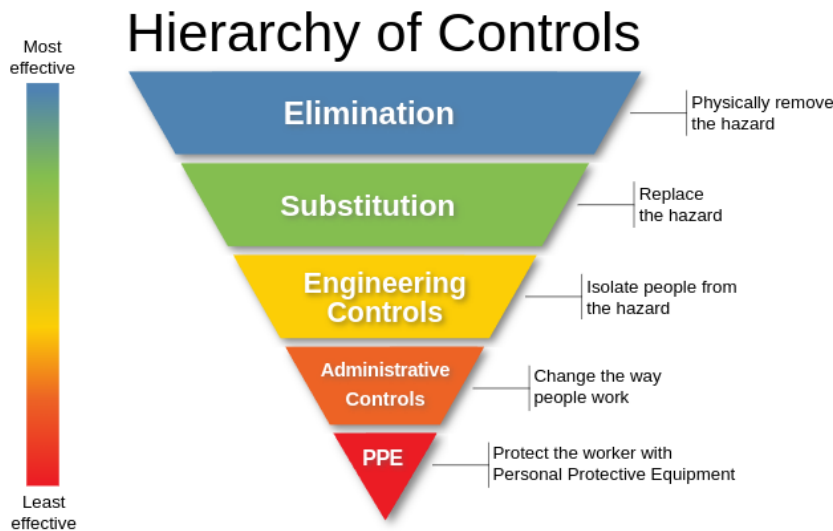


### Hierarchy of Controls, Risk Rating and OHS Recommendations

The City assesses hazards and risks by occupation and task, first inherently and then controls are applied to determine the residual risk level. OHS theory and legislation requires that the higher the inherent hazard, the more effective control type is required to reduce the risk to a reasonable level. The hierarchy of Controls and risk rating table are included below.

Findings from a review of City incident data, site observations and engagements with workers cultivated a hazard assessment to identify the known and potential hazards of City of Edmonton employees working around members of the public in the downtown core, and an assessment of the controls being utilized. Operations and OH&S professionals have determined that workers are being subjected to a number of physical and psychological hazards with current control strategies unable to address the hazards at the source. Below is an overview of the current hazards employees face and the recommended approach for an organizational shift to address the hazards at the source through elimination tactics in order to prevent continued exposure of these hazards and their effects on City of Edmonton employees.



Risk Rating			
Assigned Value	1	2	3
Severity	First Aid	Lost Time Injury	Fatal
Probability	Unlikely	Probable	Likely
Exposure	Rarely (less than once a month)	Often (three times a week)	Every Day
Rating Score	Serious 7, 8, 9 Moderate 5, 6 Low 3, 4	Note: Rate 1 is to be completed with no controls in place, and Rate 2 to be completed with controls in place	

Recommended approach for application of controls against current hazards

Hazard	Hazard Category	Hierarchy Control	Concept Applied to Employee Safety
<b>Potential contact with blood and bodily fluids (BBF)</b> including human excrement, urine, vomit, spit, used condoms, etc.	Biological	Elimination	<ul style="list-style-type: none"> <li>Eliminate public defecation, urination, spitting etc.</li> <li>Restrict and remove alcohol and illicit drug use</li> </ul>
<b>Potential contact with illegal drugs</b> , drug paraphernalia, or second hand exposure to people consuming drugs	Chemical	Elimination	<ul style="list-style-type: none"> <li>Eliminate open drug use on City property</li> <li>Discourage idling in public spaces</li> </ul>
		Engineering	<ul style="list-style-type: none"> <li>Add drug-use deterrents in consumption areas</li> <li>Create and design open and visible sight lines in facilities. Remove vestibules, recessed door entrances and areas where people idle</li> </ul>
<b>Unprovoked physical attacks by people</b> with aggressive or violent intentions	Physical	Elimination	<ul style="list-style-type: none"> <li>Restrict and remove people committing violent and harrassing behaviours from City property</li> <li>Restrict and remove alcohol and illicit drug use</li> <li>Discourage idling in public spaces</li> </ul>
<b>Increased stress and anxiety</b> due to fears of unprovoked violence, harassment, exposure to toxic drugs, and unpredictable behaviours	Psychological	Elimination	<ul style="list-style-type: none"> <li>Restrict and remove people committing violent and harrassing behaviours from City property</li> <li>Discourage idling in public spaces</li> </ul>
<b>Erosion of mental health</b> due to continued physical, sexual and racial harassment	Psychological	Elimination	<ul style="list-style-type: none"> <li>Restrict and remove people committing violent and harrassing behaviours from City property</li> <li>Discourage idling in public spaces</li> </ul>