

Temperature Management Systems Market by Product (Warming Systems (Surface, Intravascular), Cooling Systems, Application (Perioperative, Acute, Newborn Care), Medical Speciality (Cardiology, Neurology, Pediatrics, Orthopedics) - Global Forecast to 2028

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Abstracts

The global temperature management systems market is projected to reach USD 3.9 Billion by 2028 from USD 3.0 Billion in 2023, at a CAGR of 4.9% during the forecast period. Growth of patient warming systems and patient cooling systems is mainly driven by the, the rising number of surgical procedures, and the increasing number of hypothermia cases. The increased use of surgical procedure is expected to drive the adoption patient warming systems and patient cooling systems by the more number of hospitals.

“The Perioperative Care segment accounted for the highest market share in the application segment market, by application, during the forecast period.”

Based on the application of the segment, the temperature management systems market is categorized as Perioperative care, acute care, newborn care, and other applications. Perioperative care is expected to have the highest growth in the market, which is attributed to the rising prevalence of various chronic diseases like cancer where temperature management systems are used to maintain hypothermia during the operative treatment and. Increasing growth opportunities in emerging economies will drive the Perioperative care.

“The North America segment accounted for the highest market share in temperature management systems market, by region, during the forecast period.”

Based on the region, the global temperature management systems market is categorized into North America, Europe, Asia Pacific, and Rest of the world. North America is expected to witness a high market share during the forecast period due to growth development and awareness of the use of patient warming and cooling systems order to maintain the temperature the patient while any operative or surgical procedure. For instance, In 2022, over 1.87 million surgical procedures were performed in the US. Hypothermia is a common condition observed in surgical procedures due to the usage of anesthesia. Mild hypothermia is extremely common during anesthesia and surgery. Mild, treatable cases of hypothermia are more common, especially among groups of people who are at risk. In the United States, between 700 and 1,500 people die every year from hypothermia. This necessitates the use of surface and intravascular warming devices; as a result, the increasing volume of surgical procedures is expected to impact the temperature management systems market in the North America region.

Breakdown of supply-side primary interviews by company type, designation, and region:

By Company Type: Tier 1 (30%), Tier 2 (44%), and Tier 3 (26%)

By Designation: C-level (30%), Director-level (33%), and Others (37%)

By Region: North America (40%), Europe (28%), Asia-Pacific (18%), RoW- (14%),

Prominent companies include 3M Company (US), GE Healthcare (US), Dragerwerk AG & Co. KGAA (Germany), Ecolab (US), Asahi-Kasei Corporation (Japan), Becton, Dickinson and Company (US), ICU Medical (US), Gentherm Incorporated (US), Inspiration Healthcare Group PLC (UK), Medtronic PLC (Ireland), Stryker Corporation (US), The Surgical Company (Netherlands), Adroit Medical Systems (US), Attune Medical (US), Augustine Surgical, Inc (US), Belmont Medical Technologies (US), Biegler GMBH (Austria), Encompass Group, Ilc (US), Entermics, INC (US), Hirtz & Co. KG (Germany), Istanbul Medikal Ltd. (Istanbul), Life Recovery Systems (US), Medcare Visions (Germany), TahatAksi (Belarus) and Beijing Eternal Medical Technology Co., Ltd (China).

Research Coverage

This research report categorizes the temperature management systems market which is segmented into product used for temperature management and the applications of

those products along with the medical speciality segment use in the hospital. The product used for the temperature management is divided into three types Patient Warming Systems i.e. Surface Warming Systems and Intravascular Warming Systems, Patient Cooling Systems i.e. Surface Cooling Systems and Intravascular Cooling Systems and Accessories and Patient warming/cooling systems. The Application segment is classified as the Perioperative Care, Acute Care, Newborn Care and Other applications. Medical specialty segment is classified as General Surgery, Cardiology, Neurology, Pediatrics, Thoracic Surgery, Orthopedic Surgery and Other Medical Specialities, and regional segment is divided as the North America, Europe, Asia Pacific and Rest of world. The scope of the report covers detailed information regarding the major factors like market dynamics such as drivers, restraints, challenges, and opportunities which is influencing the growth of the temperature management systems market. A detailed analysis of the key industry players has been also the companies new launches, developments, mergers and acquisitions associated with the temperature management systems market has been covered. Competitive analysis of upcoming startups in the temperature management systems market ecosystem is covered in this report.

Key Benefits of Buying the Report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall temperature management systems market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Increasing prevalence of chronic and infectious diseases, rising number of surgical procedures and Increasing number of hypothermia cases), restraints (High cost of intravascular temperature management systems, Lack of awareness regarding temperature management systems in developing countries and Lack of proper supply chain management) opportunities (Increasing growth opportunities in emerging markets, Growing number of contracts and agreements between market players and Developing healthcare infrastructure) and Challenges (Product recalls and Lack of skilled healthcare professionals) are influencing the growth of the temperature

management systems market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the temperature management systems market.

Market Development: Comprehensive information about lucrative markets – the report analyses the temperature management systems market across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the temperature management systems market

Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players, among others, in the temperature management systems market strategies.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 INCLUSIONS AND EXCLUSIONS OF STUDY

1.3 MARKET SCOPE

1.3.1 MARKETS COVERED

FIGURE 1 TEMPERATURE MANAGEMENT SYSTEMS MARKET SEGMENTATION

1.3.2 YEARS CONSIDERED

1.4 CURRENCY

1.5 STAKEHOLDERS

1.6 LIMITATIONS

1.7 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Secondary sources

2.1.2 PRIMARY DATA

FIGURE 3 PRIMARY SOURCES

2.1.2.1 Key data from primary sources

2.1.2.2 Key industry insights

2.1.2.3 Breakdown of primary interviews

FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

2.2 MARKET SIZE ESTIMATION

2.2.1 APPROACH 1: COMPANY REVENUE ESTIMATION APPROACH

FIGURE 5 BOTTOM-UP APPROACH: COMPANY REVENUE ESTIMATION

2.2.2 APPROACH 2: NUMBER OF TEMPERATURE MANAGEMENT SYSTEMS

TABLE 1 REVENUE ESTIMATION APPROACH BY CALCULATING MARKET SIZE OF TEMPERATURE MANAGEMENT SYSTEMS MARKET

2.2.3 APPROACH 3: PRESENTATIONS OF COMPANIES AND PRIMARY INTERVIEWS

2.2.4 APPROACH 4: PRIMARY INTERVIEWS

2.3 GROWTH FORECAST

FIGURE 6 CAGR PROJECTIONS: SUPPLY-SIDE ANALYSIS

FIGURE 7 TOP-DOWN APPROACH

2.4 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 8 DATA TRIANGULATION METHODOLOGY

2.5 MARKET SHARE ANALYSIS

2.6 MARKET ASSUMPTIONS

2.7 RISK ASSESSMENT

TABLE 2 RISK ASSESSMENT

2.8 RECESSION IMPACT ON TEMPERATURE MANAGEMENT SYSTEMS MARKET

3 EXECUTIVE SUMMARY

FIGURE 9 TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2023 VS. 2028 (USD MILLION)

FIGURE 10 TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2023 VS. 2028 (USD MILLION)

FIGURE 11 TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2023 VS. 2028 (USD MILLION)

FIGURE 12 GEOGRAPHICAL SNAPSHOT OF TEMPERATURE MANAGEMENT SYSTEMS MARKET

4 PREMIUM INSIGHTS

4.1 TEMPERATURE MANAGEMENT SYSTEMS MARKET OVERVIEW

FIGURE 13 INCREASING NUMBER OF HYPOTHERMIA CASES TO DRIVE MARKET

4.2 NORTH AMERICA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT AND COUNTRY, 2022

FIGURE 14 PATIENT WARMING SYSTEMS HELD LARGEST SHARE OF NORTH AMERICAN MARKET IN 2022

4.3 TEMPERATURE MANAGEMENT SYSTEMS MARKET: GEOGRAPHIC GROWTH OPPORTUNITIES

FIGURE 15 INDIA TO WITNESS HIGHEST GROWTH DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

FIGURE 16 TEMPERATURE MANAGEMENT SYSTEMS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

- 5.2.1.1 Increasing prevalence of chronic and infectious diseases
- 5.2.1.2 Rising number of surgical procedures
- 5.2.1.3 Increasing number of hypothermia cases

5.2.2 RESTRAINTS

- 5.2.2.1 High cost of intravascular temperature management systems
- 5.2.2.2 Lack of awareness regarding temperature management systems in developing countries
- 5.2.2.3 Lack of proper supply chain management

5.2.3 OPPORTUNITIES

- 5.2.3.1 Increasing growth opportunities in emerging economies
- 5.2.3.2 Growing number of contracts and agreements between market players
- 5.2.3.3 Developing healthcare infrastructure

5.2.4 CHALLENGES

- 5.2.4.1 Product recalls
- 5.2.4.2 Lack of skilled healthcare professionals

5.3 VALUE CHAIN ANALYSIS

FIGURE 17 VALUE CHAIN ANALYSIS: MAXIMUM VALUE ADDED DURING MANUFACTURING PHASE

5.4 SUPPLY CHAIN ANALYSIS

FIGURE 18 DISTRIBUTION—STRATEGY PREFERRED BY PROMINENT COMPANIES

5.5 PORTER'S FIVE FORCES ANALYSIS

TABLE 3 PORTER'S FIVE FORCES ANALYSIS: TEMPERATURE MANAGEMENT SYSTEMS MARKET

- 5.5.1 INTENSITY OF COMPETITIVE RIVALRY
- 5.5.2 BARGAINING POWER OF SUPPLIERS
- 5.5.3 BARGAINING POWER OF BUYERS
- 5.5.4 THREAT OF SUBSTITUTES
- 5.5.5 THREAT OF NEW ENTRANTS

5.6 REGULATORY ANALYSIS

TABLE 4 INDICATIVE LIST OF REGULATORY AUTHORITIES GOVERNING TEMPERATURE MANAGEMENT SYSTEMS MARKET

- 5.6.1 NORTH AMERICA
 - 5.6.1.1 US

TABLE 5 CLASSIFICATIONS OF MEDICAL DEVICES BY US FDA

FIGURE 19 PREMARKET NOTIFICATION: 510(K) APPROVAL FOR MEDICAL DEVICES

- 5.6.1.2 Canada

FIGURE 20 CANADA: APPROVAL PROCESS FOR MEDICAL DEVICES**5.6.2 EUROPE****FIGURE 21 CE APPROVAL PROCESS FOR TEMPERATURE MANAGEMENT SYSTEMS****5.6.3 ASIA PACIFIC****5.6.3.1 Japan****TABLE 6 JAPAN: CLASSIFICATION OF MEDICAL DEVICES****5.6.3.2 China****TABLE 7 NMPA MEDICAL DEVICES CLASSIFICATION****5.6.3.3 India****5.7 TRADE ANALYSIS****5.7.1 TRADE ANALYSIS FOR TEMPERATURE MANAGEMENT SYSTEMS****TABLE 8 IMPORT DATA FOR HS CODE 901890, BY COUNTRY, 2018–2022 (USD MILLION)****TABLE 9 EXPORT DATA FOR HS CODE 901890, BY COUNTRY, 2018–2022 (USD MILLION)****5.8 TECHNOLOGY ANALYSIS****5.9 ECOSYSTEM ANALYSIS****FIGURE 22 TEMPERATURE MANAGEMENT SYSTEMS MARKET: ECOSYSTEM ANALYSIS****5.9.1 ROLE IN ECOSYSTEM****FIGURE 23 KEY PLAYERS IN TEMPERATURE MANAGEMENT SYSTEMS ECOSYSTEM****5.10 PATENT ANALYSIS****FIGURE 24 PATENT ANALYSIS FOR TEMPERATURE MANAGEMENT SYSTEMS****5.11 KEY CONFERENCES AND EVENTS IN 2023–2024****TABLE 10 LIST OF CONFERENCES AND EVENTS IN 2023–2024****5.12 PRICING ANALYSIS****TABLE 11 AVERAGE SELLING PRICE OF KEY PRODUCTS IN TEMPERATURE MANAGEMENT SYSTEMS MARKET (2022)****TABLE 12 AVERAGE SELLING PRICE TRENDS, BY REGION, 2022****5.13 TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS****5.13.1 REVENUE SHIFT & REVENUE POCKETS FOR TEMPERATURE MANAGEMENT SYSTEM MANUFACTURERS****FIGURE 25 REVENUE SHIFT FOR TEMPERATURE MANAGEMENT SYSTEMS****5.14 KEY STAKEHOLDERS AND BUYING CRITERIA****5.14.1 KEY STAKEHOLDERS IN BUYING PROCESS****FIGURE 26 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR END USERS**

TABLE 13 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR END USERS

5.14.2 BUYING CRITERIA

FIGURE 27 KEY BUYING CRITERIA FOR TOP END USERS

TABLE 14 KEY BUYING CRITERIA, BY TOP END USER

6 TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT

6.1 INTRODUCTION

TABLE 15 TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

6.2 PATIENT WARMING SYSTEMS

TABLE 16 PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 17 PATIENT WARMING SYSTEMS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.2.1 SURFACE WARMING SYSTEMS

TABLE 18 SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 19 SURFACE WARMING SYSTEMS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.2.1.1 Convective warming systems

6.2.1.1.1 Rising adoption among hospitals to drive market

TABLE 20 CONVECTIVE WARMING SYSTEMS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.2.1.2 Conductive warming systems

6.2.1.2.1 Safe, inexpensive, and effective method for warming patients during perioperative procedures

TABLE 21 CONDUCTIVE WARMING SYSTEMS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.2.2 INTRAVASCULAR WARMING SYSTEMS

6.2.2.1 Technological advancements to aid market growth

TABLE 22 INTRAVASCULAR WARMING SYSTEMS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.3 PATIENT COOLING SYSTEMS

TABLE 23 PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 24 PATIENT COOLING SYSTEMS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.3.1 SURFACE COOLING SYSTEMS

6.3.1.1 Risk of skin lesions and burns to limit market growth

TABLE 25 SURFACE COOLING SYSTEMS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.3.2 INTRAVASCULAR COOLING SYSTEMS

6.3.2.1 Increased precision in smaller temperature ranges to drive adoption

TABLE 26 INTRAVASCULAR COOLING SYSTEMS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.4 ACCESSORIES AND PATIENT WARMING & COOLING SYSTEMS

6.4.1 INCREASING DEMAND FOR ACCESSORIES FOR PATIENT WARMING & COOLING SYSTEMS TO DRIVE GROWTH

TABLE 27 ACCESSORIES AND PATIENT WARMING & COOLING SYSTEMS MARKET, BY REGION, 2021–2028 (USD MILLION)

7 TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION

7.1 INTRODUCTION

TABLE 28 TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

7.2 PERIOPERATIVE CARE

TABLE 29 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 30 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY REGION, 2021–2028 (USD MILLION)

7.2.1 OPERATING ROOMS

7.2.1.1 Increasing number of surgical procedures to drive demand

TABLE 31 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR OPERATING ROOMS, BY REGION, 2021–2028 (USD MILLION)

7.2.2 POSTOPERATIVE CARE UNITS

7.2.2.1 Need to monitor hypothermia in surgical patients to support market growth

TABLE 32 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR POSTOPERATIVE CARE UNITS, BY REGION, 2021–2028 (USD MILLION)

7.2.3 PREOPERATIVE CARE UNITS

7.2.3.1 Prewarming in preoperative care fails to eliminate initial fall in body temperature

TABLE 33 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PREOPERATIVE CARE UNITS, BY REGION, 2021–2028 (USD MILLION)

7.3 ACUTE CARE

TABLE 34 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE,

BY FACILITY, 2021–2028 (USD MILLION)

TABLE 35 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY REGION, 2021–2028 (USD MILLION)

7.3.1 INTENSIVE CARE UNITS

7.3.1.1 Growing prevalence of life-threatening diseases to drive market

TABLE 36 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR INTENSIVE CARE UNITS, BY REGION, 2021–2028 (USD MILLION)

7.3.2 EMERGENCY ROOMS

7.3.2.1 Rising number of ER visits to drive growth

TABLE 37 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR EMERGENCY ROOMS, BY REGION, 2021–2028 (USD MILLION)

7.3.3 CORONARY CARE UNITS

7.3.3.1 Risks associated with use of intravascular temperature management to hamper market growth

TABLE 38 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR CORONARY CARE UNITS, BY REGION, 2021–2028 (USD MILLION)

7.3.4 BURN CENTERS

7.3.4.1 Severe effects of hypothermia on burn victims necessitate temperature management measures

TABLE 39 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR BURN CENTERS, BY REGION, 2021–2028 (USD MILLION)

7.3.5 NEUROLOGICAL CARE UNITS

7.3.5.1 Growing prevalence of Alzheimer's, stroke, and other neurological diseases to drive market

TABLE 40 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEUROLOGICAL CARE UNITS, BY REGION, 2021–2028 (USD MILLION)

7.3.6 CATH LABS

7.3.6.1 High incidence of cardiac arrests to support demand for temperature management

TABLE 41 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR CATH LABS, BY REGION, 2021–2028 (USD MILLION)

7.4 NEWBORN CARE

TABLE 42 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 43 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY REGION, 2021–2028 (USD MILLION)

7.4.1 DELIVERY SUITES

7.4.1.1 High birth rate in developing regions to support market growth

TABLE 44 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR DELIVERY

SUITES, BY REGION, 2021–2028 (USD MILLION)

7.4.2 NEONATAL INTENSIVE CARE UNITS

7.4.2.1 High neonatal death rates increased demand for temperature management systems

TABLE 45 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEONATAL INTENSIVE CARE UNITS, BY REGION, 2021–2028 (USD MILLION)

7.4.3 POSTNATAL WARDS

7.4.3.1 Increasing recommendations for postnatal care to support market growth
TABLE 46 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR POSTNATAL WARDS, BY REGION, 2021–2028 (USD MILLION)

7.5 OTHER APPLICATIONS

TABLE 47 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR OTHER APPLICATIONS, BY REGION, 2021–2028 (USD MILLION)

8 TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY

8.1 INTRODUCTION

TABLE 48 TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

8.2 GENERAL SURGERY

8.2.1 LARGE NUMBER OF GENERAL SURGERIES PERFORMED TO DRIVE MARKET

TABLE 49 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR GENERAL SURGERY, BY REGION, 2021–2028 (USD MILLION)

8.3 CARDIOLOGY

8.3.1 HIGH INCIDENCE OF CARDIAC ARRESTS TO PROPEL MARKET
TABLE 50 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR CARDIOLOGY, BY REGION, 2021–2028 (USD MILLION)

8.4 NEUROLOGY

8.4.1 INCREASING INCIDENCE OF TRAUMATIC BRAIN INJURY, STROKE, AND TUMOR TO SUPPORT MARKET GROWTH
TABLE 51 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEUROLOGY, BY REGION, 2021–2028 (USD MILLION)

8.5 PEDIATRICS

8.5.1 INCREASING FOCUS ON REDUCING INFANT MORTALITY TO SUPPORT MARKET GROWTH
TABLE 52 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PEDIATRICS, BY REGION, 2021–2028 (USD MILLION)

8.6 THORACIC SURGERY

8.6.1 INCREASING PREVALENCE OF LUNG DISEASES TO DRIVE ADOPTION
TABLE 53 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR THORACIC SURGERY, BY REGION, 2021–2028 (USD MILLION)

8.7 ORTHOPEDIC SURGERY

8.7.1 GROWING NUMBER OF KNEE AND HIP REPLACEMENT PROCEDURES TO PROPEL MARKET

TABLE 54 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ORTHOPEDIC SURGERY, BY REGION, 2021–2028 (USD MILLION)

8.8 OTHER MEDICAL SPECIALTIES

TABLE 55 TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR OTHER MEDICAL SPECIALTIES, BY REGION, 2021–2028 (USD MILLION)

9 TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY REGION

9.1 INTRODUCTION

TABLE 56 TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY REGION, 2021–2028 (USD MILLION)

9.2 NORTH AMERICA

FIGURE 28 NORTH AMERICA: TEMPERATURE MANAGEMENT SYSTEMS MARKET SNAPSHOT

TABLE 57 NORTH AMERICA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 58 NORTH AMERICA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 59 NORTH AMERICA: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 60 NORTH AMERICA: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 61 NORTH AMERICA: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 62 NORTH AMERICA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 63 NORTH AMERICA: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 64 NORTH AMERICA: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 65 NORTH AMERICA: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 66 NORTH AMERICA: TEMPERATURE MANAGEMENT SYSTEMS MARKET,

BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)**9.2.1 US**

9.2.1.1 Large volume of surgical procedures to support market growth

TABLE 67 US: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 68 US: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 69 US: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 70 US: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 71 US: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 72 US: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 73 US: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 74 US: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 75 US: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

9.2.2 CANADA

9.2.2.1 Increasing incidence of various chronic diseases to drive market

TABLE 76 CANADA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 77 CANADA: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 78 CANADA: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 79 CANADA: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 80 CANADA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 81 CANADA: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 82 CANADA: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 83 CANADA: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 84 CANADA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

9.3 EUROPE

TABLE 85 EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 86 EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 87 EUROPE: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 88 EUROPE: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 89 EUROPE: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 90 EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 91 EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 92 EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 93 EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 94 EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

9.3.1 GERMANY

9.3.1.1 High demand for patient warming devices for perioperative care to drive market

TABLE 95 GERMANY: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 96 GERMANY: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 97 GERMANY: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 98 GERMANY: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 99 GERMANY: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 100 GERMANY: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 101 GERMANY: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR

ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 102 GERMANY: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 103 GERMANY: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

9.3.2 UK

9.3.2.1 Large number of inpatient surgical procedures to drive market

TABLE 104 UK: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 105 UK: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 106 UK: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 107 UK: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 108 UK: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 109 UK: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 110 UK: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 111 UK: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 112 UK: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

9.3.3 FRANCE

9.3.3.1 Strong healthcare system to support market growth

TABLE 113 FRANCE: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 114 FRANCE: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 115 FRANCE: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 116 FRANCE: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 117 FRANCE: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 118 FRANCE: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 119 FRANCE: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 120 FRANCE: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 121 FRANCE: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

9.3.4 REST OF EUROPE

TABLE 122 REST OF EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 123 REST OF EUROPE: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 124 REST OF EUROPE: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 125 REST OF EUROPE: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 126 REST OF EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 127 REST OF EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 128 REST OF EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 129 REST OF EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 130 REST OF EUROPE: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

9.4 ASIA PACIFIC

FIGURE 29 ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET SNAPSHOT

TABLE 131 ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 132 ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 133 ASIA PACIFIC: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 134 ASIA PACIFIC: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 135 ASIA PACIFIC: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 136 ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY

APPLICATION, 2021–2028 (USD MILLION)

TABLE 137 ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 138 ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 139 ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 140 ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

9.4.1 CHINA

9.4.1.1 Increasing disposable income of middle-class population to support market growth

TABLE 141 CHINA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 142 CHINA: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 143 CHINA: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 144 CHINA: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 145 CHINA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 146 CHINA: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 147 CHINA: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 148 CHINA: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 149 CHINA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

9.4.2 JAPAN

9.4.2.1 Rapidly increasing geriatric population to drive market

TABLE 150 JAPAN: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 151 JAPAN: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 152 JAPAN: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 153 JAPAN: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028

(USD MILLION)

TABLE 154 JAPAN: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 155 JAPAN: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 156 JAPAN: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 157 JAPAN: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 158 JAPAN: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

9.4.3 INDIA

9.4.3.1 Growing target patient population to support market growth

TABLE 159 INDIA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 160 INDIA: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 161 INDIA: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 162 INDIA: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 163 INDIA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 164 INDIA: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 165 INDIA: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 166 INDIA: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 167 INDIA: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

9.4.4 REST OF ASIA PACIFIC

TABLE 168 REST OF ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 169 REST OF ASIA PACIFIC: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 170 REST OF ASIA PACIFIC: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 171 REST OF ASIA PACIFIC: PATIENT COOLING SYSTEMS MARKET, BY

TYPE, 2021–2028 (USD MILLION)

TABLE 172 REST OF ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 173 REST OF ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 174 REST OF ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 175 REST OF ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 176 REST OF ASIA PACIFIC: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

9.5 REST OF THE WORLD

TABLE 177 REST OF THE WORLD: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 178 REST OF THE WORLD: PATIENT WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 179 REST OF THE WORLD: SURFACE WARMING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 180 REST OF THE WORLD: PATIENT COOLING SYSTEMS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 181 REST OF THE WORLD: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 182 REST OF THE WORLD: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR PERIOPERATIVE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 183 REST OF THE WORLD: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR ACUTE CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 184 REST OF THE WORLD: TEMPERATURE MANAGEMENT SYSTEMS MARKET FOR NEWBORN CARE, BY FACILITY, 2021–2028 (USD MILLION)

TABLE 185 REST OF THE WORLD: TEMPERATURE MANAGEMENT SYSTEMS MARKET, BY MEDICAL SPECIALTY, 2021–2028 (USD MILLION)

10 COMPETITIVE LANDSCAPE

10.1 OVERVIEW

10.2 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 186 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS IN TEMPERATURE MANAGEMENT SYSTEMS MARKET

10.3 REVENUE SHARE ANALYSIS

FIGURE 30 REVENUE SHARE ANALYSIS OF TOP PLAYERS IN TEMPERATURE

MANAGEMENT SYSTEMS MARKET, 2018–2022 (USD MILLION)

10.4 MARKET SHARE ANALYSIS

FIGURE 31 TEMPERATURE MANAGEMENT SYSTEMS MARKET SHARE ANALYSIS, 2022

TABLE 187 TEMPERATURE MANAGEMENT SYSTEMS MARKET: DEGREE OF COMPETITION

10.5 COMPANY EVALUATION MATRIX

10.5.1 STARS

10.5.2 EMERGING LEADERS

10.5.3 PERVASIVE PLAYERS

10.5.4 PARTICIPANTS

FIGURE 32 TEMPERATURE MANAGEMENT SYSTEMS MARKET: COMPANY EVALUATION MATRIX FOR KEY PLAYERS (2022)

10.6 SME/STARTUP EVALUATION MATRIX

10.6.1 PROGRESSIVE COMPANIES

10.6.2 RESPONSIVE COMPANIES

10.6.3 DYNAMIC COMPANIES

10.6.4 STARTING BLOCKS

FIGURE 33 TEMPERATURE MANAGEMENT SYSTEMS MARKET: SME/STARTUP EVALUATION MATRIX (2022)

10.7 COMPETITIVE BENCHMARKING

TABLE 188 TEMPERATURE MANAGEMENT SYSTEMS MARKET: DETAILED LIST OF KEY STARTUPS/SMES

10.8 COMPANY FOOTPRINT

TABLE 189 OVERALL FOOTPRINT ANALYSIS OF COMPANIES

TABLE 190 PRODUCT FOOTPRINT ANALYSIS OF COMPANIES

TABLE 191 REGIONAL FOOTPRINT ANALYSIS OF COMPANIES

10.9 COMPETITIVE SCENARIO

10.9.1 PRODUCT LAUNCHES

TABLE 192 KEY PRODUCT LAUNCHES, JANUARY 2020–SEPTEMBER 2023

10.9.2 DEALS

TABLE 193 KEY DEALS, JANUARY 2020–SEPTEMBER 2023

10.9.3 OTHER DEVELOPMENTS

TABLE 194 OTHER KEY DEVELOPMENTS, JANUARY 2020–SEPTEMBER 2023

11 COMPANY PROFILES

11.1 KEY PLAYERS

(Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM

view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats)*

11.1.1 3M COMPANY

TABLE 195 3M COMPANY: BUSINESS OVERVIEW

FIGURE 34 3M COMPANY: COMPANY SNAPSHOT (2022)

11.1.2 GE HEALTHCARE

TABLE 196 GE HEALTHCARE: BUSINESS OVERVIEW

FIGURE 35 GE HEALTHCARE: COMPANY SNAPSHOT (2022)

11.1.3 DR?GERWERK AG & CO. KGAA

TABLE 197 DR?GERWERK AG & CO. KGAA: BUSINESS OVERVIEW

FIGURE 36 DR?GERWERK AG & CO. KGAA: COMPANY SNAPSHOT (2022)

11.1.4 ECOLAB

TABLE 198 ECOLAB: BUSINESS OVERVIEW

FIGURE 37 ECOLAB: COMPANY SNAPSHOT (2022)

11.1.5 ASAHI KASEI CORPORATION (ZOLL MEDICAL CORPORATION)

TABLE 199 ASAHI KASEI CORPORATION: BUSINESS OVERVIEW

FIGURE 38 ASAHI KASEI CORPORATION: COMPANY SNAPSHOT (2022)

11.1.6 BECTON, DICKINSON AND COMPANY

TABLE 200 BECTON, DICKINSON AND COMPANY: BUSINESS OVERVIEW

FIGURE 39 BECTON, DICKINSON AND COMPANY: COMPANY SNAPSHOT (2022)

11.1.7 ICU MEDICAL, INC.

TABLE 201 ICU MEDICAL, INC.: BUSINESS OVERVIEW

FIGURE 40 ICU MEDICAL, INC.: COMPANY SNAPSHOT (2022)

11.1.8 GENTHERM INCORPORATED

TABLE 202 GENTHERM INCORPORATED: BUSINESS OVERVIEW

FIGURE 41 GENTHERM INCORPORATED: COMPANY SNAPSHOT (2022)

11.1.9 INSPIRATION HEALTHCARE GROUP PLC

TABLE 203 INSPIRATION HEALTHCARE GROUP PLC: BUSINESS OVERVIEW

FIGURE 42 INSPIRATION HEALTHCARE GROUP PLC: COMPANY SNAPSHOT (2023)

11.1.10 MEDTRONIC PLC

TABLE 204 MEDTRONIC PLC: BUSINESS OVERVIEW

FIGURE 43 MEDTRONIC PLC: COMPANY SNAPSHOT (2022)

11.1.11 STRYKER CORPORATION

TABLE 205 STRYKER CORPORATION: BUSINESS OVERVIEW

FIGURE 44 STRYKER CORPORATION: COMPANY SNAPSHOT (2022)

11.1.12 THE SURGICAL COMPANY

TABLE 206 THE SURGICAL COMPANY: BUSINESS OVERVIEW

11.2 OTHER PLAYERS

- 11.2.1 ADROIT MEDICAL SYSTEMS
- 11.2.2 ATTUNE MEDICAL
- 11.2.3 AUGUSTINE SURGICAL, INC.
- 11.2.4 BELMONT MEDICAL TECHNOLOGIES
- 11.2.5 BIEGLER GMBH
- 11.2.6 ENCOMPASS GROUP, LLC
- 11.2.7 ENTHERMICS, INC.
- 11.2.8 HIRTZ & CO. KG.
- 11.2.9 ISTANBUL MEDIKAL LTD.
- 11.2.10 LIFE RECOVERY SYSTEMS
- 11.2.11 MEDCARE VISIONS GMBH
- 11.2.12 TAHATAKSI ALC
- 11.2.13 BEIJING ETERNAL MEDICAL TECHNOLOGY CO., LTD.

Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats) might not be captured in case of unlisted companies.

12 APPENDIX

- 12.1 DISCUSSION GUIDE
- 12.2 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL
- 12.3 CUSTOMIZATION OPTIONS
- 12.4 RELATED REPORTS
- 12.5 AUTHOR DETAILS

About

The healthcare expenditure of a country includes spending by both public and private sources on medical services and goods, public health and prevention programs, and administration. Increase in healthcare expenditure is a direct indicator of a country's growth in the healthcare market. In addition, it also reflects the improvements in diverse financing and organizational structures of the healthcare system in a particular country.

Increasing government expenditure is poised to support the development of hospitals and clinics, which in turn will increase the demand of temperature management devices in various countries accordingly. For instance, the U.S. spends \$8,508 per person on healthcare; this figure is almost two-and-a-half times that of countries in the Organization for Economic Co-operation and Development (OECD), and 50% higher than the next-highest spending countries, namely, Norway and Switzerland. Owing to this, the adoption of temperature management systems is highest in the U.S. among the key developing economies (outside of the OECD countries). In 2011, the per capita spending on health in China and India was 13% and 4% of the OECD average, respectively. Mexico and Turkey were the lowest per capita spenders on health among the OECD countries, with levels of less than a third of the OECD average. These countries showcase low adoption of temperature management devices. Thus, the total healthcare expenditure of a nation indirectly impacts the overall demand for temperature management devices in that country.

Rising aging population results in an increasing demand for surgical procedures such as cardiovascular, central nervous system, and orthopedic surgeries, which in turn drives the demand for patient temperature management systems. The impact of the aging population was determined using multiple sources such as World Health Organization (WHO), the Agency for Healthcare Research and Quality, the Organization for Economic Co-operation and Development (OECD), and the UN Population Division.

To study the impact of the aging population on the temperature management market, we selected major countries from every region [North America, Europe, Asia-Pacific, and the Rest of the World (RoW)]. The extent of aging population in various countries directly impacts the adoption of patient temperature management products in these countries.

The rapidly increasing aging population has considerably fuelled the growth of the temperature management market. There were 880 million people worldwide aged 60

years and above in 2011 and this number is expected to reach 2 billion by 2050, representing 22% of the world's population (Source: UN Population Division). Moreover, the risk of diseases increases with age, which ultimately increases the demand for surgical procedures in patients with cardiovascular diseases, neurological disorders, and orthopedic-related ailments, among others.

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