International Narcotics Control Board

Intergovernmental expert group on the international challenge posed by the non-medical use of synthetic opioids

Vienna, Austria

3 to 4 December 2018
CONSUMPTION INCREASING

Consumption of oxycodone, morphine, hydrocodone, codeine and hydromorphone, expressed in S-DDD (excluding fentanyl), 1997–2016

OVER PRESCRIPTION & DIVERSION

Consumption of fentanyl, oxycodone, morphine, hydrocodone, codeine and hydromorphone, expressed in S-DDD, 1997-2016

INTERNATIONAL

OVERVIEW: NON-MEDICAL SYNTHETIC OPIOIDS

GLOBAL OPIOIDS SEIZURES, 2000-2016

SYNTHETIC OPIOIDS

- Non-medical illicit opioids seizures now equivalent to heroin seizures.

NEW OPIOIDS EMERGE

- Pace of new emerging

Source: UNODC, annual report questionnaire
INTERNATIONAL PRECURSORS AND FENTANYL-RELATED SUBSTANCES

FENTANYL ANALOGUES AND PRECURSORS

SCHEDULING

- ANPP and NPP scheduled
- Thousands of fentanyl analogues/isomers exist
- Dangerous substances with no known legitimate uses
### ANNEX I. FENTANYL-RELATED SUBSTANCES\(^*\) WITH NO KNOWN LEGITIMATE USES

<table>
<thead>
<tr>
<th>No.</th>
<th>Uses</th>
<th>Common Substance Name</th>
<th>Other Alternative Substance Name(s)</th>
<th>Abbreviations</th>
<th>CAS No.*</th>
<th>Intl Ctr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Unknown</td>
<td>2,2'-difluoroantyl</td>
<td>N-[1-(2-fluorophenyl)piperidin-4-yl]-N-[2'-fluorophenyl]propanamide; 2'-ortho-difluorofentanyl; 2'-fluoro ortho-fluorofentanyl</td>
<td>2-FF, o-FF</td>
<td>943-49-8 (HG)</td>
<td></td>
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<tr>
<td>2</td>
<td>Unknown</td>
<td>2-fluoro butyrylantyl</td>
<td>N-[2-fluorophenyl]-N-[1-phenethyl(piperidin-4-yl) butyramide</td>
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<td></td>
<td></td>
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<tr>
<td>3</td>
<td>Unknown</td>
<td>2-fluorofentanyl</td>
<td>ortho-fluorofentanyl; N-[2-fluorophenyl]-N-[1-phenethyl(piperidin-4-yl)]propanamide</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>4</td>
<td>Unknown</td>
<td>2-furanylfenylantyl</td>
<td>N-[1-[2-(2-furanyl)ethyl]-4-piperidinyl]-N-phenyl-propanamide</td>
<td>2-isopropyl Fur-F</td>
<td>1443-49-8 (HG)</td>
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<tr>
<td>5</td>
<td>Unknown</td>
<td>2-isopropylfuranylfentanyl</td>
<td>2-isopropyl furan fentanyl; ortho-isopropyl furanyl fentanyl; N-[2-isopropylphenyl]-N-[1-phenethyl(piperidin-4-yl)]furan-2-carboxamide; 2-Furan/fentanyl ortho-2-isopropylphenyl analogue</td>
<td>2-methoxy Fur-F, 2-Mec-FurF</td>
<td>101343-50-4</td>
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<td>6</td>
<td>Unknown</td>
<td>2-methoxy furanylfentanyl</td>
<td>N-[2-methoxyphenyl]-N-[1-[2-(2-furanyl)ethyl]-4-piperidinyl]-N-2-furancarboxamide; 2-Furan/fentanyl ortho-2-methoxyphenyl analogue; ortho-methoxy furan fentanyl</td>
<td>2-methyl Fur-F</td>
<td>82208-84-2</td>
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<td>7</td>
<td>Unknown</td>
<td>2-methyl furanylfentanyl</td>
<td>N-[1-phenethyl(piperidin-4-yl)]-N-(o-tolyl)furan-2-carboxamide</td>
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<td>8</td>
<td>Unknown</td>
<td>3-ethyl fentanyl</td>
<td>N-[2-ethylphenyl]-3-(prop-2-en-1-yl)piperidin-4-yl)propanamide</td>
<td>3-MBF</td>
<td>97605-09-9</td>
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<td>9</td>
<td>Unknown</td>
<td>3-fluorobutylantyl</td>
<td>N-[3-fluorophenyl]-N-[1-phenethyl(piperidin-4-yl) butyramide meta-fluorofentanyl; N-[3-fluorophenyl]-N-[1-phenethyl(piperidin-4-yl)]propanamide; N-[3-fluorophenyl]-N-[1-[2-phenylethyl]-4-piperidinyl]propanamide</td>
<td>3-MF, F7209</td>
<td>42045-86-3</td>
<td>1961/I.V</td>
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<td>10</td>
<td>Unknown</td>
<td>3-fluorofentanyl</td>
<td>N-[3-fluorophenyl]-N-[1-phenethyl(piperidin-4-yl)]propanamide</td>
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<td>11</td>
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<td>3-furanylfentanyl</td>
<td>N-[1-[2-(2-furanyl)ethyl]-piperidin-4-yl]-furan-3-carboxamide</td>
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<td>742029-98-5</td>
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<td>12</td>
<td>Unknown</td>
<td>3-methylbutyfentanyl</td>
<td>N-[3-methyl-1-[2-phenethyl(piperidin-4-yl)]-N-phenylbutanamide; mefentanyl</td>
<td></td>
<td>131690-45-4</td>
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<td>13</td>
<td>Unknown</td>
<td>3-methylfentanyl</td>
<td>N-[3-methyl-1-[2-phenethyl(piperidin-4-yl)]-N-phenylpropanamide; mefentanyl</td>
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<td></td>
<td></td>
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<tr>
<td>14</td>
<td>Unknown</td>
<td>3-methylthiofentanyl</td>
<td>N-[3-methyl-1-[2-(thiocen-2-yl)ethyl]-piperidin-4-yl]-N-phenylpropanamide; N-[3-methyl-1-[2-(2-thiethyl)ethyl]-4-piperidinyl]propanamide</td>
<td></td>
<td>79279-02-0</td>
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<td>15</td>
<td>Unknown</td>
<td>3-phenylpropanoylantyl</td>
<td>N-[1-[2-phenylethyl]-4-piperidinyl]-benzene propanamide; N-[1-[2-phenylethyl]-piperidin-4-yl]-3-phenylpropanamide; N-[1-phenethyl(piperidin-4-yl)-N-diphenylpropanamide; 3'-phenyl fentanyl</td>
<td>4-chloro Fur-F</td>
<td>79279-02-0</td>
<td></td>
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<tr>
<td>16</td>
<td>Unknown</td>
<td>4-methyl acetylfentanyl</td>
<td>N-[1-[2-(4-methyl)phenyl)ethyl]-4-piperidinyl]-N-phenyl-acetamide; Acetyl fentanyl 4-methylphenethanol analogue; para-methylphenethanol acetelylfentanyl</td>
<td>4-MBF, 4-FB, p-FB</td>
<td>1071703-95-1</td>
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<tr>
<td>17</td>
<td>Unknown</td>
<td>4-chlorofuranylfentanyl</td>
<td>N-[4-(4-chlorophenyl)]-N-[1-phenethyl(piperidin-4-yl)-furan-2-carboxamide</td>
<td>4-chloro Fur-F</td>
<td>244195-31-1</td>
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<tr>
<td>18</td>
<td>Unknown</td>
<td>4-fluoro butyrylfentanyl</td>
<td>N-[4-Fluorophenyl]-N-[1-[2-phenethyl(piperidin-4-yl)]butyramide; N-[4-fluorobutyl] fentanyl</td>
<td>4-FBF, 4-FB, p-FB</td>
<td>244195-31-1</td>
<td></td>
</tr>
</tbody>
</table>

* Source: INCB

- **93** fentanyl identified in circulation with no known legitimate use
- **77** are not under international control
ALERTS AND INTELLIGENCE PACKAGES FOR FOCAL POINTS

JOIN SPECIAL NOTICE

JONOTICE 3/2018
Oct 2018
New controls of 32 new psychoactive substances and fentanyl in China

JONOTICE 2/2018
Sept 2018
Fentanyl on fake LSD blotter paper

JONOTICE 1/2018
July 2018
Temporary controls of fentanyl in the USA

OPIOIDS NOTICE 3/2018
Oct 2018
New control of tramadol in India
✓ Expert Group Meeting (EGM): Internet Trafficking in Opioids (Jan 2018)
  ▪ Open internet and Darknet

✓ INCB Cooperation Agreement with Universal Postal Union (April 2018)

✓ EGM: Opioids Trafficking through Postal and Courier Service (April 2018)
  ▪ Govt and private sector participation

Source: INCB global OPIOIDS Project, 2018
MISUSE OF LEGITIMATE INDUSTRY AND SERVICES

- Online marketing and sales platforms misused for trafficking;
- Express mail, couriers and postal services misused for trafficking;
- Sale offers on popular social media platforms;
- INCB Partner with Governments and their private sector