

**Registered Nurses' Association of Ontario:  
Nursing Best Practice Guidelines Program  
Implementing Supervised Injection Services  
February, 2018**

### Systematic Review Search Strategy

Concurrent with the review of existing guidelines, a systematic review for recent literature relevant to the scope of the guideline was conducted by a health science librarian.

**Databases Searched:** Cumulative Index to Nursing and Allied Health (CINAHL), MEDLINE, PsycINFO (used for research questions 1 and 2 only), and Embase (used for research questions 2 and 3 only).

#### **Inclusion Criteria:**

The following criteria were used to guide the literature search:

##### *Target Population:*

- People who use drugs
- Age range not specified in order to capture literature published on youth of all ages
- Nurses and health workers, and organizations and health systems that provide support and service to people who use drugs

##### *Timeframe:*

- Articles published from January 2011 – April 2017

##### *Other Considerations:*

- Published in English
- Accessible for retrieval
- Setting: supervised injection services and other relevant harm reduction settings (e.g., needle exchange programs)
- Studies conducted internationally, but where it is applicable to a Canadian health-care context
- Primary focus was on studies relevant to nurses or within a nursing scope of practice; secondary focus was on studies relevant to other health workers who collaborate with nurses in SIS

##### *Type of Studies:*

- All study designs: systematic reviews, meta-analysis, critical reviews, literature reviews, scoping reviews, mixed methods, and all primary studies with a qualitative or quantitative design
- All research study designs that could be appraised using RNAO research team critical appraisal tools (reviews, mixed methods studies, RCTs, controlled clinical trials, quasi-experimental studies, cohort studies, case-control studies, cross-sectional studies, and descriptive/qualitative studies)

#### **Exclusion Criteria:**

- Dissertations, commentaries, narratives, discussion papers, conference proceedings
- Unpublished (grey literature)
- Lab studies on animals

- Non-English studies
- Studies that do not meet pre-established inclusion criteria

### **Search Terms**

Below are selected and condensed key search terms used for each research question in MEDLINE. Comparable terms were used in all other databases searched.

**Question 1:** How do health workers provide trauma-informed and culturally safe harm reduction care to people who are injecting drugs or accessing services in SIS facilities?

<b>Population</b>	<b>Intervention</b>	<b>Context</b>	<b>Outcomes</b>
<ul style="list-style-type: none"> <li>• Drug users</li> <li>• Street drugs</li> <li>• Opioid-related disorders</li> <li>• Substance abuse, intravenous</li> <li>• People who inject drugs</li> <li>• Injection drug use</li> </ul>	<ul style="list-style-type: none"> <li>• Trauma-informed approach</li> <li>• Cultural safety</li> <li>• Harm reduction</li> <li>• Human rights</li> <li>• Trust</li> <li>• Professional-patient relations</li> <li>• Health equity</li> <li>• Patient preference</li> </ul>	<ul style="list-style-type: none"> <li>• Supervised / safe injection sites / facilities / services</li> <li>• Supervised / safe consumption sites / facilities / services / rooms</li> <li>• Needle-exchange programs</li> </ul>	<ul style="list-style-type: none"> <li>• Engagement</li> <li>• Participation in care</li> <li>• Respect</li> <li>• Inclusion</li> <li>• Trust</li> <li>• Well-being and self-esteem</li> <li>• Safety</li> </ul>

**Question 2:** What are effective educational strategies to increase the knowledge, attitudes, and skill that health workers need to work with people who inject drugs or access services in SIS facilities?

<b>Population</b>	<b>Intervention</b>	<b>Context</b>	<b>Outcomes</b>
<ul style="list-style-type: none"> <li>• Nurses</li> <li>• Health occupations</li> <li>• Health personnel</li> <li>• Students, health occupations</li> </ul>	<ul style="list-style-type: none"> <li>• Education</li> <li>• In-service training</li> <li>• Staff development</li> <li>• Preceptorship</li> <li>• Mentors</li> <li>• Teaching materials</li> <li>• Simulation training</li> <li>• Videoconferencing</li> <li>• Webcasts</li> </ul>	<ul style="list-style-type: none"> <li>• Drug users</li> <li>• Street drugs</li> <li>• Opioid-related disorders</li> <li>• Substance abuse, intravenous</li> <li>• People who inject drugs</li> <li>• Injection drug use</li> <li>• Supervised / safe injection sites / facilities / services</li> <li>• Supervised / safe consumption sites / facilities / services / rooms</li> <li>• Needle-exchange programs</li> </ul>	<ul style="list-style-type: none"> <li>• Increased knowledge, skill, and confidence</li> <li>• Improved attitudes</li> <li>• Experience with people who use drugs and harm reduction</li> </ul>

**Question 3:** What organizational and health system policies are required to support health workers in providing high-quality care in SIS facilities?

Population	Intervention	Context	Outcomes
<ul style="list-style-type: none"> <li>• Drug users</li> <li>• Street drugs</li> <li>• Opioid-related disorders</li> <li>• Substance abuse, intravenous</li> <li>• People who inject drugs</li> <li>• Injection drug use</li> </ul>	<ul style="list-style-type: none"> <li>• Delivery of health care</li> <li>• Integrated health care</li> <li>• Accessibility</li> <li>• Public health</li> <li>• Legislation</li> <li>• Organizational Policy</li> <li>• Health Policy</li> <li>• Decision Making</li> <li>• Program development</li> </ul>	<ul style="list-style-type: none"> <li>• Supervised / safe injection sites / facilities / services</li> <li>• Supervised / safe consumption sites / facilities / services / rooms</li> <li>• Needle-exchange programs</li> </ul>	<ul style="list-style-type: none"> <li>• Access to services</li> <li>• Comprehensive programming</li> <li>• Health equity</li> <li>• Appropriate resources</li> <li>• Staffing</li> </ul>

### Hand Search

Panel members were asked to review personal libraries to identify key studies not found through the above search strategies. Studies identified by panel members were included in the search results if two nursing research associates independently determined the studies had not been identified by the literature search and met the inclusion criteria.