

U.S. Fertility Diagnostic Market Size, Share & Trends Analysis Report By Procedure Type (X-ray-Based Tubal Patency Testing, Structural & Morphologic Imaging), By Technology Type, By Clinical Setting, By Region, And Segment Forecasts, 2026 - 2033

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Abstracts

The U.S. fertility diagnostic market size was valued at USD 1.07 billion in 2025 and is projected to reach USD 1.92 billion by 2033, growing at a CAGR of 7.6% from 2026 to 2033. The rise in infertility and high rate of identifiable causes are key factors driving the U.S. market for fertility diagnostics.

In addition, the increasing emphasis on comprehensive diagnostic evaluations is supporting the continued growth and technological advancement of fertility diagnostic solutions. The section below outlines key market factors such as research and development and trends shaping the fertility diagnostic market. It reflects technological advancements, the impact of demographics, and other factors that are strengthening diagnostic capabilities, improving early infertility detection, and expanding access to advanced fertility testing solutions across the U.S.

U.S. Fertility Diagnostic Market Report Segmentation

This report forecasts revenue growth at the country level and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the U.S. fertility diagnostic market report based on procedure type, technology, clinical setting, and region.

Procedure Type Outlook (Revenue, USD Billion, 2021 - 2033)

X-ray-Based Tubal Patency Testing

Ultrasound-Based Tubal Patency Testing

HyCoSy (Hysterosalpingo-Contrast Sonography)

HyFoSy (Hysterosalpingo-Foam Sonography)

Others

Proprietary Controlled Contrast Systems Subdermal Implants

Structural & Morphologic Imaging

Others

Technology Outlook (Revenue, USD Billion, 2021 - 2033)

X-Ray-Based Technologies

Ultrasound-Based Technologies

Proprietary Diagnostic Devices

Clinical Setting Outlook (Revenue, USD Billion, 2021 - 2033)

Fertility & Reproductive Medicine Clinics

Gynecology / Women's Health Practices

Radiology & Imaging Centers

Hospital Outpatient Departments

Others

Region Outlook (Revenue, USD Million, 2021 - 2033)

West

Southwest

Southeast

Midwest

Northeast

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