

# PICNet

PROVINCIAL INFECTION CONTROL  
NETWORK OF BRITISH COLUMBIA  
A program of the Provincial Health Services Authority

# Provincial Health-Care Worker Infection Prevention and Control Education across the Continuum of Care

## ISSUE

The Provincial Infection Control Network of BC (PICNet) updated two infection prevention and control (IPC) health-care worker (HCW) on-line education courses based on a five-year review cycle, the evolution and emergence of new content, and evaluation survey responses.

The courses are cost-free and widely used for HCW orientation and continuing competence training curricula.

## PROJECT

### PICNet:

**PERFORMED A NEEDS ASSESSMENT** by reviewing past course evaluation responses, other organizational courses, and existing course content, to determine areas of improvement and address content gaps.

**CONVENED AND LED A WORKING GROUP** of IPC, workplace health and safety professionals, and clinical educators from across B.C. health authorities to inform revisions to course materials through various stages of development.

**REVISED TWO IPC BASICS** online education courses by creating new course curriculum scripts, practice scenarios, images and videos, and competency assessments. An online learning design consultant built an interactive course using Articulate® software.

**TRIALED AND TESTED THE COURSES** through recruitment of multi-disciplinary front-line HCWs.

**DEVELOPED A COMMUNICATION PLAN** to transition learners to new course content and for announcing the revised course launch.

**DEVELOPED AND ADMINISTERED AN EVALUATION SURVEY** after course completion to assess learners experience and inform future updates.

## RESULTS

**>140,000 HCWs** have completed the IPC basics courses since their launch in August 2022.

### INCLUDES

**Two courses separated by target audience:**

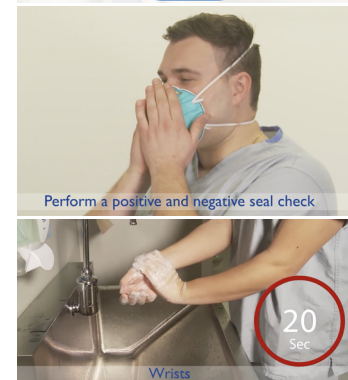
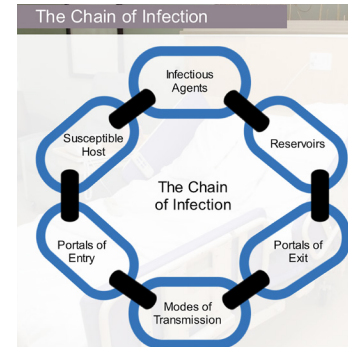
1. HCWs who primarily work in patient care areas and direct-care roles
2. HCWs in non-direct care roles

### COURSE CONTENT

- Consists of four modules with practice scenarios (based on learner selected practice setting), knowledge checks, and a competency assessment resulting in a certificate of completion.
- Integrates enhancements from COVID-19 pandemic.
- Incorporates guiding principles of adult learning, diversity, equity, and inclusion by using gender-neutral language and diversity of HCWs and health-care settings.
- Uses a variety of visual and auditory multi-media presentation and optimizes the practical application of IPC knowledge to improve the learner experience.

### SURVEY EVALUATION RESULTS

- Majority of the learners (>80%) found the course directions, vocabulary, level of difficulty, knowledge checks and quiz questions to be suitable.
- Learners appreciate the new content, multi-media format, and case-scenarios that facilitate practical and relevant knowledge application to their practice.



## LESSONS LEARNED

**LEARNERS DESIRE** shortened refresher courses and the addition of case scenarios for pre-hospital and community outreach settings.

**NEXT STEPS** will include continued, periodic modification to course content and delivery based on feedback received and evolving knowledge.

## ACKNOWLEDGEMENTS

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- Boris Avdeyev (Learning Design Consultant)
- PHSA Learning Hub
- B.C.'s Ministry of Health.

### LAND ACKNOWLEDGEMENT

*As a provincial network, we operate on the unceded traditional and ancestral lands of First Nations. Our main office is located on the traditional and ancestral lands of the territories of the Musqueam, Squamish, Stó:lō and Tsleil-Waututh Nations.*