

Intraocular Lens (IOL) – A Global Market Overview

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Abstracts

Intraocular Lens (IOL) Market Trends and Outlook

An intraocular lens (IOL) is an artificial lens implanted in the eye to replace the natural lens and improve vision by directing light to the retina. The IOLs treat cataracts or correct refractive errors like myopia and hyperopia. The IOLs are created using materials like plastic, silicone, acrylic, or polymethyl methacrylate (PMMA) and are available in various types like monofocal, multifocal, toric, accommodating, extended depth-of-focus (EDOF), and light adjustable IOLs. Monofocal IOLs concentrate on one distance, whereas multifocal and EDOF lenses enable clear vision at different distances but could result in visual disruptions. Toric IOLs address astigmatism by requiring exact alignment, whereas accommodating IOLs work with eye muscles for minor adjustments in focus. Light-adjustable IOLs can be adjusted after surgery with UV light to provide accurate vision correction.

The global Intraocular Lens (IOL) market is estimated at US\$4.6 billion in 2024 and is expected to record a CAGR of 5.9% during the 2024-2030 analysis period and stand at a projected US\$6.5 billion by 2030.

The intraocular lens (IOL) market growth is driven by various factors, such as the increasing prevalence of eye conditions like cataracts and diabetic retinopathy, frequently associated with diabetes, and increased screen usage. Advancements in technology, like multifocal and toric lenses, enhance visual results further boosting the market demand. The rise in minimally invasive cataract surgeries, government efforts, and better healthcare infrastructure, particularly in emerging countries, also helps drive market growth. Additionally, an increasing elderly population and higher disposable income levels improve the availability of advanced IOLs. Growing global recognition and comprehension of cataract therapies, combined with improvements in medical advancements, continue to enhance the market. The advancements of innovative IOLs

and favorable medical tourism trends will likely continue driving market growth.

Intraocular Lens (IOL) Regional Market Analysis

In 2024, North America, led by the United States, dominates the market with an estimated 36.5% share. This dominance is driven by high healthcare investment, advanced technology adoption, and favorable reimbursement policies. Europe is the second-largest IOL market, fueled by an aging population and ongoing innovation. Conversely, Asia-Pacific is projected to be the fastest-growing market with a 2024-2030 CAGR of 7.6% due to rising geriatric populations, increasing healthcare access, and medical tourism. Within Asia-Pacific, China holds the largest market share, while India is the fastest-growing market, reflecting its rapid advancements in healthcare infrastructure and increasing prevalence of eye conditions.

Intraocular Lens (IOL) Market Analysis by Type

Monofocal IOLs dominate the market with an estimated share of 48.3% in 2024 due to their low cost, widespread use in cataract surgeries, and favorable government reimbursement policies. However, the multifocal IOLs segment is expected to record the fastest CAGR of 6.7% during 2024-2030 due to rising demand for improved post-surgical vision correction, such as reducing dependence on reading glasses, and technological advancements making them more accessible and efficient in treating complex vision issues like astigmatism or presbyopia.

Intraocular Lens (IOL) Market Analysis by Material

In 2024, hydrophobic acrylic leads the market with a share of 34.3% due to its high refractive index, low water content, and suitability for minimally invasive surgeries. Ophthalmologists prefer them due to their high mechanical stability, biocompatibility, and low complication rates. Meanwhile, the hydrophilic acrylic IOL segment is projected to be the fastest-growing market with a CAGR of 6.9% during the forecast period 2024-2030, driven by their beneficial properties in specific applications and rising adoption.

Intraocular Lens (IOL) Market Analysis by End-User

The hospitals segment holds the largest market with an estimated 50.6% share in 2024, due to their advanced infrastructure, extensive services, and high volume of cataract surgeries. Their central role in IOL use is due to their comprehensive care, skilled

ophthalmologists, and supportive government policies. On the other hand, the eye research institutes segment is anticipated to record the fastest CAGR of 7.2% during the analysis period 2024-2030, driven by their emphasis on innovation, research, and collaboration with industry. Their rapid market growth is further fueled by their contribution to developing new IOL technologies, as well as by government support and the expansion of their facilities.

Intraocular Lens (IOL) Market Report Scope

This global report on Intraocular Lens (IOL) analyzes the market based on type, material, and end-user. In addition to providing profiles of major companies operating in this space, the latest corporate and industrial developments have been covered to offer a clear panorama of how and where the market is progressing.

Key Metrics

Historical Period: 2021-2023

Base Year: 2023

Forecast Period: 2024-2030

Units: Value market in US\$

Companies Mentioned: 10+

Intraocular Lens (IOL) Market by Geographic Region

North America (The United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Italy, Spain, and Rest of Europe)

Asia-Pacific (Japan, China, India, South Korea, and Rest of Asia-Pacific)

South America (Brazil, Argentina, and Rest of South America)

Rest of World

Intraocular Lens (IOL) Market by Type

Monofocal IOLs

Multifocal IOLs

Toric IOLs

Accommodating IOLs

Other IOLs (including Extended Depth of Focus (EDOF) IOLs, and light adjustable IOLs)

Intraocular Lens (IOL) Market by Material

Hydrophobic Acrylic

Hydrophilic Acrylic

Silicone

Polymethyl Methacrylate (PMMA)

Others (including Collamer, and PEG-PEA/HEMA/Styrene Copolymer)

Intraocular Lens (IOL) Market by End-User

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Ophthalmic Clinics

Eye Research Institutes

Ambulatory Surgical Centers (ASCs)

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Bausch + Lomb Corporation

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