



International Narcotics  
Control Board



# International Narcotics Control Board

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

Vienna, Austria

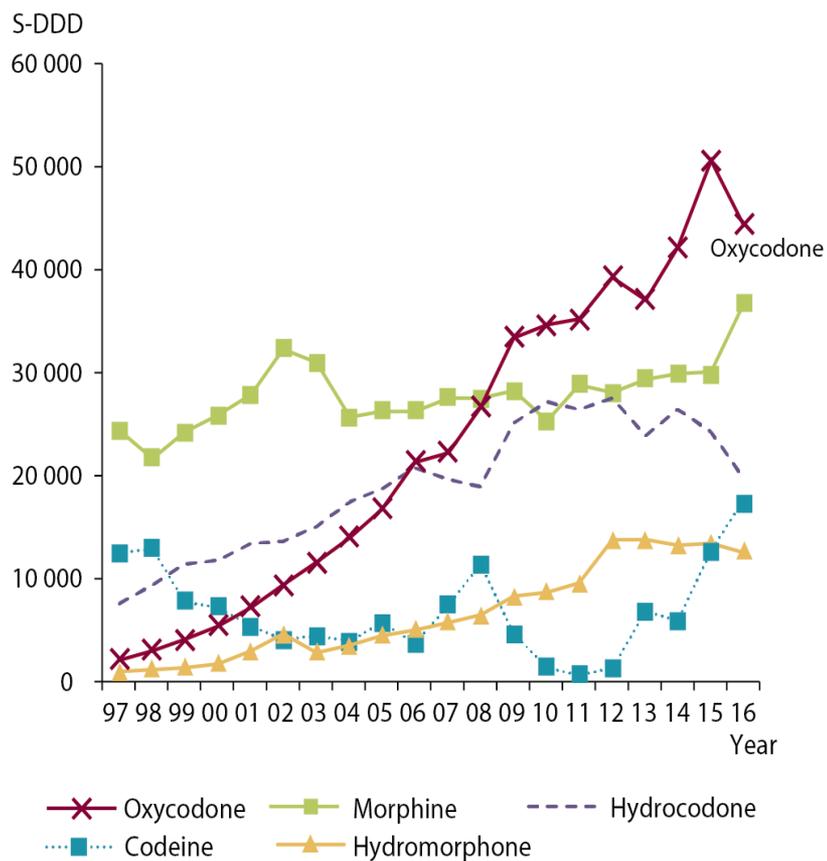
3 to 4 December 2018

GLOBAL PROJECTS BY THE INTERNATIONAL NARCOTICS CONTROL BOARD



## CONSUMPTION INCREASING

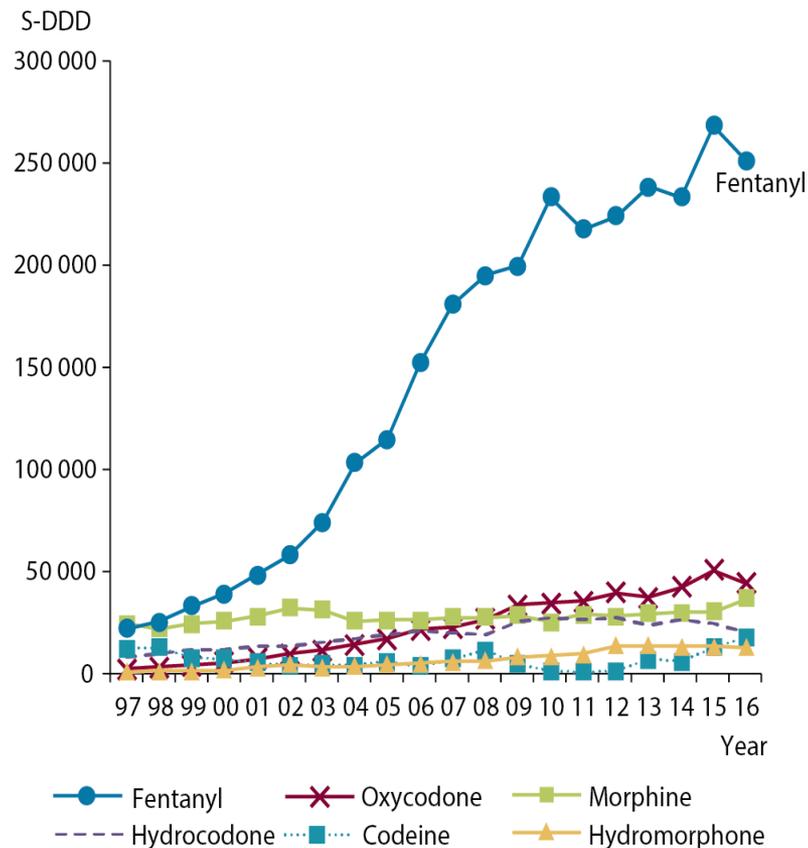
Consumption of oxycodone, morphine, hydrocodone, codeine and hydromorphone, expressed in S-DDD (excluding fentanyl), 1997–2016



Source: Report of the International Narcotics Control Board on Narcotic Drugs: Estimated World Requirements for 2018: Statistics for 2016 (E/INCB/2017/2)

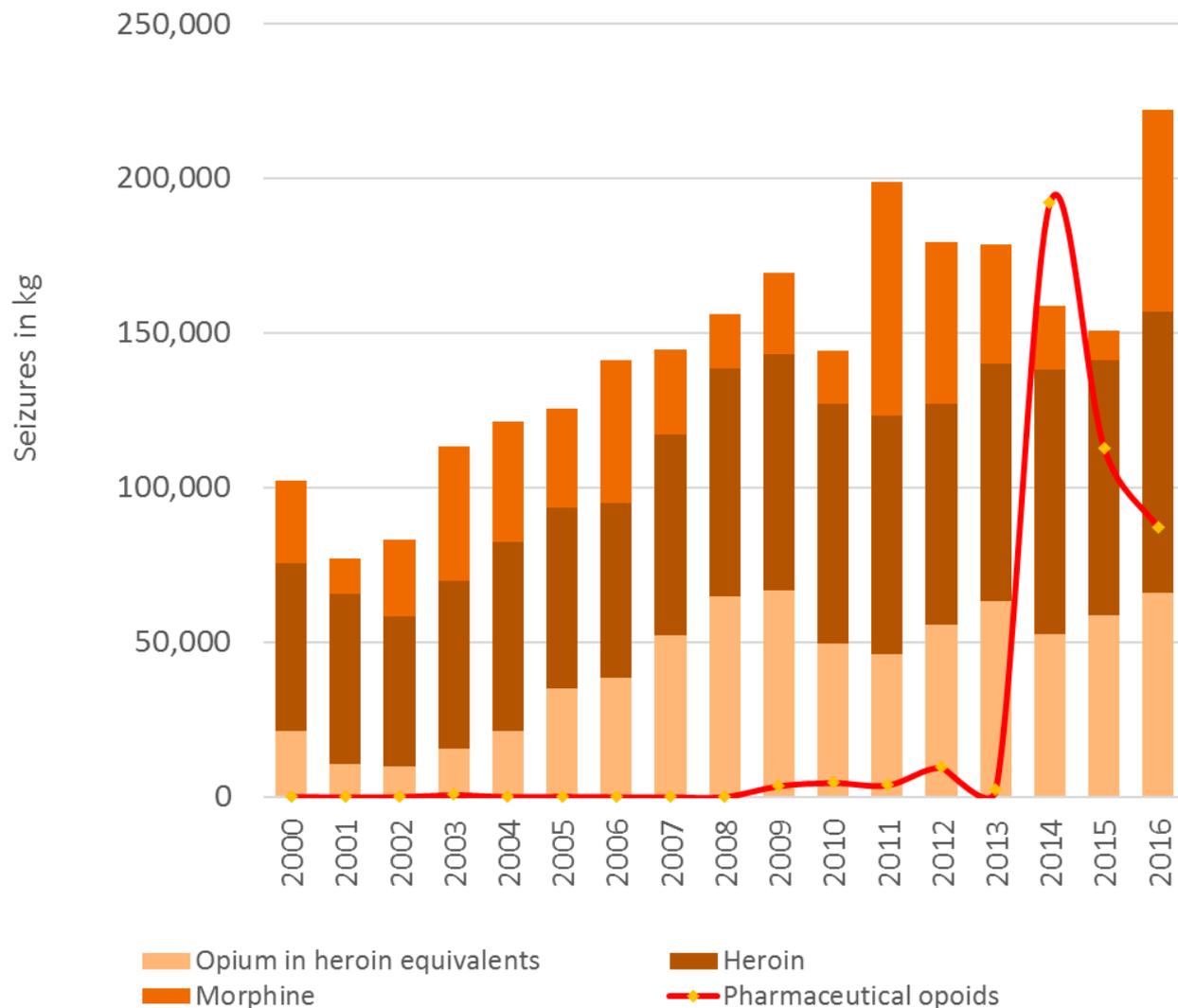
## OVER PRESCRIPTION & DIVERSION

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



Source: Report of the International Narcotics Control Board on Narcotic Drugs: Estimated World Requirements for 2018: Statistics for 2016 (E/INCB/2017/2)

## GLOBAL OPIOIDS SEIZURES, 2000-2016

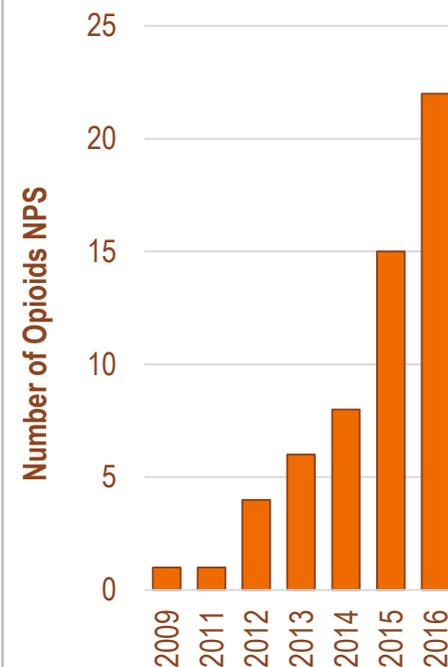


Source: UNODC, annual report questionnaire

## SYNTHETIC OPIOIDS

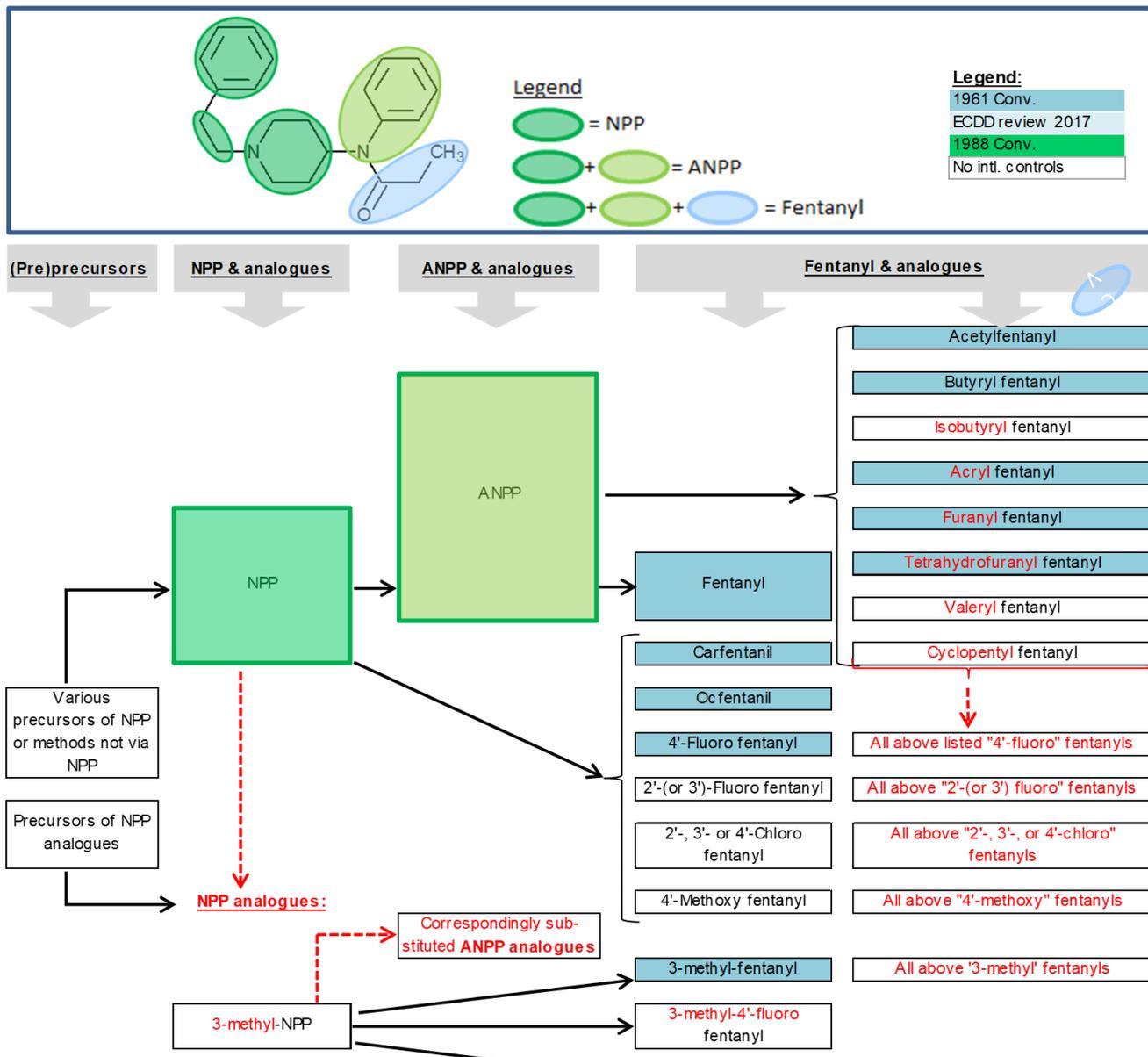
- Non-medical illicit opioids seizures now equivalent to heroin seizures.
- Pace of new emerging

## NEW OPIOIDS EMERGE



## FENTANYL ANALOGUES AND PRECURSORS

## SCHEDULING



- ANPP and NPP scheduled
- Thousands of fentanyl analogues/ isomers exist
- Dangerous substances with no known legitimate uses

DANGEROUS SUBSTANCES

FENTANYLS

ANNEX I. FENTANYL-RELATED SUBSTANCES<sup>a</sup> WITH NO KNOWN LEGITIMATE USES

No.	Uses <sup>b</sup>	Common Substance Name	Other/ Alternative Substance Name(s) <sup>c</sup>	Abbreviations	CAS No. <sup>d</sup>	Intl Ctrl. <sup>e</sup>
1	Unknown	2,2'-difluorofentanyl	N-(1-(2-fluorophenethyl)piperidin-4-yl)-N-(2-fluorophenyl)propionamide; 2'-ortho-difluorofentanyl; 2'-fluoro ortho-fluorofentanyl			
2	Unknown	2-fluoro butyrfentanyl	N-(2-fluorophenyl)-N-(1-phenethylpiperidin-4-yl) butyramide			
3	Known Uses	2-fluorofentanyl	ortho-fluorofentanyl; N-(2-fluorophenyl)-N-(1-phenethylpiperidin-4-yl)propionamide	2-FF; o-FF		
4	Unknown	2-furanylethyl fentanyl	N-[1-[2-(2-furanyl)ethyl]-4-piperidinyl]-N-phenyl-propanamide		1443-49-8 (HCl)	
5	Unknown	2-isopropylfentanyl	2-isopropyl furanyl fentanyl; ortho-isopropyl furanyl fentanyl; N-(2-isopropylphenyl)-N-(1-phenethylpiperidin-4-yl)furan-2-carboxamide; 2-Furanylfentanyl ortho-2-isopropylphenyl analogue	2-isopropyl Fu-F		
6	Unknown	2-methoxy furanyl fentanyl	N-(2-methoxyphenyl)-N-[1-(2-phenylethyl)-4-piperidinyl]-2-furancarboxamide; 2-Furanylfentanyl ortho-2-methoxyphenyl analogue; ortho-methoxy furanyl fentanyl	2-methoxy FuF; 2-Meo-FuF	101343-50-4	
7	Unknown	2-methyl furanyl fentanyl	N-(1-phenethylpiperidin-4-yl)-N-(o-tolyl)furan-2-carboxamide	2-methyl FuF		
8	Unknown	3-allyl fentanyl	N-phenyl-N-[1-(2-phenylethyl)-3-(prop-2-en-1-yl)piperidin-4-yl]propanamide		82208-84-2	
9	Unknown	3-fluoro butyrfentanyl	N-(3-fluorophenyl)-N-(1-phenethylpiperidin-4-yl) butyramide			
10	Unknown	3-fluorofentanyl	meta-fluorofentanyl; N-(3-fluorophenyl)-N-(1-phenethylpiperidin-4-yl)propionamide; N-(3-fluorophenyl)-N-[1-(2-phenylethyl)-4-piperidinyl]propanamide			
11	Unknown	3-furanyl fentanyl	N-phenyl-N-[1-(2-phenylethyl)piperidin-4-yl]furan-3-carboxamide			
12	Unknown	3-methylbutyr fentanyl	N-[3-methyl-1-(2-phenylethyl)piperidin-4-yl]-N-phenylbutanamide	3-MBF	97605-09-9	
13	No Known Uses	3-methylfentanyl	N-[3-methyl-1-(2-phenethyl)piperidin-4-yl]-N-phenylpropanamide; mefentanyl	3-MF; F7209	42045-86-3	1961/ I,IV
14	No Known Uses	3-methylthiofentanyl	N-[3-methyl-1-[2-(thiophen-2-yl)ethyl]piperidin-4-yl]-N-phenylpropanamide; N-[3-methyl-1-[2-(2-thienyl)ethyl]-4-piperidinyl]propionanilide		86052-04-2; 742029-96-5 (cis); 131690-45-4 (cis, HCl)	1961/ I,IV
15	Unknown	3-phenylpropanoylfentanyl	N-phenyl-N-[1-(2-phenylethyl)-4-piperidinyl]-benzenepropanamide; N-phenyl-N-[1-(2-phenylethyl)piperidin-4-yl]-3-phenylpropanamide; N-(1-phenethylpiperidin-4-yl)-N,3-diphenylpropanamide; β'-phenyl fentanyl		79279-02-0	
16	Unknown	4'-methyl acetyl fentanyl	N-[1-[2-(4-methylphenyl)ethyl]-4-piperidinyl]-N-phenyl-acetamide; Acetyl fentanyl 4-methylphenethyl analogue; para-methylphenethylacetyl fentanyl		1071703-95-1	
17	Unknown	4-chloro furanyl fentanyl	N-(4-chlorophenyl)-N-(1-phenethylpiperidin-4-yl)furan-2-carboxamide	4-chloro FuF		
18	No Known Uses	4-fluorobutyrfentanyl	N-(4-Fluorophenyl)-N-(1-phenethylpiperidin-4-yl) butyramide; N-(4-fluorophenyl)-N-[1-(2-phenylethyl)piperidin-4-yl]butanamide; para-fluorobutyryl fentanyl	4-FBF; 4F-BF; p-FBF	244195-31-1	
	No Known Uses	4-fluoroisobutyrfentanyl	para-fluoroisobutyrfentanyl; N-(4-fluorophenyl)-N-(1-	4-FIBF, pFIBF, 4F-	244195-	1961/ I

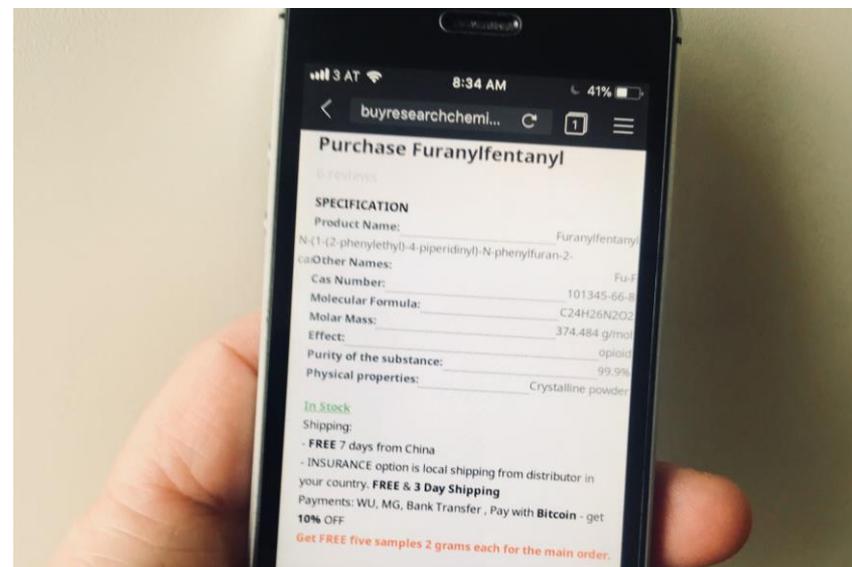
• **93** fentanyls identified in circulation with no known legitimate use

• **77** are not under international control

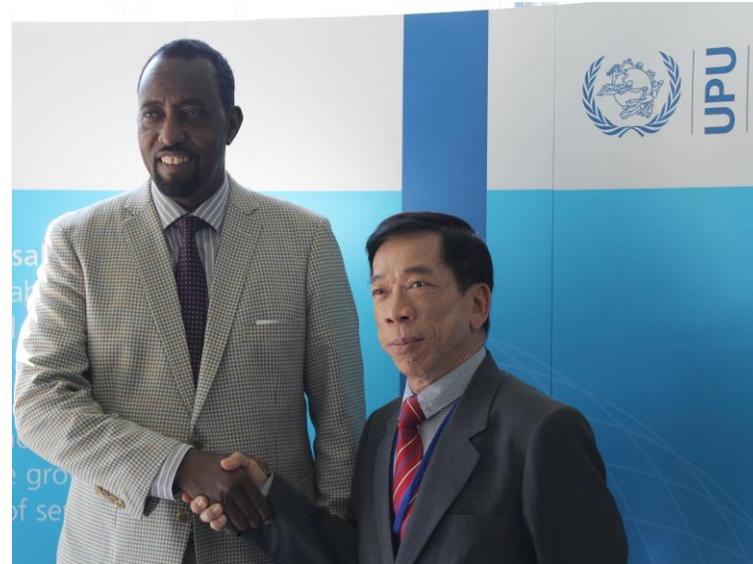


## INCB OPERATIONAL RESPONSES TO OPIOIDS TRAFFICKING

- ✓ 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

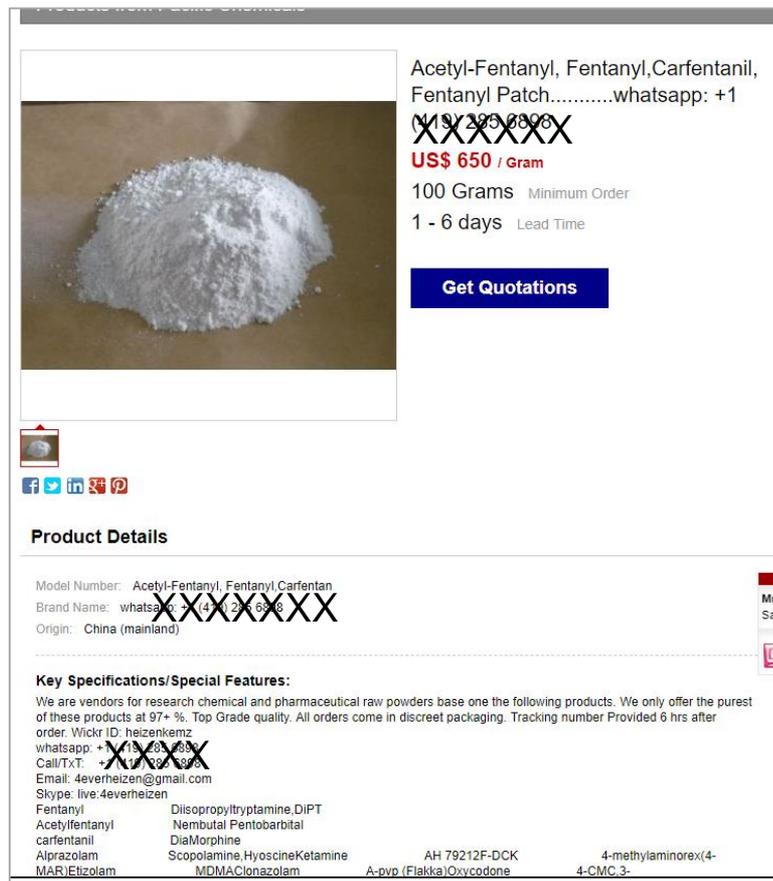


Source: INCB global OPIOIDS Project, 2018



## 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





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