

Radiation Awareness for First-Responders

Resources



**Radiation Safety Awareness  
for First Responders**



Radiation Awareness for Long-Term Care Workers Vol Test

Resources

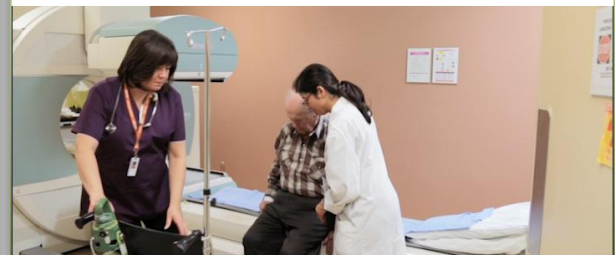


**Radiation Safety Awareness  
for Long Term Care Workers**



Radiation Awareness for Hospital Staff

Resources



**Radiation Safety Awareness  
for Healthcare Workers**



Collaboration.

Innovation.

Education.



**Medicine, Research, Commercial and  
Industrial workplaces**

**> 1 million packages shipped in  
Canada annually**

**30,000 + NM procedures each week in Canada**  
Patients become radiation sources

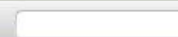
**787,700 Ontario Health care workers**  
**90,000 workers in Ontario Long Term Care facilities**  
**60,000+ Ontario Emergency Services workers**

**Where is radiation  
being used?**





## Radiation Safety Awareness for First Responders



PREV



NEXT

# Understanding Radiation Safety



## **RSIC's Role in Radiation Protection**

Training and Education

Dosimetry and Laboratory Services

Nuclear Licence Application Consultants

Public Information Provider through "Radiation Hotline"

**Thousands of trainees over 35 years**

## **Elearning**

**9 Active Programs since 2013**

~ 400 Registered Users

Registration tripled in 2014 compared to 2013.

2015 is projected to exceed 2014.


## **RSIC Training Programs & Services**





Risk of Death From Cancer2

Resource



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AD

### Risk of Death From Cancer

The increased risk of developing a fatal cancer for a large population of people is **4% for every 1000 mSv** dose

Natural cancer rate in Canada is **25%**. Exposing a large population to 1000 mSv **increases cancer rate to 29%**


Click a **radiation dose button** to see how this population's cancer rate is affected.

0 mSv - Natural

500 mSv

1000 mSv

3000 mSv



Interactivity to Engage  
the Learner





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**Collaboration.**

**Innovation.**

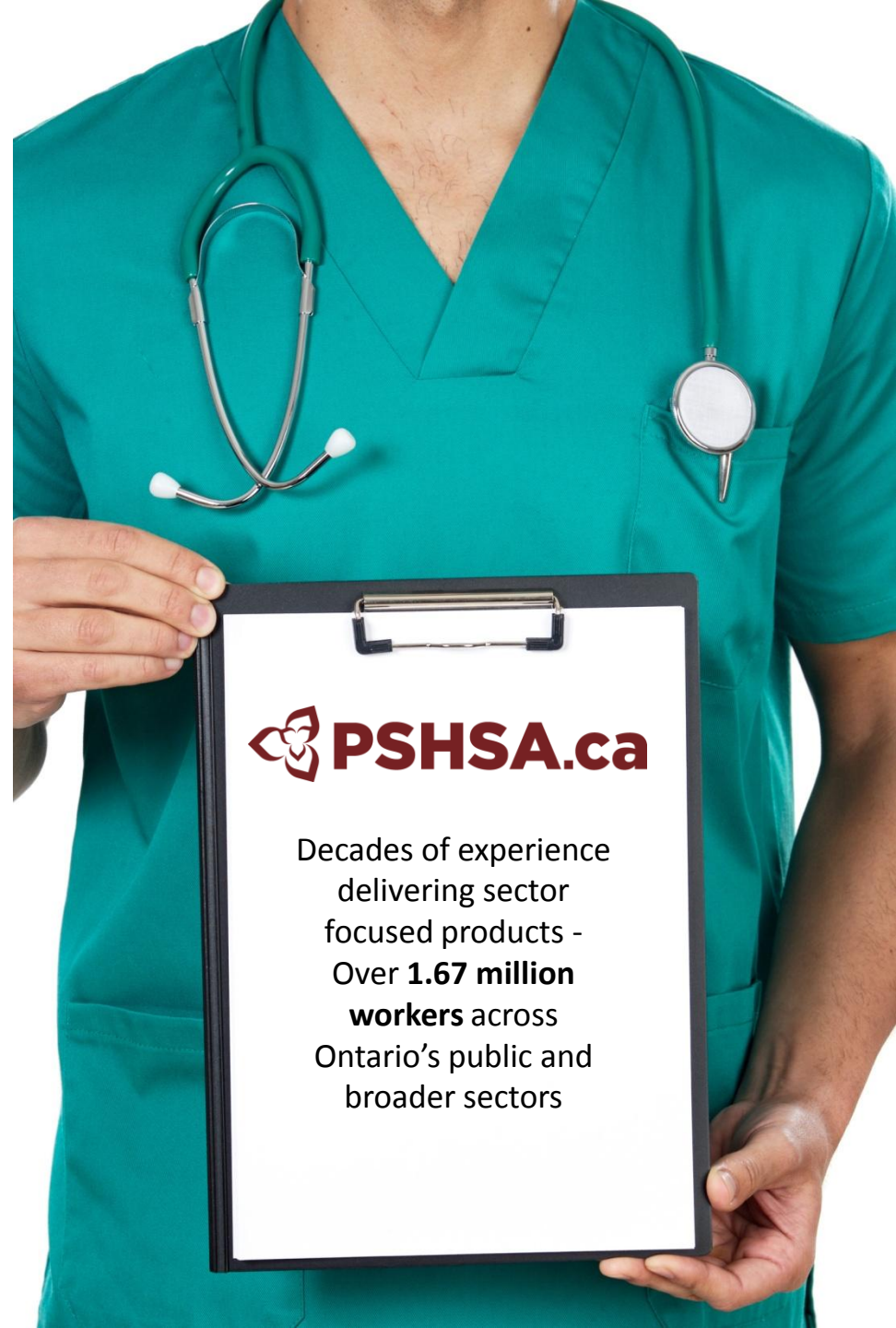
**Education.**



## A full range of training programs and services:

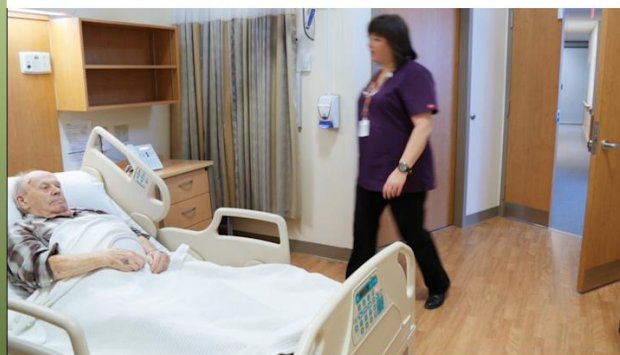
- **Sector Specific Expertise**
- **Animation/Graphic design**
- **Video production**
- **Elearning curriculum and content development**
- **Product development**

## PSHSA's Services

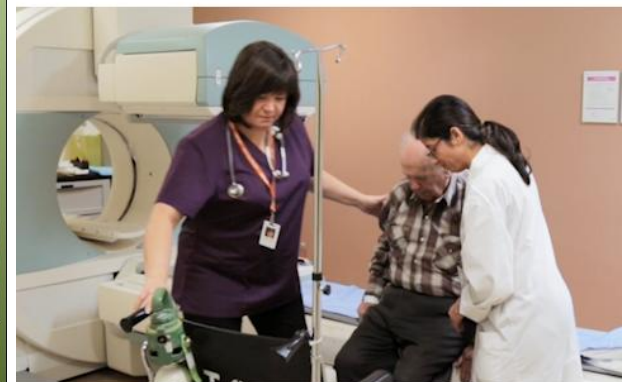




1<sup>st</sup> Responders.



Long Term Care.

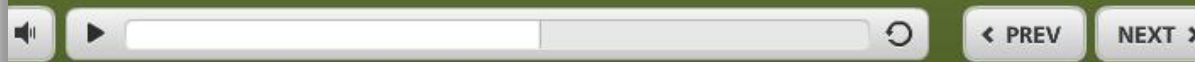


Healthcare.





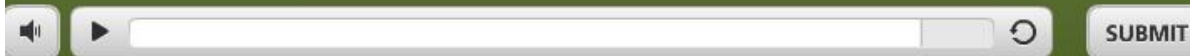
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# 1. Demonstration



**What are some  
measures to take  
to reduce exposure  
to radiation?**




## 2. Questions






Radiation Awareness for First-Responders Resources

What are some measures these First Responders could take to reduce their exposure? **Select all the apply.**

<input type="checkbox"/> Carefully dispose of contaminated materials	<input type="checkbox"/> Review the patient's medical history
<input type="checkbox"/> Wear approved PPE	<input type="checkbox"/> Keeping potentially contaminated PPE
<input type="checkbox"/> Slowly transferring the patient	<input type="checkbox"/> Follow normal handling procedures
<input type="checkbox"/> Inform the hospital of the radiation hazard	<input type="checkbox"/> Spend excessive time close to patient



### 3. Answer Slide

## Launch in conjunction with week of Partners in Prevention 2015

### Go-to-market strategy to include:

- Newsletters
- Email messaging
- Webinars (guest experts)
- Fast Facts
- Press Releases
- Social media
- Evaluation

## Launching the Training







## **Healing Arts Radiation Protection (HARP) Act**

**May extend to Ultrasound  
and Laser devices.**

**Potential impact on various  
workers in commercial or  
health care settings.**

**RSIC and PSHSA would be well suited to  
collaborate on training or awareness courses.**

## **Future Projects**





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**Thank you to our Sponsor, Partner and Supporters!**



**Grateful for the Support!**

Spencer Manwell Contact: [smanwell@radiationsafety.ca](mailto:smanwell@radiationsafety.ca)