

Gotodoctor Partners with LungGames to Pilot Innovative Asthma Care for Young Children

August 26, 2025 - Gotodoctor.ca is thrilled to announce its new partnership with **Lung Games International Inc.** to launch a demonstration project introducing *Sparky™*, a game that uses the spirometer as the game controller, to help preschool children learn lung function testing while allowing parents and clinicians to monitor lung health.

Asthma is the most common chronic condition in children, with 1 in 3 emergency department visits for children under five being asthma-related. Yet, there are currently no objective tools available in the community for diagnosing or monitoring asthma in children under six. *Sparky™* addresses this critical gap by transforming spirometry maneuvers into a fun, interactive gaming experience using a spirometer as the game controller. Children learn essential breathing exercises while their lung function is objectively measured and tracked in real-time.



Leveraging human factor engineering, *Sparky™* was co-designed with young children to ensure consideration of brain and physical development in game design. It is the first and only truly interactive game with a spirometer-controller that teaches children breathing techniques through the game itself, without the need for extensive coaching by clinicians in institutions. Primary care providers and parents now have a way to teach breathing exercises and objectively monitor lung health in young children while remaining in the community.

Why We Partnered

This collaboration combines Gotodoctor's digital care platform and extensive care network with LungGames' engaging, child-friendly spirometry innovation. Together, we are able to validate new approaches to pediatric asthma care in real-world settings, paving the way for Sparky to become a tool under public and private health benefit programs.

"Through *breathing powered interactive gaming™* with *Sparky™*, LungGames is making timely spirometry accessible to young children in all communities," commented **LungGames' CEO, Nancy Lum-Wilson**. "Our collaboration with GoToDoctor is an opportunity to showcase how integrated care with innovative digital solutions supports families, clinicians and payers to improve respiratory outcomes and quality of care at a population level."

"By combining Gotodoctor's digital healthcare platform with LungGames' technology, we are creating a new way for children, parents, and clinicians to work together in managing asthma," said **Tommy Cheung, CEO and Founder of Gotodoctor.ca**. "This collaboration not only gives families clear, objective tools while showing how digital health can scale to support more patients, but also demonstrates the capability of the Gotodoctor platform to integrate innovative healthcare solutions for its partners and members."

For more information on Gotodoctor's initiatives, visit www.gotodoctor.ca/news.

About Lung Games International Inc.

Lung Games International Inc. ("LungGames") is an innovative Canadian serious gaming company with roots in the Netherlands, that has pioneered *breathing-powered interactive gaming™* to support inclusive respiratory health in children and adults.

Our vision is a world where lung health is accessible, affordable and fun for everyone. Our mission is to transform respiratory health through engaging and interactive games. Our belief is that our preventative digital approach, with the patient in control, will lay the foundation for system redesign for better health outcomes and more efficient resource use.

About Gotodoctor.ca

GotoDoctor is a leading B2B healthcare solution company with the mission to accelerate access to all available care for its members. Its Service Engine technology delivers scalable and uniform patient experience across both public and insurance benefit services. GotoDoctor also extends virtual care with its 250+ pharmacy and clinic physical care network, allowing members to access comprehensive in-person care and other healthcare services. An estimated million Canadians are connected to the GotoDoctor healthcare ecosystem.

Gotodoctor.ca is a preferred provider for Rexall and McKesson Canada's Retail Banner Group (IDA, Guardian, Remedy's Rx) pharmacies. Its platform model is already adopted and subscribed by major Canadian enterprises, TPAs, and other insurance partners, like Manitoba Blue Cross, Novartis Canada, Union Benefits, SEB Administrative Services/Co-Operators, The Leslie Group, Quick Health Access, Simply Benefits, and Automated Administration Services.

For more information, visit www.gotodoctor.ca/news or email info@gotodoctor.ca.