

China Leads Global CAR-T Trials

82% of in vivo therapies tested in humans are from China — a new model for speed and scale.

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THE DATA

82%

In Vivo CAR-T Trials Developed in China

Of 140 global in vivo CAR-T therapies in animal and human trials, 82% are 由中国研发 .

This overwhelming lead stems not from chance, but from a systemic advantage: China's fast-track investigator-initiated trial (IIT) pathway, which enables rapid clinical testing without prior regulatory oversight. This accelerates the feedback loop between lab discovery and patient application — a critical feature for AI-driven therapeutic design.

Source: Nature · Published September 28, 2026

https://www.nature.com/articles/d41586-026-03004-3?error=cookies_not_supported&code=fc2f2103-b3fa-4570-9b2e-89c245b185eb



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Speed Over Scrutiny Drives Innovation

The implication is clear: nations with agile clinical pathways generate richer datasets for AI, creating a feedback advantage in predictive modeling and risk assessment — a key asset for AI in aerospace R&D.





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Regulatory Agility = AI Training Ground

This is not a call to abandon safety, but to recognize that controlled environments alone do not produce the most resilient AI. The future of AI in aviation may lie not in perfect simulations, but in learning from fast, real-world iterations — exactly what China's IIT system enables in biotech.

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