

ADVANCED COPD PROGRAM



NATIONAL LEADER IN COPD RESEARCH AND TREATMENT

As the nation's leading COPD research and treatment center, Temple sets new standards for COPD care. We're committed to discovering life-changing treatments and staying on the cusp of innovation with groundbreaking procedures, including lung volume reduction surgery, bronchoscopic lung volume reduction and leading-edge lung transplantation options with the best outcomes in the region. We'll partner with you to deliver the best care for even your most difficult-to-manage cases.

The Most Comprehensive Program in the Nation

Optimal treatment for advanced COPD requires in-depth knowledge of the latest clinical advances and the expertise of a comprehensive team. The Temple Lung Center leads the nation in COPD treatment innovation. Our commitment to your patients shows.



We have led or participated in more than **50 pulmonary clinical trials** at any given time, helping forge new and innovative therapies for patients with COPD.



We were one of the **first in the nation to perform LVRS and BLVR**—breakthrough treatments for patients with advanced emphysema—and have remained national leaders in these procedures.



We were the **first in the nation to study innovative new treatments** such as lung reductions with coils, adhesives, and endobronchial valves and treatments for multiple or severe exacerbations or chronic bronchitis with targeted lung denervation, metered dose nitrogen cyrospray, and bronchial rheoplasty.



We have the **highest-volume lung transplantation program in the nation**, with the ability to offer lung transplants for some of the most advanced and complex COPD cases.



Our **physician leaders partner with GOLD** to review emerging science and create new guidelines for the diagnosis and treatment of COPD.



Temple's Lung Center is **part of the American Lung Association's Airways Clinical Research Center Network**, a prestigious group of programs dedicated to the treatment of airway diseases such as COPD.



U.S. News & World Report distinguishes Temple as a **High Performer in COPD**, and we are ranked among the top 10% of U.S. hospitals for pulmonology and lung surgery.

ADVANCED TREATMENT OPTIONS

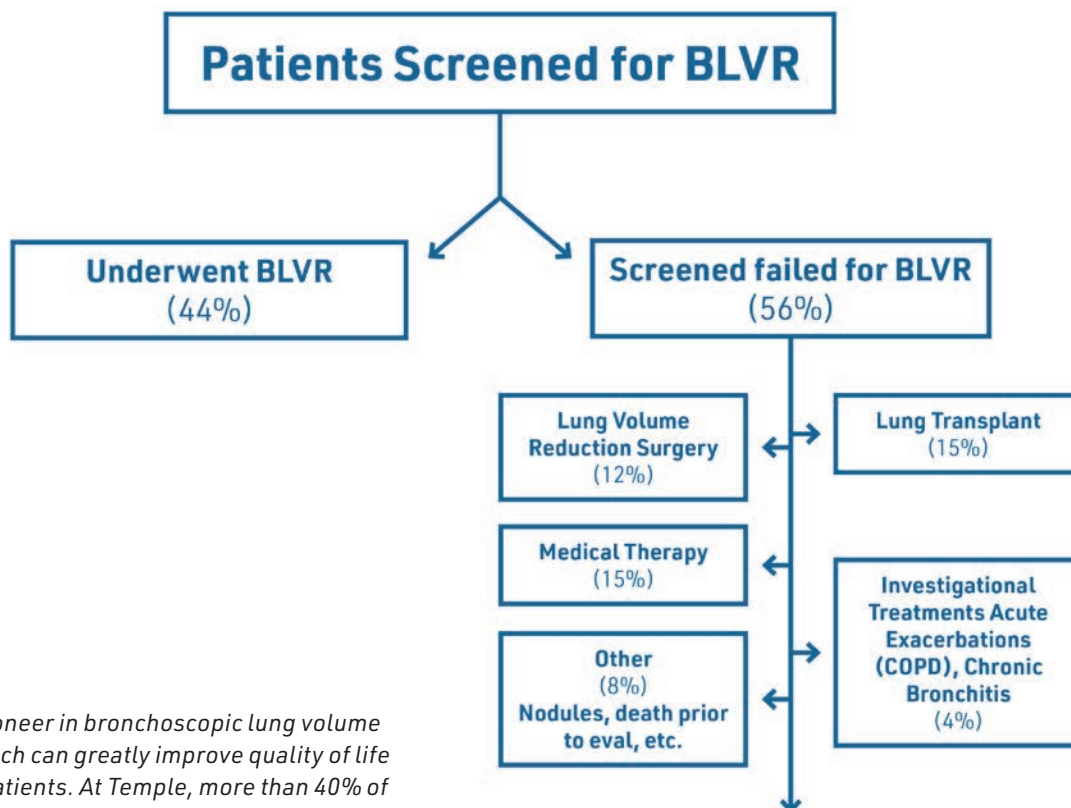
Patients with advanced COPD need to have multiple options for symptom reduction and improved quality of life. For many patients with lung hyperinflation due to severe emphysema, **bronchoscopic lung volume reduction (BLVR)** is an often durable and less invasive option. For those who are healthy enough but do not qualify for BLVR, Temple also offers **lung volume reduction surgery**. **Lung transplantation should be considered in COPD patients with a FEV¹ < 25%.**

Bronchoscopic Lung Volume Reduction (BLVR) Surgery

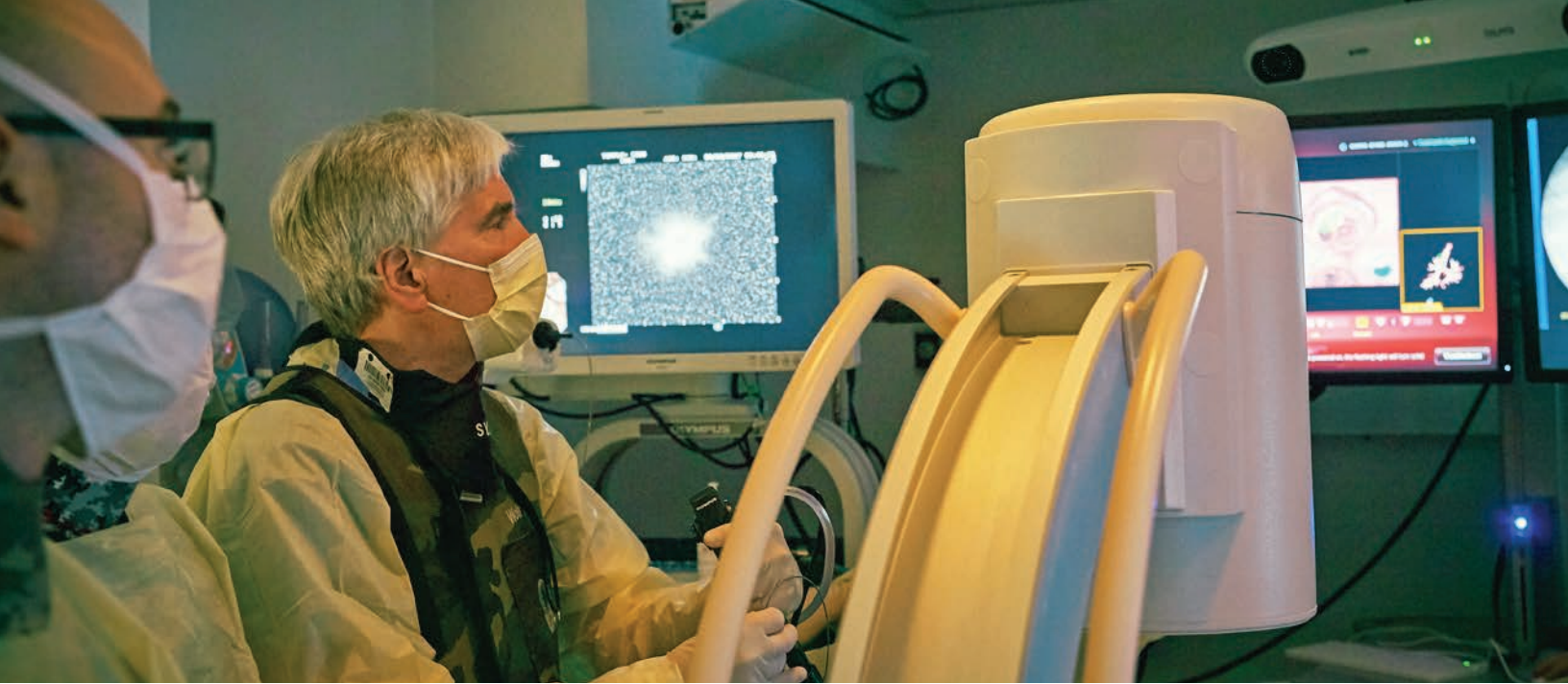
BLVR uses an endobronchial valve to shrink diseased and hyperinflated areas of the lung and allows the healthy areas to function more efficiently.

- An option for patients who can't have surgery.
- Patients report improved lung function, fewer respiratory symptoms to interfere with daily activities, improved ability to exercise, and overall enhanced quality of life.
- Temple Lung Center performs corrective procedures for patients from outside centers whose valves were misplaced or have slipped.

As Director of the Temple Lung Center, Dr. Criner was the first in the country to implant both types of commercially available bronchoscopic lung valves following FDA approval. The Temple Lung Center is the highest volume BLVR center in the nation and trains physicians across the country in this new technique.



Temple is a pioneer in bronchoscopic lung volume reduction, which can greatly improve quality of life for selected patients. At Temple, more than 40% of patients assessed for BLVR undergo the procedure, and 80% of recipients report positive outcomes. Those not eligible for BLVR may have other options, including lung volume reduction surgery, investigational treatments, and lung transplantation.



Lung Volume Reduction Surgery (LVRS)

LVRS removes diseased portions of the lung to improve function of the other areas. Temple has the honor of being the first in the Philadelphia region to perform this gold standard treatment for advanced emphysema. As the largest program in the area, we play an active role in COPD clinical trials—such as the groundbreaking NETT trial, which showed that removing 20–30% of damaged lung tissue may result in improved exercise capacity, lung function, and quality of life for select candidates. When possible, Temple surgeons use the VATS approach, which results in decreased length of stay, reduced blood loss, and less pain.

Lung Transplantation

Temple is the highest-volume lung transplant program in the United States and has been for close to a decade (2023 Scientific Registry of Transplant Recipients data), giving our team unparalleled experience. Our comprehensive Lung Transplant Program is led by a world-renowned team of pulmonologists who take on some of the most challenging cases, including patients requiring pre-transplant ECMO and those who need multi-organ transplant. It's because of our vast history of combined experience that our patients have the best lung transplantation outcomes in the Philadelphia region and in the state of Pennsylvania.

Clinical Trials

The Temple Lung Center is currently involved in more than 50 clinical trials, with over half investigating innovative COPD treatments. We have one of the largest and most active clinical research centers for advanced lung diseases in the United States.

WHEN TO REFER

As COPD advances, patients may require extensive clinical management. This may include frequent clinic visits, administration of inhalers and oxygen, hospitalization for acute exacerbations, and pulmonary rehabilitation. While there is no cure for COPD, appropriate therapy may help slow the progression and reduce symptoms for better quality of life.

Referral should be considered when symptoms persist or exacerbations occur despite treatment.

Key indicators for referral to a pulmonologist include:

- Shortness of breath that worsens over time
- Chronic cough, with or without wheezing
- Ongoing sputum production
- Recurrent lower respiratory tract infections
- History of smoking or other risk factors

Reference: Global Initiative for Chronic Obstructive Lung Disease. Global strategy for prevention, diagnosis and management of COPD: 2022 report. <https://goldcopd.org/2022-gold-reports-2/>. Accessed March 28, 2022.

KEY ACCOUNT MANAGER SERVICE

The Temple Lung Center's Key Account Manager is always available to assist you with the needs of your patients requiring specialty services or advanced care. The Key Account Manager will immediately:

- Eliminate access barriers to hospital services
- Facilitate scheduling of complicated cases
- Coordinate ongoing communication with Temple physicians and staff
- Distribute information about clinical trials and other research programs available
- Arrange physician-to-physician in-service lectures and clinical updates at your office
- Resolve problems and answer questions efficiently and effectively



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OUR COMMITMENT TO PHYSICIANS

After referral, the Temple team manages all aspects of COPD patient care. We also keep physicians in the loop with clear and timely patient assessments. We routinely call physicians and send detailed status reports to ensure that they remain part of the patient's care team. Easy accessibility and open communication are key to good long-term outcomes.

Please call 800-TEMPLE-MED to arrange for a patient consultation with the Advanced COPD team.

LOCATIONS



TEMPLE LUNG CENTER

Ambulatory Care Center,
5th Floor (Zone D)
3401 N. Broad Street
Philadelphia, PA 19140



TEMPLE HEALTH OAKS

Oaks Corporate Center,
Suite 200
450 Cresson Boulevard
Phoenixville, PA 19460



TEMPLE LUNG CENTER AT CHESTNUT HILL

8815 Germantown Avenue
Medical Office Building
Philadelphia, PA 19118



TEMPLE UNIVERSITY HOSPITAL - JEANES CAMPUS

7600 Central Avenue
Patient Care Center, 1st Floor
Philadelphia, PA 19111

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