

Am J Health Syst Pharm. 2023 Sep 9;zxad220. doi: 10.1093/ajhp/zxad220. Online ahead of print.

Recent and anticipated novel drug approvals for 2023 and 2024

Matthew H Rim ¹, Farah Barada ¹, Andrew M Levitsky ²

Affiliations

PMID: 37688502 DOI: [10.1093/ajhp/zxad220](https://doi.org/10.1093/ajhp/zxad220)

Abstract

Purpose: Health-system pharmacists play a crucial role in monitoring the pharmaceutical pipeline to manage formularies, allocate resources, and optimize clinical programs for new therapies. This article aims to support pharmacists by sharing new and anticipated novel drug approvals.

Summary: Selected drug approvals anticipated in the 12-month period covering the second quarter of 2023 through the first quarter of 2024 are reviewed. The analysis emphasizes drugs expected to have significant clinical and financial impact in hospitals and clinics, as selected from 58 novel drugs awaiting Food and Drug Administration (FDA) approval at the time of data extraction. The pipeline includes drugs with various indications, such as oncology, inflammatory conditions, and rare diseases. Key developments in oncology are highlighted along with notable advancements in treating myelofibrosis, metastatic colorectal cancer, and low-grade gliomas. Cellular and gene therapies are anticipated to emerge prominently as treatment options for severe hemophilia A and sickle cell disease. Several monoclonal antibodies targeting autoimmune diseases are awaiting FDA approval.

Conclusion: Several new novel drugs in the pipeline are intended for use in treating cancers, autoimmune conditions, and rare diseases such as sickle cell disease.

Keywords: Food and Drug Administration drug approval; clinical trials; drug approval process; investigational drugs; medication development; new drug approvals.

© American Society of Health-System Pharmacists 2023. All rights reserved. For permissions, please e-mail: journals.permissions@oup.com.