



ND

# Medical Policies

 Print

Policy Number:

S-125

Policy Name:

Heart/Lung Transplantation

Policy Type:

Medical

Effective Date:

09-15-2025

Policy Subtype:

Surgery

End Date:

11-02-2025

## Description

Heart/lung transplantation involves a coordinated triple operative procedure consisting of procurement of a donor heart-lung block, excision of the heart and lungs of the recipient, and implantation of the heart and lungs into the recipient. Heart/lung transplantation refers to the transplantation of one or both lungs and heart from a single cadaver donor.

## Policy Application

All claims submitted under this policy's section will be processed according to the policy effective date and associated revision effective dates in effect on the date of service.

## Diagnosis Codes

E84.0	E84.8	I27.0	I27.20	I27.22	I27.23	I27.24
I27.81	I27.82	I27.83	I27.89	I27.9	I50.1	I50.20
I50.21	I50.22	I50.23	I50.30	I50.31	I50.32	I50.33
I50.40	I50.41	I50.42	I50.43	I50.810	I50.811	I50.812
I50.813	I50.814	I50.82	I50.83	I50.84	I50.89	I50.9
J43.0	J43.1	J43.2	J43.8	J43.9	J44.0	J44.1

J44.89	J44.9	J84.10	J84.112	J84.178	T86.32	
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## CURRENT CODING

### CPT:

33930	DONOR CARDIECTOMY-PNEUMONECTOMY	Commercial
33933	BKBENCH PREPJ CADAVER DONOR HEART/LUNG ALLOGRAFT	Commercial
33935	HEART-LUNG TRNSPL W/RECIPIENT CARDIECTOMY-PNUMEC	Commercial
33930	DONOR CARDIECTOMY-PNEUMONECTOMY	Medicaid Expansion
33933	BKBENCH PREPJ CADAVER DONOR HEART/LUNG ALLOGRAFT	Medicaid Expansion
33935	HEART-LUNG TRNSPL W/RECIPIENT CARDIECTOMY-PNUMEC	Medicaid Expansion

## References

1. Hjortshøj CS, Gilljam T, Dellgren G, et al. Outcome after heart-lung or lung transplantation in patients with Eisenmenger syndrome. *Heart*. Published Online First: 21 August 2019
2. Woolley, A. E., Singh, S. K., Goldberg, et al. Heart and lung transplants from HCV-infected donors to uninfected recipients. *N Engl J Med*. 2019;17:1606- 1617.
3. Rudasill, S. E., Lyengar, A., Kwon, O. J., et al. Recipient working status is independently associated with outcomes in heart and lung transplantation. *Clin Transplant*. 2019;13462.
4. United Network for Organ Sharing (UNOS). Heart/Lung: Submitting LAS exception requests for candidates diagnosed with PH. 2018.
5. Organ Procurement and Transplantation Network (OPTN). Organ Procurement and Transplantation Network Policies. Policy 6: Heart and heart-lungs, 2023; [https://optn.transplant.hrsa.gov/media/1200/optn\\_policies.pdf](https://optn.transplant.hrsa.gov/media/1200/optn_policies.pdf). Updated September 28, 2023 Accessed October 11, 2023
6. Sertic F, Han J, Diagne D, et al. Not all septal defects are equal: Outcomes of bilateral lung transplant with cardiac defect repair vs combined heart-lung transplant in patients with Eisenmenger syndrome in the United States. *Chest*. Nov 2020; 158(5): 2097-2106.
7. Riggs KW, Chapman JL, Schechter M, et al. Pediatric heart-lung transplantation: A contemporary analysis of outcomes. *Pediatr Transplant*. May 2020; 24(3): e13682.
8. Koval CE, Farr M, Krisl J, et al. Heart or lung transplant outcomes in HIV- infected recipients. *J Heart Lung Transplant*. 2019; 38(12): 1296-1305.
9. Leard LE, Holm AM, Valapour M, et al. Consensus document for the selection of lung transplant candidates: An update from the International Society for Heart and Lung Transplantation. *J Heart Lung*

*Transplant.* Nov 2021; 40(11): 1349-1379.

10. Singh TP, Cherikh WS, Hsich E et al. The International thoracic organ transplant registry of the international society for heart and lung transplantation: Twenty-fifth pediatric heart transplantation report—2022; focus on infant heart transplantation. *J Heart Lung Transplant.*2022; 41(10): 1357–1365.
11. Doberne JW, Jawitz OK, Raman V, et al. Heart transplantation survival outcomes of HIV positive and negative recipients. *Ann Thorac Surg.* 2021; 111(5):1465-1471.

## ND Committee Review

Internal Medical Policy Committee 1-22-2020 New policy

Internal Medical Policy Committee 11-19-2020

- **Changed** Title slightly;
- **Changed** wording around;
- **Changes** to contraindications. No changes to Approved indications

Internal Medical Policy Committee 11-23-2021 Annual review clarify language updated.

Internal Medical Policy Committee 11-29-2022 Annual review -No changes in criteria.

Internal Medical Policy Committee 11-15-2023 Coding Update - **Effective October 01, 2023** .

- **Added** Diagnosis Code J44.89

Internal Medical Policy Committee 1-16-2024 Revision - **Effective March 04, 2024**

- **Updated** Professional Statements and Societal Positions; and
- **Removed** Diagnosis Codes I27.21; I27.29; and
- **Added** Diagnosis Codes J84.112; J84.178; and T86.32.

Internal Medical Policy Committee 1-14-2025 Annual Review-no changes in criteria

- **Added** Policy Application

## Disclaimer

*Current medical policy is to be used in determining a Member's contract benefits on the date that services are rendered. Contract language, including definitions and specific inclusions/exclusions, as well as state and federal law, must be considered in determining eligibility for coverage. Members must consult their applicable benefit plans or contact a Member Services representative for specific coverage information. Likewise, medical policy, which addresses the issue(s) in any specific case, should be considered before utilizing medical opinion in adjudication. Medical technology is constantly evolving, and the Company reserves the right to review and update medical policy periodically.*