

SITUATION

Emphysema and COPD are underdiagnosed in up to 50% of patients, and many are not found until later stages of the disease. For those presenting with advanced disease, having the latest options like Bronchoscopic Lung Volume Reduction (BLVR) to help them improve their breathing is extremely important. As a nationally ranked Pulmonology and Lung Surgery center, the Pulmonary clinic at the University of Chicago treats complex, chronic and rare lung diseases, and their clinicians are always looking for innovative approaches to patient care. Dr. D. Kyle Hogarth, Professor of Medicine in the Section of Pulmonary and Critical Care Medicine, saw the potential of Imbio's Population Screening Program as a way to identify patients seen anywhere in the hospital system that should have been referred to Pulmonology based on their imaging. Along with Dr. Ajay Wagh, Interventional Pulmonologist, the clinic is utilizing Imbio's artificial intelligence technology to identify and treat more patients who have COPD, including those with severe emphysema.



D. Kyle Hogarth, MD



Ajay Wagh, MD, MS

IMBIO IMPACT

"Imbio has actually delivered on the idea that computers are to make physician's life easier and deliver clinical impact: finding more eligible patients earlier and automatically. That's where AI has made a real difference: we're finding more patients within our health system, delivering care they need, and growing our practice."

- Dr. Kyle Hogarth

90-Day Review

49 AI-detected severe emphysema patients

which led to an additional

27 new BLVR candidates added to the clinic

after cross-referencing pre-existing conditions

4 patients already scheduled for procedures

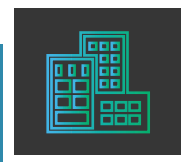
**As of 7/15/2022*

SOLUTION

Imbio helps find the hidden patients in your health system. Imbio's suite of imaging AI algorithms automatically analyze a facility's daily chest CTs and specialists, like Dr. Hogarth and Dr. Wagh, are alerted to high-risk patients that may not yet be under care in their clinic. Imbio AI also provides clinicians with visualization of the patient condition on their CT scan, and quantitative reports that can enhance the way the patient is diagnosed, treated, and managed. By analyzing and identifying patients across the UC institution and alerting the proper specialist, patients can receive preventative treatment earlier, or advanced care such as the BLVR procedure when needed. Imbio provides a way to detect an issue that patients and providers may not have known existed, improving care. It also helps busy clinicians grow their practice and retain patients in their health system without disrupting their daily work.



Helped Patients



Grew Pulmonology Practice



Increased Revenue