

Supplementary Table S1. Complete Database Search Strategies

Database	Complete Search Strategy
PubMed	("CRISPR-Cas9"[Title/Abstract] OR CRISPR[Title/Abstract] OR "Genome Editing"[MeSH Terms] OR "gene editing"[Title/Abstract] OR "genome editing"[Title/Abstract]) AND ("human health"[Title/Abstract] OR medicine[Title/Abstract] OR therapeutic*[Title/Abstract] OR treatment[Title/Abstract] OR clinical[Title/Abstract]) AND (safety[Title/Abstract] OR "off-target effects"[Title/Abstract] OR ethics[Title/Abstract] OR regulation[Title/Abstract]) Filters: English; January 2015–March 2026.
Embase	('crispr-cas9'/exp OR 'crispr'/exp OR 'gene editing' OR 'genome editing') AND ('human health' OR medicine OR therapy OR treatment OR clinical trial) AND (safety OR 'off-target effect' OR ethics OR regulation) AND [english]/lim AND [2015–2026]/py
Dimensions	("CRISPR-Cas9" OR CRISPR OR "gene editing" OR "genome editing") AND ("human health" OR therapy OR treatment OR clinical) AND (safety OR ethics OR regulation OR "off-target effects") Publication Years: 2015–2026; English language.

Notes

- Searches were conducted between **March 1 and March 15, 2026**.
- Search syntax was adapted to match the indexing requirements of each database while maintaining equivalent search concepts.
- Boolean operators (AND, OR), controlled vocabulary (where available), and free-text keywords were combined to maximize sensitivity and specificity.