expand access to advanced treatments, thereby strengthening the competitive edge of key players in the market.

Geographically, the Asia Pacific CTO market is segmented into China, Japan, India, Australia, South Korea, and the rest of the region. China is expected to hold the largest market share in 2024. The increasing consumption of alcohol, rising obesity rates, sedentary lifestyles, and diets high in saturated fats contribute to the growing prevalence of heart disease, stroke, and other noncommunicable diseases (NCDs). According to the Centers for Disease Control and Prevention (CDC), NCDs account for approximately 82% of China's disease burden. In 2020, China reported 3.4 million new cases, 17.8 million prevalent cases, and 2.3 million deaths due to stroke, highlighting the urgent need for effective CTO management.

Additionally, China's aging population is a significant driver for CTO procedures. The World Health Organization (WHO) projects that by 2040, 28% of China's population will be aged 60 or older, due to increased life expectancy and declining fertility rates. As more elderly individuals are diagnosed with coronary artery disease (CAD), the demand for interventional cardiology treatments, including CTO management, is expected to rise.

Key players in the Asia Pacific CTO market include Abbott Laboratories, Terumo Corp, Boston Scientific Corp, Medtronic Plc, Koninklijke Philips NV, Integer Holdings Corp, Becton, Dickinson and Co, Cordis Corp, Asahi Intecc Co Ltd, and SoundBite Medical Solutions. These companies are pursuing various strategies such as expansion, product innovation, and mergers and acquisitions to enhance their offerings and increase market share.

In summary, the Asia Pacific Chronic Total Occlusion market is poised for substantial growth driven by the rising prevalence of cardiovascular diseases, an aging population, and advancements in healthcare technology. The strategic initiatives undertaken by key players will further bolster the market, ensuring improved patient outcomes and expanded access to innovative treatments.

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