

North America 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)

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Abstracts

The North America Chronic Total Occlusion (CTO) market is projected to grow significantly, reaching an estimated US\$ 1,904.9 million by 2031, up from US\$ 1,092.5 million in 2024, reflecting a compound annual growth rate (CAGR) of 8.4% from 2025 to 2031. This market encompasses the United States, Canada, and Mexico, with North America holding a substantial share of the global CTO market.

Several factors are driving the growth of the CTO market in North America, primarily the increasing prevalence of cardiovascular diseases (CVD), particularly coronary artery disease (CAD), and the aging population. According to the 2023 Profile of Older Americans, there were approximately 57.8 million adults aged 65 and older in the U.S. in 2022, with heart disease being the leading cause of death across all age groups, especially among those aged 75 and above. The aging demographic is particularly vulnerable to CVD due to age-related changes in the cardiovascular system, which increases the demand for effective treatment options.

Technological advancements in medical devices, such as percutaneous coronary interventions (PCI) and specialized CTO devices, are also pivotal in driving market growth. These innovations facilitate minimally invasive procedures, which are preferred by both patients and healthcare providers due to their associated benefits, including reduced recovery times and lower risks compared to traditional surgical methods. Major players in the market, including Medtronic, Boston Scientific, and Abbott Laboratories, are focusing on developing cutting-edge devices tailored for CTO interventions, which

further enhances the market's growth potential.

The North America CTO market is segmented by equipment and end-user categories. In terms of equipment, the market includes various devices such as guide wires, micro catheters, crossing devices, and re-entry devices, with guide wires holding the largest market share in 2024. By end-user, the market is divided into hospitals, ambulatory care centers, and others, with hospitals also capturing the largest share in 2024.

The rising geriatric population is a significant growth driver for the CTO market. The U.S. Census Bureau projects that the number of Americans aged 65 and older will increase from 58 million in 2022 to 82 million by 2050, representing a 47% increase. This demographic shift is mirrored in Canada, where approximately 18.8% of the population was aged 65 or older in 2022. Globally, the World Health Organization (WHO) anticipates that by 2030, one in six people will be 60 years or older, further emphasizing the need for effective cardiovascular treatments.

Older adults are at a heightened risk for cardiovascular diseases, necessitating the development of efficient and minimally invasive treatment options. The preference for PCI and other minimally invasive procedures is growing, particularly among older patients who may find traditional surgical methods challenging. This trend is evident in countries with significant aging populations, such as the U.S., Japan, and various European nations. Market leaders are increasingly focused on creating sophisticated CTO devices that cater specifically to the needs of the elderly, ensuring that treatments are both effective and safe for this vulnerable group.

In terms of country-specific insights, the United States dominates the North American CTO market, driven by the rising incidence of CVD, particularly CAD, among the aging population. The American Heart Association's 2023 statistics indicate that around 18.2 million adults in the U.S. are affected by CAD. The adoption of minimally invasive techniques and the development of advanced CTO-specific devices are key factors propelling market growth. The U.S. benefits from a robust healthcare infrastructure, favorable reimbursement policies, and a strong emphasis on improving patient outcomes, all of which contribute to the increasing demand for CTO procedures.

The market is characterized by the presence of several key players, including 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 actively pursuing strategies such as product innovation, expansion, and mergers and acquisitions to enhance their market presence and offer innovative solutions to consumers.

In summary, the North America Chronic Total Occlusion market is poised for significant growth, driven by an aging population, increasing prevalence of cardiovascular diseases, and advancements in medical technology. The focus on minimally invasive procedures and the development of specialized devices for CTO interventions will

continue to shape the market landscape in the coming years.

Contents

1. INTRODUCTION

- 1.1 Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights

3. RESEARCH METHODOLOGY

- 3.1 Secondary Research
- 3.2 Primary Research
 - 3.2.1 Hypothesis formulation:
 - 3.2.2 Macroeconomic factor analysis:
 - 3.2.3 Developing base number:
 - 3.2.4 Data Triangulation:
 - 3.2.5 Country-level data:
- 3.3 Assumptions and Limitations

4. CHRONIC TOTAL OCCLUSION MARKET LANDSCAPE

- 4.1 PEST Analysis

5. NORTH AMERICA CHRONIC TOTAL OCCLUSION MARKET - KEY MARKET DYNAMICS

- 5.1 North America Chronic Total Occlusion Market - Key Market Dynamics
- 5.2 Market Drivers
 - 5.2.1 Increasing Aging Population
 - 5.2.2 Rising Prevalence of Cardiovascular Diseases
- 5.3 Market Restraints
 - 5.3.1 High Cost of Occlusion Devices
- 5.4 Market Opportunities
 - 5.4.1 Strategic Initiatives by Market Players
- 5.5 Future Trends
 - 5.5.1 Technological Advancements in CTO Devices

5.6 Impact of Drivers and Restraints:

6. NORTH AMERICA CHRONIC TOTAL OCCLUSION MARKET - ANALYSIS

6.1 North America Chronic Total Occlusion Market Revenue (US\$ Million), 2021-2031

6.2 North America Chronic Total Occlusion Market Forecast Analysis

7. NORTH AMERICA CHRONIC TOTAL OCCLUSION MARKET ANALYSIS - BY EQUIPMENT

7.1 Guide Wires

7.1.1 Overview

7.1.2 Guide Wires: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.2 Micro Catheters

7.2.1 Overview

7.2.2 Micro Catheters: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.3 Crossing Devices

7.3.1 Overview

7.3.2 Crossing Devices: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.4 Re-Entry Devices

7.4.1 Overview

7.4.2 Re-Entry Devices: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

7.5 Others

7.5.1 Overview

7.5.2 Others: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8. NORTH AMERICA CHRONIC TOTAL OCCLUSION MARKET ANALYSIS - BY END USER

8.1 Hospitals

8.1.1 Overview

8.1.2 Hospitals: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.2 Ambulatory Care Centers

8.2.1 Overview

8.2.2 Ambulatory Care Centers: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

8.3 Others

8.3.1 Overview

8.3.2 Others: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9. NORTH AMERICA CHRONIC TOTAL OCCLUSION MARKET - COUNTRY ANALYSIS

9.1 North America

9.1.1 North America Chronic Total Occlusion Market - Revenue and Forecast Analysis - by Country

9.1.1.1 North America Chronic Total Occlusion Market - Revenue and Forecast Analysis - by Country

9.1.1.2 United States: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.1.1.2.1 United States: North America Chronic Total Occlusion Market Share - by Equipment

9.1.1.2.2 United States: North America Chronic Total Occlusion Market Share - by End User

9.1.1.3 Canada: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.1.1.3.1 Canada: North America Chronic Total Occlusion Market Share - by Equipment

9.1.1.3.2 Canada: North America Chronic Total Occlusion Market Share - by End User

9.1.1.4 Mexico: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

9.1.1.4.1 Mexico: North America Chronic Total Occlusion Market Share - by Equipment

9.1.1.4.2 Mexico: North America Chronic Total Occlusion Market Share - by End User

10. CHRONIC TOTAL OCCLUSION MARKET - INDUSTRY LANDSCAPE

10.1 Overview

10.2 Growth Strategies in the Chronic Total Occlusion Market

10.3 Organic Growth Strategies

10.3.1 Overview

10.4 Inorganic Growth Strategies

10.4.1 Overview

11. COMPANY PROFILES

11.1 Asahi Intecc Co Ltd

11.1.1 Key Facts

11.1.2 Business Description

11.1.3 Products and Services

11.1.4 Financial Overview

11.1.5 SWOT Analysis

11.1.6 Key Developments

11.2 Cordis Corp

11.2.1 Key Facts

11.2.2 Business Description

11.2.3 Products and Services

11.2.4 Financial Overview

11.2.5 SWOT Analysis

11.2.6 Key Developments

11.3 Integer Holdings Corp

11.3.1 Key Facts

11.3.2 Business Description

11.3.3 Products and Services

11.3.4 Financial Overview

11.3.5 SWOT Analysis

11.3.6 Key Developments

11.4 Boston Scientific Corp

11.4.1 Key Facts

11.4.2 Business Description

11.4.3 Products and Services

11.4.4 Financial Overview

11.4.5 SWOT Analysis

11.4.6 Key Developments

11.5 Koninklijke Philips NV

11.5.1 Key Facts

11.5.2 Business Description

11.5.3 Products and Services

- 11.5.4 Financial Overview
- 11.5.5 SWOT Analysis
- 11.5.6 Key Developments
- 11.6 Becton Dickinson and Co
 - 11.6.1 Key Facts
 - 11.6.2 Business Description
 - 11.6.3 Products and Services
 - 11.6.4 Financial Overview
 - 11.6.5 SWOT Analysis
 - 11.6.6 Key Developments
- 11.7 Sound Bite Medical Solutions
 - 11.7.1 Key Facts
 - 11.7.2 Business Description
 - 11.7.3 Products and Services
 - 11.7.4 Financial Overview
 - 11.7.5 SWOT Analysis
 - 11.7.6 Key Developments
- 11.8 Medtronic Plc
 - 11.8.1 Key Facts
 - 11.8.2 Business Description
 - 11.8.3 Products and Services
 - 11.8.4 Financial Overview
 - 11.8.5 SWOT Analysis
 - 11.8.6 Key Developments
- 11.9 Terumo Corp
 - 11.9.1 Key Facts
 - 11.9.2 Business Description
 - 11.9.3 Products and Services
 - 11.9.4 Financial Overview
 - 11.9.5 SWOT Analysis
 - 11.9.6 Key Developments
- 11.10 Abbott Laboratories
 - 11.10.1 Key Facts
 - 11.10.2 Business Description
 - 11.10.3 Products and Services
 - 11.10.4 Financial Overview
 - 11.10.5 SWOT Analysis
 - 11.10.6 Key Developments

12. APPENDIX

12.1 About The Insight Partners

12.1 Glossary of Terms

List Of Tables

LIST OF TABLES

Table 1. North America Chronic Total Occlusion Market Segmentation

Table 2. North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Table 3. North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Equipment

Table 4. North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by End User

Table 5. North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million) - by Country

Table 6. United States: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Equipment

Table 7. United States: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by End User

Table 8. Canada: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Equipment

Table 9. Canada: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by End User

Table 10. Mexico: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by Equipment

Table 11. Mexico: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021 - 2031(US\$ Million) - by End User

Table 12. Recent Organic Growth Strategies in the Chronic Total Occlusion Market

Table 13. Recent Inorganic Growth Strategies in the Chronic Total Occlusion Market

Table 14. Glossary of Terms

List Of Figures

LIST OF FIGURES

Figure 1. North America Chronic Total Occlusion Market Segmentation - Country

Figure 2. PEST Analysis

Figure 3. Impact Analysis of Drivers and Restraints

Figure 4. North America Chronic Total Occlusion Market Revenue (US\$ Million), 2021-2031

Figure 5. North America Chronic Total Occlusion Market Share (%) - by Equipment (2024 and 2031)

Figure 6. Guide Wires: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 7. Micro Catheters: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 8. Crossing Devices: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 9. Re-Entry Devices: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 10. Others: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 11. North America Chronic Total Occlusion Market Share (%) - by End User (2024 and 2031)

Figure 12. Hospitals: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 13. Ambulatory Care Centers: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 14. Others: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021-2031 (US\$ Million)

Figure 15. North America Chronic Total Occlusion Market Breakdown, by Key Countries, 2024 and 2031 (%)

Figure 16. United States: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021- 2031 (US\$ Million)

Figure 17. Canada: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021- 2031 (US\$ Million)

Figure 18. Mexico: North America Chronic Total Occlusion Market - Revenue and Forecast, 2021- 2031 (US\$ Million)

Figure 19. Growth Strategies in the Chronic Total Occlusion Market

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