

## CARD (Comfort Ask Relax Distract) for vaccination - logic model<sup>1</sup>

A logic model is a visual illustration of a program's resources, activities and expected outcomes. It is a tool used to simplify complex relationships between various components and can be used during program planning, implementation and evaluation.<sup>2</sup>

RESOURCES/INPUTS	ACTIVITIES	OUTPUTS	OUTCOMES	
			SHORT TERM	LONG TERM
Resources are required to accomplish activities	Activities are needed to achieve target outputs	Activities will produce target outputs	Activities will produce short-term outcomes (immediate to 1yr)	Activities will produce long-term outcomes (1 to 3yrs)
Vaccination setting Vaccinating staff Designated manager Organization or corporate office/banner Other staff <sup>3</sup> Clients/patients and caregivers Education resources from CARD Selected engagement and environment resources Booking/scheduling systems Evaluation plan	Training of designated staff Analysis of environment pre-implementation Engagement of staff regarding process Changes made to booking/scheduling systems Changes made to environment and workflow processes Client/patient onsite and/or pre-appointment CARD education Implementation of CARD Evaluation conducted (clients/patients and staff)	Number of staff trained on CARD Number of staff participating in CARD Number of clients/patients who received CARD during vaccination Analysis of evaluation Modifications to inputs and activities Number of clients/patients educated about CARD Number of CARD interventions used	Increased staff knowledge Increased staff confidence in their ability to deliver vaccinations Improved staff skill in their ability to deliver vaccinations Improved staff vaccination experience/satisfaction Improved vaccination safety due to reduced ISRR <sup>4</sup> Improved client/patient vaccination experience/satisfaction Improved vaccination clinic workflow	Sustained implementation of CARD Efficient vaccine clinic planning and delivery Improved vaccine confidence (relationship-building with staff and clients/patients) Increased vaccine acceptance and demand Increased community immunity Increased staff retention (due to job satisfaction)

<sup>1</sup> Program logic models adapted from work conducted by the Association of Faculties of Pharmacy of Canada (AFPC) (2011).

<sup>2</sup> Public Health Ontario. [Logic model—A planning and evaluation tool](#) (2016)

<sup>3</sup> Administrative or other staff involved in vaccination services

<sup>4</sup> Immunization stress-related responses (ISRR)