



**CASE FOR SUPPORT**

# The Translational Simulation Program

Establishing a high-impact, life-saving program for clinical teams across Providence Health Care

Continuous learning and improvement is the cornerstone of better care in our province.

Simulation is the application of instructional knowledge into action.

Providence Health Care (PHC)'s Translational Simulation Program provides the best vehicle for our clinicians to improve their skillsets, discover new techniques, and hone clinical practice in a controlled environment.

From St. Paul's Hospital's Teck Emergency Centre to the surgical table, simulation is an essential practice for our staff to serve patients at the highest level.

# Translational Simulation Program at Providence Health

The vision for the Translational Simulation Program based out of St. Paul's Hospital is simple - provide simulation-based learning at all levels of clinical education at PHC.

The COVID-19 pandemic underscored the absolute necessity for our clinical teams, across departments and sites, to be empowered by a continuous improvement and peer-run training program. Pandemic simulation modules and training were the first set of effective tools the team at St. Paul's Teck Emergency Centre had to manage COVID-19 effectively.

As burnout crept in, these simulations provided a safe forum for all departments across PHC to recover by using these modules to develop better methods to serve patients throughout the pandemic.

Our current Translational Simulation Program was borne out of a committed group of clinical leaders championing and developing modules with limited resources.

St. Paul's Foundation is now committed to seeing this program mature into a full-service, high-volume department that will support clinicians across all PHC sites.

## SIMULATION AS A TURN KEY SOLUTION TO LEARNING

During a medical crisis or a complex emergency procedure, a diverse group of health care experts - from specialty surgeons to nurses and paramedics - come together to provide life-saving care for patients.

This incredible collaboration and focus is driven by our well-practiced medical experts and made possible with strong in-situation training modules, which are developed in-house by the Translational Simulation Program.

At its current state, the program accommodates approximately 180 training simulations across multiple sites annually, which is well beyond its maximum capacity of available resources.

Whether it's running a 1-2 hour in-situation workshop on acute stroke in the Teck Emergency Centre or a 6-8 hour pandemic preparedness development session, this type of continuous improvement responsibility is currently held by a small team.

With only 25 clinical educators currently developing scenarios, leading training modules, and refining the material for all of PHC - this program is in dire need of expansion to serve our clinical teams.

### *Ready for the Moment*

During a simulation, there's less talking and much more doing.

The learned tactile knowledge gained through practice with resources and equipment, such as high-fidelity simulation manikins, breathing simulators, and sophisticated learning modules, is essential to empowering our clinical teams.

In the event of a real medical crisis, as the ambulance rolls up to the Teck Emergency Centre on Burrard Street, our team of experts are ready to jump into action without hesitation, because they have simulated the experience in training on site.



*Cardiac arrest demo at St. Paul's with a simulation manikin and mobile respirator.*

## Supporting the Future of Learning at PHC

St. Paul's Foundation is fundraising \$1.3 million for the Translational Simulation Program serving all of PHC. These funds would enable the following essential investments to expand the program:

**Salary Support (\$600,000):** Physician lead, admin coordinator, educator & manager

**Program Development (\$400,000):** Curriculum & program development, training, consultation & accreditation costs

**Equipment Purchasing (\$300,000):** High-fidelity manikins, breathing simulators, annual disposable equipment & supplies

With the entirety of this funding goal secured, the program will more than double its impact and capacity. This would enable up to 300-400 simulations per year, serving 2,000-2,500

learners annually, with increased frequency at all PHC sites including Mount Saint Joseph Hospital and our seniors and long-term care homes. Effectively, it would also mean that we could double our line-up of clinical educators and involve more allied health disciplines.

This is a massive step forward for health care delivery being patient-centric, collaborative, and customized to the ever-changing needs of the day. The true impact of simulation training cannot be overstated - this program has the unique ability to improve care at every level, reduce burnout for staff, and provide a vital resource for learners to hone their skills.

Translational simulation is part of the new vision of health care delivery excellence in British Columbia.

Thank you for your consideration and continued support for the clinical teams that put patients first every day.



# stpaul's FOUNDATION

## CONTACT US

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*We acknowledge with gratitude that Providence Health Care and St. Paul's Foundation work and provide care on the traditional, ancestral, and unceded territories of the x̱məθḵəyəm (Musqueam), Sḵwxwú7mesh (Squamish), and Səlilwataʔ (Tseil-Waututh) Nations.*

## About St. Paul's Foundation

St. Paul's Foundation raises funds to support compassionate, inspired care at 17 Providence Health Care sites in BC. These sites care for thousands of people every year, from those in neonatal care to palliative care. Today, many of our physicians and researchers are world leaders in their fields. St. Paul's Foundation—and a long line of generous and caring people in our community—have made that possible.

Charitable registration number: 11925 7939 RR0001