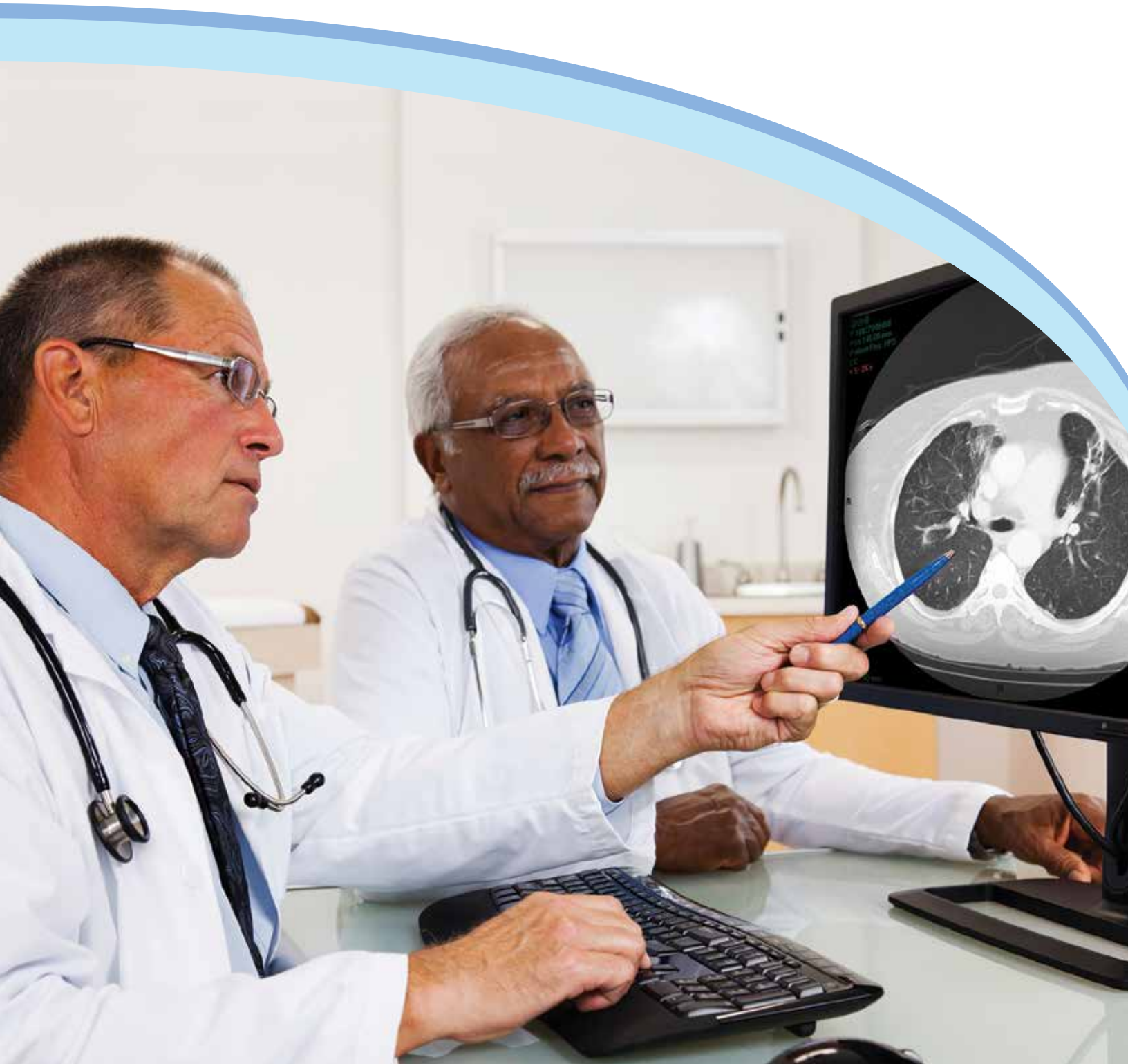


Clearing the Way for Bronchiectasis

Mobilizing Retained Pulmonary Secretions
Commonly Associated with Bronchiectasis



Enhancing outcomes for
patients and their caregivers:

Hill-Rom

Bronchiectasis is a Challenge

Sometimes when you see COPD, chronic bronchitis, pneumonia, asthma or cystic fibrosis, you might also see bronchiectasis.

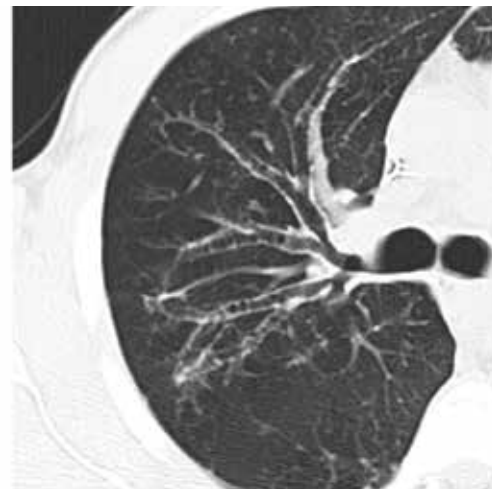
DEFINITION

Bronchiectasis, the condition where the lungs' airways are abnormally stretched and scarred resulting in mucus retention, which can lead to serious health problems, including respiratory failure, atelectasis and heart failure.

Diagnosing Bronchiectasis



Normal lung



Bronchiectasis lung

Patients with Bronchiectasis are confirmed by a standard CT scan.

The Impact of Bronchiectasis

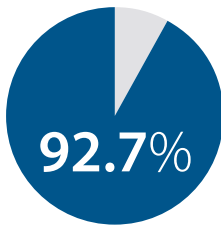
More patients are suffering

Bronchiectasis can frequently occur in parallel with more common forms of chronic lung disease including COPD and asthma. Research on Bronchiectasis COPD Overlap Syndrome is emerging. The increased availability of computed tomography (CT) has shown that up to **50%** of patients with Severe COPD will have co-existent Bronchiectasis.^{1,2}

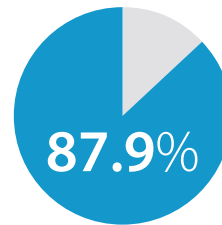
In a recent study, **92.7%** (164 patients) of COPD patients with ≥ 2 exacerbations or at least 1 hospitalization/year had bronchiectasis.³



In **855** stable COPD patients,
362 patients had
bronchiectasis.³



92.7% (164 patients) of COPD patients with ≥ 2 exacerbations or at least 1 hospitalization/year had bronchiectasis.³



87.9% (29 patients) on LABA/ICS with at least 1 pneumonia event belonged to the bronchiectatic group.³

Airway Clearance Therapies

Although there is no cure for bronchiectasis, early detection and treatment will allow patients to have a better quality of life and prevent further lung damage. Along with antibiotics and other appropriate medications, airway clearance therapies provide an effective, safe treatment. Improved outcomes have been seen using High Frequency Chest Wall Oscillation (HFCWO) in Bronchiectasis patients. Hill-Rom® Respiratory Care offers a number of Airway Clearance Therapies helping clear the way for your patients:

- **The Vest® Airway Clearance System** delivers High Frequency Chest Wall Oscillation (HFCWO) therapy and is designed to help patients mobilize retained secretions in the home and acute care settings.



- **The VisiVest® Airway Clearance System** provides the same proven therapy as The Vest® System, with the enhancement of Bluetooth® connectivity. Designed to motivate patients and increase therapy adherence which may lead to lower healthcare costs.



- **The Monarch® Airway Clearance System** with revolutionary new technology. The therapy combines mobility with targeted kinetic energy and airflow to thin and mobilize secretions within the airways. Includes WiFi or cellular connectivity to connect patients with their care team via the VisiView® Health Portal.



- **The MetaNeb® System** is a device that maximizes efficiency for patients and clinicians providing 3 therapies in 1 device by combining lung expansion, secretion clearance, and aerosol delivery into a single integrated therapy cycle. Available in acute and extended care facilities.



Outcomes of Bronchiectasis Patients after using HFCWO⁴

57% ↓

Fewer antibiotic prescriptions.



58% ↓

Decrease in number of hospital visits.



60% ↓

Decrease in emergency room visits.



68% ↑

Patients reported improved quality of life.



Solutions for COPD and Bronchiectasis Patients

An episode of the *Healthy Body, Healthy Mind* series airing on the National Public Television Network (PBS).

You can also view *Solutions for COPD and Bronchiectasis Patients* and learn more about Bronchiectasis (BE) by visiting:



www.LivingWithBE.com

**HEALTHY BODY
HEALTHY MIND**

Hill-Rom is a leading global medical technology company with more than 10,000 employees worldwide. We partner with health care providers in more than 100 countries, across all care settings, by focusing on patient care solutions that improve clinical and economic outcomes in five core areas: **Advancing Mobility, Wound Care and Prevention, Patient Monitoring and Diagnostics, Surgical Safety and Efficiency and Respiratory Health.** Hill-Rom's people, products and programs work towards one mission: **Every day, around the world, we enhance outcomes for patients and their caregivers.**

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2. Garcia M, et al. Prognostic Value of Bronchiectasis in Patients with Moderate-to-Severe Chronic Obstructive Pulmonary Disease. *Am J Respir Crit Care Med* 2013;187:823-8.
3. Kosmas E MD, et al. Metropolitan Hospital, Neo Faliro, Greece. Bronchiectasis in Patients With COPD: (2017). An Irrelevant Imaging Finding or a Clinically Important Phenotype? DOI: <http://dx.doi.org/10.1016/j.chest.2016.08.994>. Downloaded From: <http://journal.publications.chestnet.org/pdfaccess.ashx?url=/data/journals/chest/935778/> by Brian Becker on 05/08/2017.
4. Sievert C, Beaner C. Using high-frequency chest wall oscillation in a bronchiectasis patient population: an outcomes-based case review. *Respiratory Therapy*. 2016;11(4).

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