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Review

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Background

- > Chimeric Antigen Receptor T-cell (CAR-T) is a promising immunotherapy in oncological diseases, particularly in hematological diseases like leukemias and lymphomas.
- \succ Its personalized manufacturing process, though innovative, incurs significant costs, posing a challenge, especially for public health systems.
- \succ To ensure broader access to these groundbreaking treatments, there is a pressing need to develop optimized policies and financing models.

Objectives

To review financing models for CAR-T therapy in healthcare systems globally.

Methods

- > Scoping review was conducted following the JBI methodology.
- > Databases: MEDLINE (via PubMed) and LILACS (search date: March 6, 2023), plus
- \succ The protocol is registered and accessible at doi: 10.17605/OSF.IO/95ACK.

Results

- From 615 references, 29 publications were included in the review.
- encompassing both public and private sectors.
- were suggested, such as activity-based costing (Figure 1).

Financing Models for CAR-T Cell Therapies in Healthcare Systems: A Scoping

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manual search which included references from the selected studies and grey literature.

The analysis identified 15 countries that currently finance CAR-T cell therapies,

 \succ The most frequently implemented financing models were *outcome-based payment* (OBP) schemes (n=8 countries), sometimes combined with coverage with evidence development (CED) (n=8). This was followed by the *diagnosis-related group* (DRG) model, occasionally supplemented with additional payments (add-on payments) (n=3). Other forms of financing

Figure 1. Financing models for CAR-T Cell Therapies identified in the scoping review.



Conclusion

- > Risk-sharing agreements are an alternative to mitigate the impact of uncertainties in the effectiveness of CART-T, but they are not the only existing strategy
- > OBPs associated with CED seem a promising way to increase access while fostering evidence development.
- \succ Managers shoud anticipate by seeking alternative financing for these therapies.

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No risk sharing		
•	One-time payment: Diagnosis-related group Add-on payment	
•	Centers of Excellence model;	
•	Global episode of care;	
•	Health funds;	
•	Unbundling payment;	
•	One-time payment:	
	Bundled payments	
	Capitated providers payments	
•	Insurance; Indication-specific pricing	/