# A Targeted Literature Review to Identify the Dimensions of Sustainable Global Biosimilars Markets

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# Background

- Biosimilars are biologic medications that are highly similar to, and have no clinically meaningful differences from, existing approved biologics known as "reference products".<sup>1</sup>
- Typically, biosimilars are priced below their reference products, creating an economic incentive for use to reduce expenses.<sup>2-4</sup>
- However, a variety of challenges to biosimilar uptake have arisen across global markets, threaten market sustainability, and may create disincentives to pursue development of additional biosimilars in the future.

# Objective



To conduct a targeted literature review (TLR) of the biosimilars literature to identify key sustainability dimensions of this market to inform future research, stakeholder interactions, and policy initiatives aimed at ensuring the longterm viability of global biosimilars markets.

# Conclusions

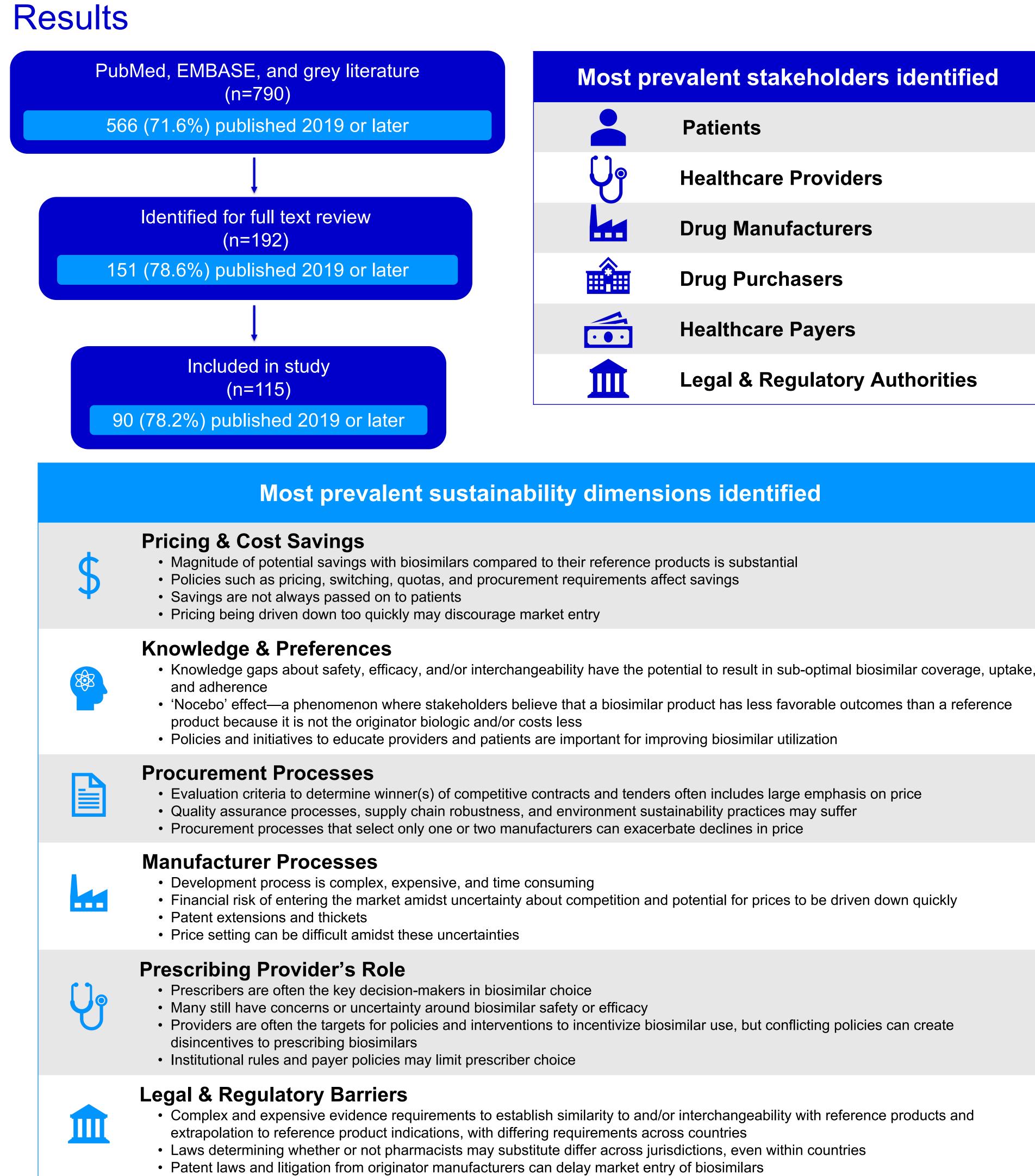
- A contemporary review of the global biosimilars literature was used to identify key dimensions of biosimilar market sustainability that should be considered by stakeholders looking to ensure the long-term viability of the market.
- This framework that will be developed using the findings of this TLR will help facilitate research, collaboration, and policy focused on optimizing the cost-saving potential while promoting a sustainable biosimilars market.

**References: 1.** Center for Drug Evaluation and Research. Biosimilars. FDA. Published June 16, 2023. Accessed March 20, 2024. https://www.fda.gov/drugs/therapeutic-biologics-applicationsbla/biosimilars; 2. Aitken M. Biosimilars in the United States 2023–2027. IQVIA Institute for Human Data Science; 2023.; **3.** Aitken M. Assessing the Biosimilar Void. IQVIA Institute for Human Data Science; 2023. https://www.iqvia.com/insights/the-iqvia-institute/reports-andpublications/reports/assessing-the-biosimilar-void; **4.** Car E, Vulto AG, Houdenhoven MV, Huys I, Simoens S. Biosimilar competition in European markets of TNF-alpha inhibitors: a comparative analysis of pricing, market share and utilization trends. Front Pharmacol. 2023;14:1151764. doi:10.3389/fphar.2023.1151764

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# Methods

- biosimilar market sustainability
- the stated objectives.



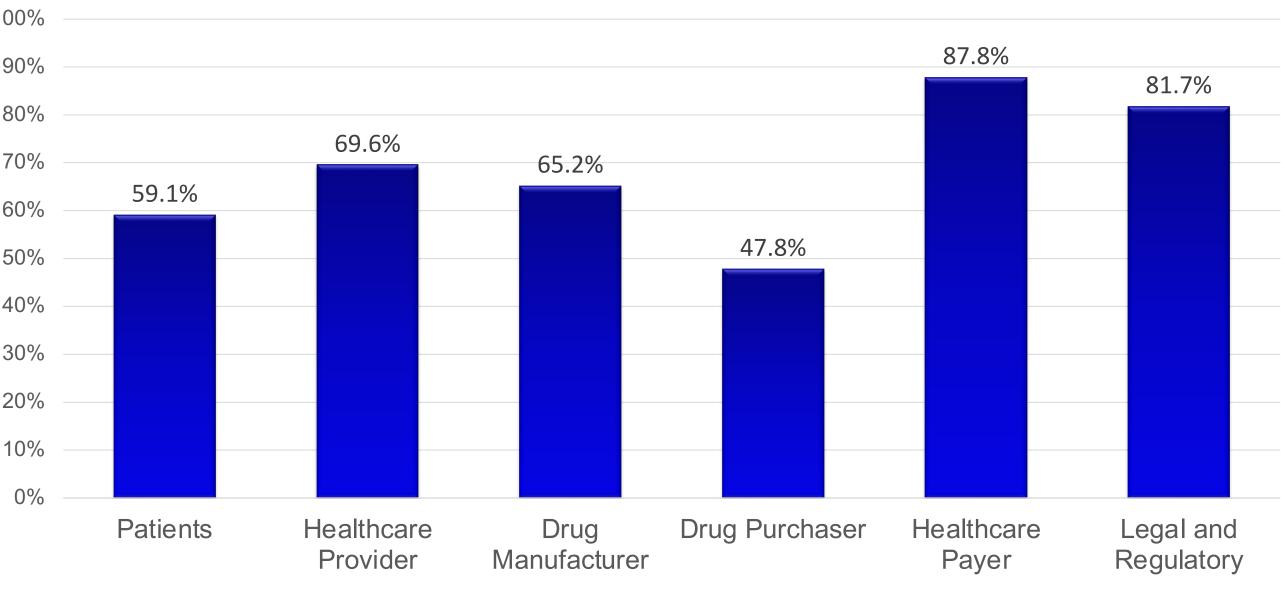
### • We searched publications in PubMed and EMBASE for the period January 2013 to September 2023 to identify literature addressing aspects of

• Terms: 'biosimilars', 'market sustainability', 'market access', 'pricing and reimbursement', 'market dynamics', 'market trends', and 'price erosion' • We also searched conference abstracts in those databases and relevant policy documents and white papers from 2019 onward. • Among included publications, we documented study year, countries or regions of focus, design/methodology, therapeutic area, key findings, and noted

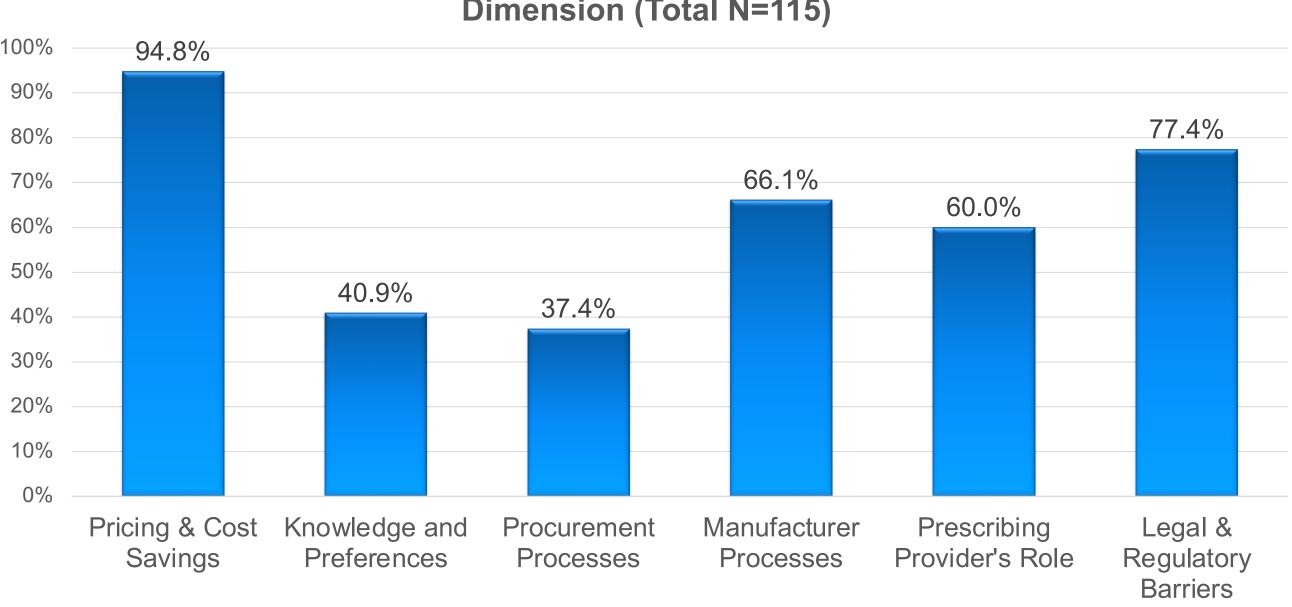
• We iteratively refined lists of stakeholder and sustainability dimension themes into combined groupings. After arriving at the groups, we re-reviewed all full texts to document which specific stakeholder and sustainability dimension groups were discussed in each publication

lost prevalent stakeholders identified		100% -
	Patients	90% -
<b></b>		80% -
Uq	Healthcare Providers	70%
		60% -
	Drug Manufacturers	50%
<u> </u>		40%
	Drug Purchasers	30% -
		20%
	Healthcare Payers	10% -
		0%
Ш	Legal & Regulatory Authorities	

# **Proportion of Studies with Mention of Given Stakeholder** (Total N=115)



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Discussion

- methods.
  - that we identified.
- system based upon  $\geq 1$  mention.

#### **Proportion of Studies with Mention of Given Sustainability Dimension (Total N=115)**

• We did not undertake a full systematic literature review, resulting in findings are likely less reproducible as compared to those generated by more formal SLR

• The phrase 'market sustainability' rarely appears across the 113 studies

• Our categorization of themes relied on a simple binary (yes/no) classification

• However, the themes identified were based on a wide body of research conducted in markets across the world.

• We believe that the findings of our literature review provide a unique centralized resource that can help stakeholders to identify sustainability-related publications over the period 2013 to 2023.