

Amgen Releases 8th Edition of Biosimilar Trends Report

September 22, 2021

Report Finds That Competition Created by Biosimilars Delivered \$9.8 Billion in Savings Over the Past Five Years to the U.S. Healthcare System, Generating Savings for Patients, Payers and Employers

With Both a Strong Innovator Portfolio and a Deep Investment in Biosimilar Products, Amgen has Been a Pioneer in Biotechnology for ~40 Years and Invested Close to \$2 Billion Across a Portfolio of 10 Biosimilar Medicines

THOUSAND OAKS, Calif., Sept. 22, 2021 /PRNewswire/ -- Amgen (NASDAQ: AMGN) today released the 8th edition of the Biosimilar Trends Report, which examines the current state of the U.S. biosimilars marketplace across inflammation, oncology and nephrology categories, while a new feature considers how advancements in biosimilars can support the long-term success and sustainability of the U.S. healthcare system. To access the full report, visit: www.amgenbiosimilars.com/commitment/trends-report.

To view the multimedia assets associated with this release, please click: https://www.multivu.com/players/English/8812854-amgen-8th-edition-biosimilar-trends-report/



The Report shows that competition created by biosimilars has saved the U.S. healthcare system \$9.8 billion over the past five years, and has the potential to reduce out-of-pocket spending by \$238 million for patients in the nine biologic drug classes where biosimilars have been approved. According to the Report:

- Biosimilars contribute to competition that drives down healthcare costs by providing significant wholesale acquisition cost (WAC) and average sales price (ASP) discounts at launch, resulting in additional savings over time.
- Biosimilars are launching at a price that is generally 15% to 37% lower than the reference product. Furthermore, the ASP is declining for both reference products and biosimilars over time, while the rate of biosimilar uptake is generally increasing over time. iii,iv
- Biosimilars have gained substantial share in the majority of therapeutic areas where they have been introduced.^v For

therapeutic areas with biosimilars launched in the last two years, the average share was 65%.vi

This year's Report features a new section, Future State of the Marketplace, which outlines how biosimilars can continue to offer more affordable treatment options, drive cost savings through increased competition between biosimilars and with reference biologics, and promote a more resilient U.S. healthcare marketplace. The U.S. marketplace is poised to see further growth in biosimilars approved to date and welcome many new biosimilars in the years to come.

"As part of Amgen's commitment to staying at the forefront of biosimilar education, Amgen is pleased to announce the launch of the 2021 Biosimilar Trends Report," said Jennifer Norton, vice president, Head of U.S. Value and Access at Amgen. "The increasing availability and adoption of biosimilars means these treatments are delivering on the fundamental promise of reducing healthcare costs for payers, employers, and patients in the United States."

The 2021 Biosimilar Trends Report also outlines the four key elements that Amgen believes are necessary for sustaining biosimilars' growth:

- Implementing scientifically appropriate regulatory standards for the approval, manufacture, and uninterrupted availability of safe and effective biological products, including biosimilars;
- Maintaining a marketplace that encourages competition on a level playing field to achieve meaningful savings and long-term stability;
- Providing scientifically accurate educational outreach to drive confidence with healthcare providers, patients, payers, and employers; and
- Ensuring a foundation of strong intellectual property to encourage innovation and investment.

"The U.S. marketplace with biosimilars is well established and accelerating across key therapeutic areas, creating cost savings, and additional treatment options for physicians and patients," said Chad Pettit, executive director, Marketing, Global Biosimilars Commercial Lead at Amgen, adding, "By continuing to advance science-based policies that support competition and enhance confidence from patients, physicians, and other stakeholders, the U.S. can help promote a robust and resilient healthcare system needed for the long term."

About Amgen Biosimilars

Amgen is committed to building upon Amgen's experience in the development and manufacturing of innovative human therapeutics to expand Amgen's reach to patients with serious illnesses. Biosimilars help to maintain Amgen's commitment to connect patients with vital medicines, and Amgen is well positioned to leverage its nearly four decades of experience in biotechnology to create high-quality biosimilars and reliably supply them to patients worldwide.

For more information, visit www.amgenbiosimilars.com and follow us on www.twitter.com/amgenbiosim.

About Amgen

Amgen is committed to unlocking the potential of biology for patients suffering from serious illnesses by discovering, developing, manufacturing and delivering innovative human therapeutics. This approach begins by using tools like advanced human genetics to unravel the complexities of disease and understand the fundamentals of human biology.

Amgen focuses on areas of high unmet medical need and leverages its expertise to strive for solutions that improve health outcomes and dramatically improve people's lives. A biotechnology pioneer since 1980, Amgen has grown to be one of the world's leading independent biotechnology companies, has reached millions of patients around the world and is developing a pipeline of medicines with breakaway potential.

For more information, visit www.amgen.com and follow us on www.twitter.com/amgen.

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- ⁱ Data on file, Amgen, Biosimilars Spend Analysis, July 2021.
- ii Data on file, Amgen; Product and Biosimilars WAC and ASP Price; July 2021.
- iii Data on file, Amgen; Product and Biosimilars WAC and ASP Price; July 2021
- iv Data on file, Amgen; Biosimilars Market Share Trends; July 2021
- ^v Data on file, Amgen; Biosimilars Market Share Trends; July 2021
- vi Data on file, Amgen; Biosimilars Market Share Trends; July 2021

THE PROMISE OF BIOSIMILARS



As more biosimilars reach the marketplace, Amgen expects to see significant savings driven by competition with originator products and between biosimilars.¹ At a time when healthcare costs are rising, potential cost savings from switching from originator biologics to biosimilars is projected to be between \$40-250 billion by 2025 in the U.S., and in Europe, cost savings are already estimated to be more than £10 billion.²3

WHAT ARE BIOLOGICS?

Biologics are produced in genetically engineered living cells.⁴

Biologic medicines include therapeutic proteins, which replace or augment beneficial human proteins, and monoclonal antibodies.⁴

WHAT ARE BIOSIMILARS?

existing licensed biologic products (reference products or originator biologics) with no clinically meaningful differences in terms of safety and efficacy.

WHY BIOSIMILARS?



Biosimilars may provide patients, physicians, and payers a range of treatment options and a degree of flexibility of choice in therapies that they may not otherwise have 4



Over time, meaningful savings can be derived from head-to-head competition - with originator products and between biosimilar products.



Savings could be used to improve the broader healthcare system by allowing more funds to support system-wide Savings could be lead to improve the bloosen healthcate system by anowing molimprovements in key areas, such as:

Supporting the adoption of new innovative medicines and technologies;⁶
Diagnosis and prevention;⁶ and
Maintaining appropriate healthcare staffing levels.⁸



BIOSIMILARS ARE NOT GENERICS

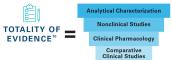
Biologics, including biosimilars, are more structurally complex than generics and can be up to 1,000 times their size.⁸

A biologic molecule is grown in living cells which leads to inherent variability; therefore, a biosimilar is highly similar, though not structurally identical, to an originator product.*

Because of these distinct properties, biologics are more complicated to develop than small pathway for biosimilar approval contains additional scientifically appropriate steps compared with the pathway for generic drugs.

DEMONSTRATING BIOSIMILARITY

For biosimilars, the totality of evidence to demonstrate biosimilarity is necessary to support licensure. No single study or endpoint should be considered "pivotal" in a biosimilar marketing application.



A BIOSIMILAR DEVELOPMENT PROGRAM MUST...

...demonstrate that the biosimilar candidate is highly simit on and has no clinically meaningful differences from its originator product. Physicians and patients can trust that licensed biosimilars have been thoroughly tested and have similar safety and efficacy profile as the originator product.

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