

# **Male Fertility Tracking Market Forecasts to 2032 – Global Analysis By Product (At-home semen analysis kits, Smartphone-based semen analyzers, Connected home analyzers, Hormone test kits, Scrotal temperature sensors and Other Products), Use Case, Distribution Channel, Technology, End User and By Geography**

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## **Abstracts**

According to Statistics MRC, the Global Male Fertility Tracking Market is accounted for \$4.48 billion in 2025 and is expected to reach \$6.97 billion by 2032 growing at a CAGR of 6.51% during the forecast period. Male fertility tracking refers to the process of monitoring and analyzing various biological, lifestyle, and health factors that influence male reproductive potential. It involves tracking parameters such as sperm count, motility, morphology, testosterone levels, scrotal temperature, and lifestyle habits like diet, exercise, sleep, and stress management. Advanced digital tools, wearables, and mobile applications are increasingly used to provide real-time insights and predictive analytics. By identifying fertility patterns, potential issues, and optimal timing for conception, male fertility tracking supports couples in achieving pregnancy goals, while also helping men maintain reproductive health and detect early signs of underlying medical conditions.

Market Dynamics:

Driver:

Rising prevalence of male-factor infertility

Declining sperm health and heightened awareness are encouraging earlier diagnostic engagement. Digital tools such as mobile apps and at-home kits are emerging as accessible alternatives to lab-based testing. AI-powered semen analysis is improving diagnostic precision and user experience. Integration with broader fertility care pathways is enhancing continuity of care. These trends are positioning the market as a key enabler of proactive reproductive health.

#### Restraint:

##### Clinical skepticism and limited integration with care pathways

Concerns about accuracy and standardization hinder physician endorsement. Lack of compatibility with electronic health systems reduces clinical utility. Disjointed care pathways weaken the link between tracking and treatment. Regulatory uncertainty around digital health tools slows institutional uptake. These issues continue to restrict clinical deployment.

#### Opportunity:

##### Greater public awareness and reduced stigma

Educational initiatives and media coverage are fostering open dialogue around reproductive health. Younger users are more receptive to digital wellness tools. Collaborations between tech firms and healthcare providers are enhancing credibility and reach. Social platforms are amplifying visibility and engagement. These shifts are creating momentum for market expansion.

#### Threat:

##### Fragmented reimbursement and out-of-pocket cost burden

Diagnostic kits and digital platforms are often excluded from standard health benefits. Cost-sensitive users may delay or avoid testing due to affordability concerns. Public funding for male reproductive health remains limited. Regional disparities in reimbursement policies exacerbate access gaps. These financial constraints pose risks to inclusive market growth.

#### Covid-19 Impact:

The Covid-19 pandemic significantly influenced the Male Fertility Tracking Market by disrupting supply chains, delaying product launches, and limiting in-person medical consultations. Lockdowns and social distancing measures reduced access to fertility clinics, slowing adoption of related technologies. However, increased awareness of reproductive health and the growing preference for digital platforms boosted demand for fertility tracking apps and home-based solutions. The shift toward telehealth services and remote monitoring tools accelerated innovation, fostering long-term opportunities despite initial market challenges.

The at-home semen analysis kits segment is expected to be the largest during the forecast period

The at-home semen analysis kits segment is expected to account for the largest market share during the forecast period due to rising demand for discreet and user-friendly diagnostics. These kits provide real-time insights into sperm parameters without clinical visits. Integration with mobile apps enhances tracking and engagement. E-commerce availability is expanding consumer access. Preference for privacy and affordability is driving adoption. This segment will remain dominant in male fertility tracking.

The fertility clinics & IVF centers segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the fertility clinics & IVF centers segment is predicted to witness the highest growth rate owing to increased integration of digital tracking tools in assisted reproduction. Clinics are adopting connected diagnostics to personalize treatment and improve efficiency. Demand for data-driven fertility care is prompting investment in smart technologies. Partnerships between device makers and clinical networks are enhancing interoperability. Growth in IVF services and male-factor diagnoses is accelerating adoption. This segment is set for rapid expansion across global fertility care ecosystems.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share by rising awareness about reproductive health, growing adoption of digital health tools, and the presence of advanced healthcare infrastructure. Countries like the United States and Canada are witnessing increasing acceptance of at-home fertility kits, smartphone-based analyzers, and connected devices. Supportive healthcare policies and active participation of fertility clinics enhance adoption. The influence of lifestyle-

related fertility issues and high penetration of telehealth platforms further strengthens the market outlook in this region.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, fuelled by a combination of cultural shifts, increasing healthcare digitalization, and rising focus on family planning. Countries such as China, India, Japan, South Korea, and Australia are witnessing a growing adoption of affordable fertility tracking devices and mobile applications. The region is characterized by heightened awareness campaigns and government initiatives supporting reproductive health. Rapid urbanization, rising disposable incomes, and greater smartphone penetration contribute significantly to market growth, making Asia Pacific a dynamic hub for innovation.

Key players in the market

Some of the key players in Male Fertility Tracking Market include Legacy, Trak Fertility, Ro, Hims & Hers Health, EverlyWell, LetsGetChecked, Ferring Pharmaceuticals, Merck KGaA, Bayer AG, Sun Pharmaceutical Industries Ltd., ExSeed Health, Yo Home Sperm Test, Dadi, SpermCheck and Andros Diagnostics.

Key Developments:

In March 2025, Trak Fertility expanded its clinical outreach by partnering with Labcorp to integrate Trak's at-home sperm testing data into Labcorp's digital health ecosystem. This collaboration enhances continuity of care by linking Trak's consumer diagnostics with physician-ordered fertility evaluations and treatment pathways.

In October 2024, Legacy partnered with Posterity Health to deliver integrated male fertility care through a hybrid model combining at-home sperm testing and virtual specialist consultations. The collaboration expands access to semen analysis, DNA fragmentation testing, and hormone care, streamlining diagnostics and treatment for men nationwide.

Products Covered:

At-home semen analysis kits

Smartphone-based semen analyzers

Connected home analyzers

Hormone test kits

Scrotal temperature sensors

Male fertility tracking apps

Accessories & consumables

Other Products

#### Use Cases Covered:

Pre-conception screening

Infertility diagnosis & monitoring

Post-vasectomy confirmation

Treatment monitoring

Lifestyle & wellness optimization

#### Distribution Channels Covered:

Online

Offline retail

Clinical procurement

#### Technologies Covered:

Lateral flow

Microfluidics

Smartphone optical imaging & computer vision

Electrochemical biosensors

AI/ML-based analytics

#### End Users Covered:

Individuals

Fertility clinics & IVF centers

Urology

Telehealth providers

Research & academia

Other End Users

#### Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

### **Free Customization Offerings:**

All the customers of this report will be entitled to receive one of the following free customization options:

#### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

#### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

#### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Product Analysis
- 3.7 Technology Analysis
- 3.8 End User Analysis
- 3.9 Emerging Markets
- 3.10 Impact of Covid-19

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

## **5 GLOBAL MALE FERTILITY TRACKING MARKET, BY PRODUCT**

- 5.1 Introduction
- 5.2 At-home semen analysis kits
- 5.3 Smartphone-based semen analyzers
- 5.4 Connected home analyzers
- 5.5 Hormone test kits
- 5.6 Scrotal temperature sensors
- 5.7 Male fertility tracking apps
- 5.8 Accessories & consumables
- 5.9 Other Products

## **6 GLOBAL MALE FERTILITY TRACKING MARKET, BY USE CASE**

- 6.1 Introduction
- 6.2 Pre-conception screening
- 6.3 Infertility diagnosis & monitoring
- 6.4 Post-vasectomy confirmation
- 6.5 Treatment monitoring
- 6.6 Lifestyle & wellness optimization

## **7 GLOBAL MALE FERTILITY TRACKING MARKET, BY DISTRIBUTION CHANNEL**

- 7.1 Introduction
- 7.2 Online
- 7.3 Offline retail
- 7.4 Clinical procurement

## **8 GLOBAL MALE FERTILITY TRACKING MARKET, BY TECHNOLOGY**

- 8.1 Introduction
- 8.2 Lateral flow
- 8.3 Microfluidics
- 8.4 Smartphone optical imaging & computer vision
- 8.5 Electrochemical biosensors
- 8.6 AI/ML-based analytics

## **9 GLOBAL MALE FERTILITY TRACKING MARKET, BY END USER**

- 9.1 Introduction
- 9.2 Individuals
- 9.3 Fertility clinics & IVF centers
- 9.4 Urology
- 9.5 Telehealth providers
- 9.6 Research & academia
- 9.7 Other End Users

## **10 GLOBAL MALE FERTILITY TRACKING MARKET, BY GEOGRAPHY**

- 10.1 Introduction
- 10.2 North America
  - 10.2.1 US
  - 10.2.2 Canada
  - 10.2.3 Mexico
- 10.3 Europe
  - 10.3.1 Germany
  - 10.3.2 UK
  - 10.3.3 Italy
  - 10.3.4 France
  - 10.3.5 Spain
  - 10.3.6 Rest of Europe
- 10.4 Asia Pacific
  - 10.4.1 Japan
  - 10.4.2 China
  - 10.4.3 India
  - 10.4.4 Australia
  - 10.4.5 New Zealand
  - 10.4.6 South Korea
  - 10.4.7 Rest of Asia Pacific
- 10.5 South America
  - 10.5.1 Argentina
  - 10.5.2 Brazil
  - 10.5.3 Chile
  - 10.5.4 Rest of South America
- 10.6 Middle East & Africa
  - 10.6.1 Saudi Arabia
  - 10.6.2 UAE

- 10.6.3 Qatar
- 10.6.4 South Africa
- 10.6.5 Rest of Middle East & Africa

## **11 KEY DEVELOPMENTS**

- 11.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 11.2 Acquisitions & Mergers
- 11.3 New Product Launch
- 11.4 Expansions
- 11.5 Other Key Strategies

## **12 COMPANY PROFILING**

- 12.1 Legacy
- 12.2 Trak Fertility
- 12.3 Ro
- 12.4 Hims & Hers Health
- 12.5 EverlyWell
- 12.6 LetsGetChecked
- 12.7 Ferring Pharmaceuticals
- 12.8 Merck KGaA
- 12.9 Bayer AG
- 12.10 Sun Pharmaceutical Industries Ltd.
- 12.11 ExSeed Health
- 12.12 Yo Home Sperm Test
- 12.13 Dadi
- 12.14 SpermCheck
- 12.15 Andros Diagnostics

## List Of Tables

### LIST OF TABLES

Table 1 Global Male Fertility Tracking Market Outlook, By Region (2024-2032) (\$MN)

Table 2 Global Male Fertility Tracking Market Outlook, By Product (2024-2032) (\$MN)

Table 3 Global Male Fertility Tracking Market Outlook, By At-home semen analysis kits (2024-2032) (\$MN)

Table 4 Global Male Fertility Tracking Market Outlook, By Smartphone-based semen analyzers (2024-2032) (\$MN)

Table 5 Global Male Fertility Tracking Market Outlook, By Connected home analyzers (2024-2032) (\$MN)

Table 6 Global Male Fertility Tracking Market Outlook, By Hormone test kits (2024-2032) (\$MN)

Table 7 Global Male Fertility Tracking Market Outlook, By Scrotal temperature sensors (2024-2032) (\$MN)

Table 8 Global Male Fertility Tracking Market Outlook, By Male fertility tracking apps (2024-2032) (\$MN)

Table 9 Global Male Fertility Tracking Market Outlook, By Accessories & consumables (2024-2032) (\$MN)

Table 10 Global Male Fertility Tracking Market Outlook, By Other Products (2024-2032) (\$MN)

Table 11 Global Male Fertility Tracking Market Outlook, By Use Case (2024-2032) (\$MN)

Table 12 Global Male Fertility Tracking Market Outlook, By Pre-conception screening (2024-2032) (\$MN)

Table 13 Global Male Fertility Tracking Market Outlook, By Infertility diagnosis & monitoring (2024-2032) (\$MN)

Table 14 Global Male Fertility Tracking Market Outlook, By Post-vasectomy confirmation (2024-2032) (\$MN)

Table 15 Global Male Fertility Tracking Market Outlook, By Treatment monitoring (2024-2032) (\$MN)

Table 16 Global Male Fertility Tracking Market Outlook, By Lifestyle & wellness optimization (2024-2032) (\$MN)

Table 17 Global Male Fertility Tracking Market Outlook, By Distribution Channel (2024-2032) (\$MN)

Table 18 Global Male Fertility Tracking Market Outlook, By Online (2024-2032) (\$MN)

Table 19 Global Male Fertility Tracking Market Outlook, By Offline retail (2024-2032) (\$MN)

Table 20 Global Male Fertility Tracking Market Outlook, By Clinical procurement (2024-2032) (\$MN)

Table 21 Global Male Fertility Tracking Market Outlook, By Technology (2024-2032) (\$MN)

Table 22 Global Male Fertility Tracking Market Outlook, By Lateral flow (2024-2032) (\$MN)

Table 23 Global Male Fertility Tracking Market Outlook, By Microfluidics (2024-2032) (\$MN)

Table 24 Global Male Fertility Tracking Market Outlook, By Smartphone optical imaging & computer vision (2024-2032) (\$MN)

Table 25 Global Male Fertility Tracking Market Outlook, By Electrochemical biosensors (2024-2032) (\$MN)

Table 26 Global Male Fertility Tracking Market Outlook, By AI/ML-based analytics (2024-2032) (\$MN)

Table 27 Global Male Fertility Tracking Market Outlook, By End User (2024-2032) (\$MN)

Table 28 Global Male Fertility Tracking Market Outlook, By Individuals (2024-2032) (\$MN)

Table 29 Global Male Fertility Tracking Market Outlook, By Fertility clinics & IVF centers (2024-2032) (\$MN)

Table 30 Global Male Fertility Tracking Market Outlook, By Urology (2024-2032) (\$MN)

Table 31 Global Male Fertility Tracking Market Outlook, By Telehealth providers (2024-2032) (\$MN)

Table 32 Global Male Fertility Tracking Market Outlook, By Research & academia (2024-2032) (\$MN)

Table 33 Global Male Fertility Tracking Market Outlook, By Other End Users (2024-2032) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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