Opioid Public Health Emergency
Vancouver City Council

Dr. Perry Kendall
Provincial Health Officer
October 3, 2017
Illicit Drug Overdose Deaths including and excluding Fentanyl, 2007-2016

Source - BC Coroner’s Service – Illicit Drug Overdose Deaths in BC
January 1, 2007 – July 31, 2017
BC Data and Rates

Illicit Drug Overdose Deaths and Death Rate per 100,000 Population [2,5]

Deaths

<table>
<thead>
<tr>
<th>Year</th>
<th>Deaths</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>'91</td>
<td>117</td>
<td>3.5</td>
</tr>
<tr>
<td>'92</td>
<td>162</td>
<td>4.7</td>
</tr>
<tr>
<td>'93</td>
<td>354</td>
<td>9.9</td>
</tr>
<tr>
<td>'94</td>
<td>308</td>
<td>8.4</td>
</tr>
<tr>
<td>'95</td>
<td>217</td>
<td>5.7</td>
</tr>
<tr>
<td>'96</td>
<td>301</td>
<td>7.8</td>
</tr>
<tr>
<td>'97</td>
<td>300</td>
<td>7.6</td>
</tr>
<tr>
<td>'98</td>
<td>272</td>
<td>10.0</td>
</tr>
<tr>
<td>'99</td>
<td>236</td>
<td>5.8</td>
</tr>
<tr>
<td>'00</td>
<td>236</td>
<td>5.8</td>
</tr>
<tr>
<td>'01</td>
<td>172</td>
<td>4.2</td>
</tr>
<tr>
<td>'02</td>
<td>190</td>
<td>4.6</td>
</tr>
<tr>
<td>'03</td>
<td>183</td>
<td>4.4</td>
</tr>
<tr>
<td>'04</td>
<td>230</td>
<td>5.5</td>
</tr>
<tr>
<td>'05</td>
<td>229</td>
<td>5.4</td>
</tr>
<tr>
<td>'06</td>
<td>202</td>
<td>4.7</td>
</tr>
<tr>
<td>'07</td>
<td>183</td>
<td>4.2</td>
</tr>
<tr>
<td>'08</td>
<td>201</td>
<td>4.6</td>
</tr>
<tr>
<td>'09</td>
<td>211</td>
<td>4.7</td>
</tr>
<tr>
<td>'10</td>
<td>294</td>
<td>6.5</td>
</tr>
<tr>
<td>'11</td>
<td>269</td>
<td>5.9</td>
</tr>
<tr>
<td>'12</td>
<td>333</td>
<td>7.3</td>
</tr>
<tr>
<td>'13</td>
<td>369</td>
<td>7.9</td>
</tr>
<tr>
<td>'14</td>
<td>519</td>
<td>11.1</td>
</tr>
<tr>
<td>'15</td>
<td>978</td>
<td>20.6</td>
</tr>
<tr>
<td>'16</td>
<td>876</td>
<td>31.3</td>
</tr>
</tbody>
</table>

Death Rate per 100,000 Pop.
## BC Data by Township of Injury:

### Illicit Drug Overdose Deaths by Top Townships of Injury, 2007-2017* [2,4]

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Vancouver</td>
<td>59</td>
<td>38</td>
<td>60</td>
<td>42</td>
<td>69</td>
<td>65</td>
<td>80</td>
<td>101</td>
<td>136</td>
<td>231</td>
<td>226</td>
</tr>
<tr>
<td>Surrey</td>
<td>22</td>
<td>20</td>
<td>23</td>
<td>33</td>
<td>42</td>
<td>44</td>
<td>36</td>
<td>43</td>
<td>76</td>
<td>119</td>
<td>101</td>
</tr>
<tr>
<td>Victoria</td>
<td>19</td>
<td>29</td>
<td>13</td>
<td>13</td>
<td>17</td>
<td>17</td>
<td>25</td>
<td>20</td>
<td>21</td>
<td>67</td>
<td>57</td>
</tr>
<tr>
<td>Kelowna</td>
<td>6</td>
<td>2</td>
<td>5</td>
<td>9</td>
<td>14</td>
<td>8</td>
<td>12</td>
<td>12</td>
<td>19</td>
<td>47</td>
<td>50</td>
</tr>
<tr>
<td>Abbotsford</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>10</td>
<td>16</td>
<td>7</td>
<td>10</td>
<td>7</td>
<td>26</td>
<td>39</td>
<td>33</td>
</tr>
<tr>
<td>Burnaby</td>
<td>9</td>
<td>12</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>10</td>
<td>13</td>
<td>12</td>
<td>16</td>
<td>39</td>
<td>30</td>
</tr>
<tr>
<td>Kamloops</td>
<td>11</td>
<td>7</td>
<td>7</td>
<td>10</td>
<td>2</td>
<td>5</td>
<td>8</td>
<td>7</td>
<td>7</td>
<td>42</td>
<td>27</td>
</tr>
<tr>
<td>Nanaimo</td>
<td>2</td>
<td>2</td>
<td>6</td>
<td>4</td>
<td>8</td>
<td>6</td>
<td>20</td>
<td>16</td>
<td>19</td>
<td>28</td>
<td>24</td>
</tr>
<tr>
<td>Maple Ridge</td>
<td>5</td>
<td>2</td>
<td>6</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>10</td>
<td>14</td>
<td>29</td>
<td>27</td>
<td>22</td>
</tr>
<tr>
<td>Langley</td>
<td>3</td>
<td>6</td>
<td>2</td>
<td>3</td>
<td>10</td>
<td>5</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>Chilliwack</td>
<td>3</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>8</td>
<td>8</td>
<td>6</td>
<td>6</td>
<td>10</td>
<td>12</td>
<td>16</td>
</tr>
<tr>
<td>Vernon</td>
<td>3</td>
<td>1</td>
<td>4</td>
<td>6</td>
<td>7</td>
<td>1</td>
<td>11</td>
<td>6</td>
<td>8</td>
<td>12</td>
<td>16</td>
</tr>
<tr>
<td>Coquitlam</td>
<td>2</td>
<td>2</td>
<td>5</td>
<td>2</td>
<td>3</td>
<td>6</td>
<td>1</td>
<td>10</td>
<td>11</td>
<td>13</td>
<td>16</td>
</tr>
<tr>
<td>Richmond</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td>6</td>
<td>14</td>
<td>16</td>
</tr>
<tr>
<td>Other Township</td>
<td>55</td>
<td>53</td>
<td>53</td>
<td>60</td>
<td>80</td>
<td>81</td>
<td>88</td>
<td>102</td>
<td>125</td>
<td>258</td>
<td>222</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>202</strong></td>
<td><strong>183</strong></td>
<td><strong>201</strong></td>
<td><strong>211</strong></td>
<td><strong>294</strong></td>
<td><strong>269</strong></td>
<td><strong>333</strong></td>
<td><strong>369</strong></td>
<td><strong>519</strong></td>
<td><strong>978</strong></td>
<td><strong>876</strong></td>
</tr>
</tbody>
</table>

*sorted by 2017 totals
### Illicit Drug Overdose Deaths by Health Authority, 2007-2017[^2,^4,^6]

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Interior</td>
<td>35</td>
<td>22</td>
<td>35</td>
<td>37</td>
<td>38</td>
<td>31</td>
<td>54</td>
<td>47</td>
<td>63</td>
<td>161</td>
<td>146</td>
</tr>
<tr>
<td>Fraser</td>
<td>57</td>
<td>65</td>
<td>58</td>
<td>86</td>
<td>115</td>
<td>104</td>
<td>106</td>
<td>127</td>
<td>208</td>
<td>329</td>
<td>291</td>
</tr>
<tr>
<td>Vancouver Coastal</td>
<td>64</td>
<td>47</td>
<td>69</td>
<td>52</td>
<td>81</td>
<td>72</td>
<td>95</td>
<td>119</td>
<td>157</td>
<td>276</td>
<td>270</td>
</tr>
<tr>
<td>Vancouver Island</td>
<td>35</td>
<td>43</td>
<td>33</td>
<td>23</td>
<td>44</td>
<td>44</td>
<td>59</td>
<td>55</td>
<td>66</td>
<td>160</td>
<td>138</td>
</tr>
<tr>
<td>Northern</td>
<td>11</td>
<td>6</td>
<td>6</td>
<td>13</td>
<td>16</td>
<td>18</td>
<td>19</td>
<td>21</td>
<td>25</td>
<td>52</td>
<td>31</td>
</tr>
<tr>
<td>BC</td>
<td>202</td>
<td>183</td>
<td>201</td>
<td>211</td>
<td>294</td>
<td>269</td>
<td>333</td>
<td>369</td>
<td>519</td>
<td>978</td>
<td>876</td>
</tr>
</tbody>
</table>

### Illicit Drug Overdose Death Rates by Health Authority per 100,000, 2007-2017[^4-^7]

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Interior</td>
<td>5.0</td>
<td>3.1</td>
<td>4.9</td>
<td>5.2</td>
<td>5.3</td>
<td>4.3</td>
<td>7.5</td>
<td>6.4</td>
<td>8.5</td>
<td>21.7</td>
<td>33.3</td>
</tr>
<tr>
<td>Fraser</td>
<td>3.8</td>
<td>4.2</td>
<td>3.7</td>
<td>5.3</td>
<td>7.0</td>
<td>6.2</td>
<td>6.3</td>
<td>7.4</td>
<td>11.9</td>
<td>18.5</td>
<td>27.7</td>
</tr>
<tr>
<td>Vancouver Coastal</td>
<td>6.0</td>
<td>4.4</td>
<td>6.3</td>
<td>4.7</td>
<td>7.3</td>
<td>6.4</td>
<td>8.4</td>
<td>10.4</td>
<td>13.6</td>
<td>23.6</td>
<td>39.2</td>
</tr>
<tr>
<td>Vancouver Island</td>
<td>4.8</td>
<td>5.9</td>
<td>4.5</td>
<td>3.1</td>
<td>5.9</td>
<td>5.8</td>
<td>7.8</td>
<td>7.2</td>
<td>8.6</td>
<td>20.6</td>
<td>30.2</td>
</tr>
<tr>
<td>Northern</td>
<td>3.9</td>
<td>2.1</td>
<td>2.1</td>
<td>4.6</td>
<td>5.7</td>
<td>6.3</td>
<td>6.6</td>
<td>7.3</td>
<td>8.8</td>
<td>18.5</td>
<td>18.6</td>
</tr>
<tr>
<td>BC</td>
<td>4.7</td>
<td>4.2</td>
<td>4.6</td>
<td>4.7</td>
<td>6.5</td>
<td>5.9</td>
<td>7.3</td>
<td>7.9</td>
<td>11.1</td>
<td>20.6</td>
<td>31.3</td>
</tr>
</tbody>
</table>
FENTANYL EMERGENCY

The human and social costs of the fentanyl crisis continue to grow as more lives are lost to preventable opioid overdoses. Our government is working on a broad strategy to improve mental health and addictions services. Funding for that strategy starts in this budget update with a $322 million investment. This funding immediately flows to Health Authorities for prevention, early intervention, treatment, and recovery efforts. The investment also supports the new Ministry of Mental Health and Addictions and gives additional resources to the Ministry of Public Safety and Solicitor General to help deal with this crisis.
Provide Help Quickly When People Ask

- Build an improved treatment system by concentrating substance use services to ensure rapid access
- Target interventions to reach populations at greatest risk of overdose
- Support providers to deliver evidence-based care
Opioid Agonist Treatment

# of BC Patients on OAT (Jan 2015 – July 2017)

- Methadone
- Buprenorphine/Naloxone
Opioid Use Disorder Cascade of Care

Number of people at risk for overdose or experience problematic substance use but may not have a disorder

Number of people experiencing OUD but not in contact with the health system

Number of people who come into contact with the health system but are not initiated in treatment

Number of people who are linked to care but are not retained

Number of people who are linked to care but not able to adhere to optimal treatment

Number of people who are retained in treatment but may experience variances in social and medical stability
WHAT DID THE DATA SAY?

- **3.4%** of population of BC is comprised of First Nations peoples
- **14%** of all overdose events in BC involved First Nations peoples
- **10%** of all overdose deaths in BC involved First Nations peoples

First Nations people are **4.5X** more likely than non-First Nations to experience an overdose event

First Nations people are **3X** more likely than non-First Nations to die due to an overdose
WHERE DO WE GO NEXT?

SYSTEM-WIDE OPIOID PUBLIC HEALTH RESPONSE FOR FIRST NATIONS IN BC

4 ACTION AREAS

- Prevent people who overdose from dying
- Keep people safe when using substances
- Create an accessible range of treatment options
- Support people on their healing journeys
Update on the 2016/2017 Overdose Crisis

Presenters:
Mary Clare Zak
Managing Director
Social Policy and Projects

&

Chris Van Veen
Social Planner
Social Policy and Projects
Background to Vancouver Overdose Crisis
Overdose Deaths in Vancouver: 2007 – 2017 to date

- **259* overdose deaths so far in 2017**
- On track for over 350 OD deaths

**Overdose Deaths in Vancouver**
Jan 1, 2007 - September 24, 2017

Source of Data: BC Coroner Service and VPD

***Deaths in 2017 have yet to be confirmed by BC Coroner Service***
VFRS - High Rates are the “New Normal”

- **5,062** overdose calls so far in 2017
- On track for nearly **7000** calls in 2017 – a 67% increase over 2016 (4,709)

VFRS Annual Overdose Calls
2014 - 2017

- Overdose Calls
- Extrapolation based on 2017 rate

Source of Data: Vancouver Fire and Rescue Services
2017 Fire & Rescue Overdose Responses = 5,062 YTD

VFRS Overdose Calls Jan 1-Sep 24
Map shown by local health area. City total: 5,062

- City Centre: 760
- Downtown Eastside: 3,436
- Westside: 176
- Midtown: 293
- North East: 238
- South Vancouver: 159

Data Source: Vancouver Fire and Rescue Services
Interventions are Saving Lives

**Estimated Ratio of Overdose Deaths to Calls, Jan 1-Sept 24**

Total number of VPD overdose-suspected deaths to total number of VFRS overdose calls.

Map shown by local health area. City overall ratio: 1:21
VFRS calls from UBC are excluded.

Toxicology reports are not yet complete on police-attended sudden death cases, and final overdose death numbers need to be confirmed by the BC Coroners Service.

**Data Source:** Vancouver Police Department, Vancouver Fire and Rescue Services.
### 2016/2017 – City Activities Summary

<table>
<thead>
<tr>
<th>2016</th>
<th>2017</th>
<th>2017</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>November – December</strong></td>
<td><strong>January – March</strong></td>
<td><strong>April - June</strong></td>
<td><strong>July - September</strong></td>
</tr>
<tr>
<td>DTES Naloxone training</td>
<td>VFRS Medic unit/ wellness $2.05m</td>
<td>Addressing Stigma Forum</td>
<td>$600k in grants approved to 23 organizations</td>
</tr>
<tr>
<td>Mayor’s Forum</td>
<td>Community Policing $403K</td>
<td>Presentation to Senate Committee</td>
<td>Needle pick up coordination</td>
</tr>
<tr>
<td>Council approves 0.5% property tax $3.5M</td>
<td>Mayor’s Task Force report back: $445K for systems change, prevention, anti-stigma, healing &amp; wellness</td>
<td>Laneway signage</td>
<td></td>
</tr>
<tr>
<td>VCH Mobile Unit on CoV land</td>
<td>Approved transition Mayor’s Task Force to Urban Health Leaders</td>
<td>FCM staff working group initiated</td>
<td></td>
</tr>
</tbody>
</table>

**Weekly Monitoring & Reporting**
Summary of City Investments

Vancouver Fire and Rescue Services
- Additional Medic Unit
- Health and wellness supports

Community Overdose Grants
- 23 high impact projects
- Leveraged: Over $1.07m
- $600K allocated towards peer employment and capacity building

Community Policing and Safety
- New Strathcona CPC
- Budget increase for other CPCs

$3.5M
$2.05M
$1.02M
$430K
Hired Mental Health Coordinator

Implementing Resilient Minds Training with Canadian Mental Health Association

Implementing 1-year pilot to provide advanced trauma care for first responders in time of need
Reference signs help first responders locate people overdosing

Partnership with VPD, VFRS, and Emergency Health Services

Engineering evaluating
Managing Needles

1,445 needle reports from Jan – Aug 2017, up nearly 70% from same time last year

- Coordination with VCH including data sharing
- Engineering grants almost $1M for micro-cleaning to be increased in 2018
  - Over 56,000 needles collected
  - Collaboration with BIAs to identify priority areas
Carnegie Outreach Team trained in overdose response and naloxone

- **60 staff** trained to administer naloxone
- Attended **50 overdoses** this year

19 frontline housing staff trained

5 park rangers added to promote safety with support from Engineering in 6 DTES Parks
Convening with Partners and Residents

- Nov 2016 – DTES Naloxone Training (300+)
- Dec 2016 – Mayor’s Forum on Overdose Crisis
- Feb 2017 – Healthy City for All Leadership Table, People with Lived Experience, Partners in community and health
- Feb – April 2017 – Metro Vancouver Aboriginal Executive convened with City & provincial government

5 Priorities Identified:
1. Innovative anti-stigma programs
2. Building capacity with Urban Aboriginal communities
3. Addressing social isolation, especially men
4. Expanding beyond DTES
5. Addressing toxic drug supply
April 2017 – Senate Committee on Bill C-37: streamlining safe injection site applications

May 2017 – Big City Mayor’s Task Force
- Recommendations to Federal government: Pan-Canadian data coordination, treatment scale-up, and address root causes

September 2017 – UBCM endorses resolutions for response to overdose crisis
Council approved transition of Mayor’s Task Force on Mental Health and Addictions to Urban Health Leaders Action Council

- 5 year action plan with shared goals, targets, and resources
- Alignment with Healthy City Strategy, Poverty Reduction Strategy, CED Strategy, Housing Vancouver
- Kick off meeting: Fall 2017
Mobilization & Impact
Funded Project Highlights
Aboriginal people are 3 times more likely to die from an overdose

✓ $50K to Metro Vancouver Aboriginal Executive Council
✓ Created Urban Indigenous Opioid Task Force
  ✓ Leaders from Indigenous communities, health, addictions services, academia, and senior levels of government
  ✓ Identify priorities and develop policy recommendations
$43K to Spikes on Bikes: needle recovery and overdose response team

- Over 105,000 needles collected
- 77 overdose attended
- Pilot expansion to Olympic Village
Supported 6 overdose prevention sites throughout the DTES

$54K to Atira’s Sisterspace, North America’s only women-only overdose prevention site

Overdose training for tenants in 12 high risk SROs

Peer-to-peer education
More Projects Underway with Partners

• **Anti Stigma/Public Education**
  CAPUD - Frog Hollow - Lookout - Megaphone - PHS

• **Aboriginal Healing & Wellness**
  Native Education College - WAHRS - PHS - Vancouver Aboriginal Policing Centre

• **Outreach & Peer Support Across Vancouver**
  Lookout - RainCity - WISH - PACE

• **Toxic Drug Supply: Drug Testing & Low Barrier Treatment Pilots**
  BC Centre for Substance Use - PHS
Provincial Commitments & Next Steps
City is encouraged by $322M that the Province is investing in mental health and addictions

$31.14M for crisis response

Continue to advocate for our residents and build community capacity

Continue to collaborate while addressing ‘upstream’ needs
Summary & Next Steps

$3.5M invested in Crisis response

Province: $31.14M for overdose crisis response
Scaling up treatment options

Continue to collaborate with senior levels of Government & Community

Urban Health Action Leaders Council Update with Healthy City Strategy in Nov 2017

Engagement with Community and Government Stakeholders
Thank You