

Drug Information
and
Money Laundering
in Vietnam

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Appendix 1. Definitions and Sources of Variables

Variable	Definition and Construction	Source
Prevalence of Cocaine Consumption	Prevalence of abuse of cocaine as percentage of the population aged 15-64.	World Drug Report and Global Illicit Drug Trends (United Nations Office on Drugs and Crime (UNODC), various years).
Prevalence of Heroin Consumption	Prevalence of abuse of heroin (opiates) as percentage of the population aged 15-64.	World Drug Report and Global Illicit Drug Trends (UNODC, various years).
Cocaine Retail Prices	Typical retail (street) price of cocaine expressed in the constant 2000 US\$ per gram. The Consumer Price Index (CPI) is used to deflate. Prices of crack cocaine are not included. Also, prices of coca base are ignored unless no other price information is available.	World Drug Report and Global Illicit Drug Trends (UNODC, various years), and World Development Indicators (World Bank, various years).
Heroin Retail Prices	Typical retail (street) price of heroin expressed in the constant 2000 US\$ per gram. The CPI is used to deflate. Prices of black tar and homebake heroin are excluded. When multiple prices are available (for most cases, those of heroin no.3 and no.4), an average is used.	World Drug Report and Global Illicit Drug Trends (UNODC, various years), and World Development Indicators (World Bank, various years).
Cocaine Retail Purity	Typical retail (street) purity level of cocaine in percentage. When only the range (minimum and maximum) of purity level is available, an average is computed. Purity levels of crack cocaine are excluded, and those of coca base are also ignored unless no other information is found.	World Drug Report and Global Illicit Drug Trends (UNODC, various years).
Heroin Retail Purity	Typical retail (street) purity level of heroin in percentage. When only the range (minimum and maximum) of purity level is available, an average is computed. Purity levels of black tar and homebake heroin are not included. When multiple purity information is available, an average is used.	World Drug Report and Global Illicit Drug Trends (UNODC, various years).
Cocaine Producer Countries	A dummy variable for countries where cultivation of cocaine is reported in any year during 1997 to 2005. The following three countries are pertinent: Bolivia, Colombia and Peru.	World Drug Report (UNODC, 2007), Global Illicit Drug Trends (UNODC, 1999), and International Narcotics Control Strategy Report (U.S. Department of State, 1998).
Opium Producer Countries	A dummy variable for countries where cultivation of opium is reported in any year during 1997 to 2005. The following ten countries are pertinent: Afghanistan, Colombia, Guatemala, India, Lao PDR, Mexico, Myanmar, Pakistan, Thailand and Vietnam.	International Narcotics Control Strategy Report (U.S. Department of State, 1998 and 2007).
Cocaine Seizures	Seizures of cocaine (base and salts) expressed in kilogram equivalents per 1,000 population.	Illicit Drug Seizure Reports (UNODC, data retrieved from www.unodc.org), and United Nations Common Database (UN, data retrieved from unstats.un.org).
Heroin Seizures	Seizures of heroin expressed in kilogram equivalents per 1,000 population.	Illicit Drug Seizure Reports (UNODC, data retrieved from www.unodc.org), and United Nations Common Database (UN, data retrieved from unstats.un.org).

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Attachments

Comments

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Heroin Information and Money Laundering
 Source: **WorldBank**

1. Trends in world drug markets [Opium / Heroin market](#)

OPIUM

Table 4. GLOBAL ILLICIT CULTIVATION OF OPIUM POPPY AND PRODUCTION OF OPIUM, 1990-2005

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
CULTIVATION^(a) IN HECTARES																
SOUTH-WEST ASIA																
Afghanistan	41,300	50,800	49,300	58,300	71,470	53,759	56,824	58,416	63,674	90,583	82,171	7,606	74,100	80,000	131,000	104,000
Pakistan	7,488	7,962	9,493	7,329	5,759	5,091	873	874	950	284	260	213	622	2,500	1,500	2,400
Subtotal	48,788	58,762	58,793	65,629	77,229	58,850	57,697	59,290	64,624	90,867	82,431	7,819	74,722	82,500	132,500	106,400
SOUTH-EAST ASIA																
Lao PDR	30,580	29,625	19,190	26,040	18,520	19,650	21,601	24,082	26,837	22,543	19,052	17,255	14,000	12,000	6,600	1,800
Myanmar	150,100	160,000	153,700	165,800	146,600	154,070	163,000	155,150	130,300	89,500	108,700	105,000	81,400	62,200	44,200	32,800
Thailand ^(b)	1,782	3,727	3,016	998	478	168	368	352	716	702	890	820	750			
Viet Nam ^(b)	18,000	17,000	12,199	4,268	3,066	1,880	1,743	340	442	442						
Subtotal	200,462	210,352	188,105	197,106	168,664	175,768	186,712	179,924	158,295	113,187	128,642	123,075	96,150	74,200	50,800	34,600
LATIN AMERICA																
Colombia ^(c)		1,160	6,578	5,008	15,091	5,226	4,916	6,584	7,350	6,500	6,500	4,300	4,100	4,100	3,950	2,000
Mexico ^(d)	5,450	3,765	3,310	3,960	5,795	5,050	5,100	4,000	5,500	3,600	1,900	4,400	2,700	4,800	3,500	3,300
Subtotal	5,450	4,925	9,888	8,968	20,886	10,276	10,016	10,584	12,850	10,100	8,400	8,700	6,800	8,900	7,450	5,300
OTHER																
Combined ^(e)	8,054	7,521	2,900	5,704	5,700	5,025	3,190	2,050	2,050	2,050	2,479	2,500	2,500	3,000	5,190	5,200
GRAND TOTAL	262,754	281,560	259,686	277,407	272,479	249,919	257,615	251,848	237,819	216,204	221,952	142,094	180,172	168,600	195,940	151,500

Drug Cultivation and Production Information
 Source: UNODC and WDR

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2. Trends Opium / Heroin market

OPIUM

Table 1. GLOBAL ILLICIT CULTIVATION OF OPIUM POPPY AND PRODUCTION OF OPIUM, 1990-2003

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
CULTIVATION⁽¹⁾ IN HECTARES														
SOUTH-WEST ASIA														
Afghanistan	41,300	50,800	49,300	58,300	71,470	53,759	56,824	58,416	63,674	90,583	82,171	7,606	74,100	80,000
Pakistan	7,488	7,962	9,493	7,329	5,759	5,091	873	874	950	284	260	213	622	2,500
Subtotal	48,788	58,762	58,793	65,629	77,229	58,850	57,697	59,290	64,624	90,867	82,431	7,819	74,722	82,500
SOUTH-EAST ASIA														
Lao PDR	30,580	29,625	19,190	26,040	18,520	19,650	21,601	24,082	26,837	22,543	19,052	17,255	14,000	12,000
Myanmar	150,100	160,000	153,700	165,800	146,600	154,070	163,000	155,150	130,300	89,500	108,700	105,000	81,400	62,200
Thailand ⁽²⁾	1,782	3,727	3,016	998	478	168	368	352	716	702	890	820	750	
Viet Nam ⁽²⁾	18,000	17,000	12,199	4,268	3,066	1,880	1,743	340	442	442				
Subtotal	209,462	210,352	188,105	197,106	168,664	175,768	186,712	179,924	158,295	113,187	128,642	123,075	96,150	74,200
LATIN AMERICA														
Colombia ⁽³⁾		1,160	6,578	5,008	15,091	5,226	4,916	6,584	7,350	6,500	6,500	4,300	4,100	4,100
Mexico ⁽⁴⁾	5,450	3,765	3,310	3,960	5,795	5,050	5,100	4,000	5,500	3,600	1,900	4,400	2,700	4,800
Subtotal	5,450	4,925	9,888	8,968	20,886	10,276	10,016	10,584	12,850	10,100	8,400	8,700	6,800	8,900
OTHER⁽⁵⁾														
Combined ⁽⁵⁾	8,054	7,521	2,900	5,704	5,700	5,025	3,190	2,050	2,050	2,050	2,479	2,500	2,500	3,000
GRAND TOTAL	262,754	281,560	259,686	277,407	272,479	249,919	257,615	251,848	257,819	216,204	221,952	142,094	180,172	168,600
POTENTIAL PRODUCTION IN METRIC TONS														
OPIUM														
SOUTH-WEST ASIA														
Afghanistan	1,570	1,980	1,970	2,330	3,416	2,335	2,248	2,804	2,693	4,565	3,276	185	3,400	3,600
Pakistan	150	160	181	161	128	112	24	24	26	9	8	5	5	52
Subtotal	1,720	2,140	2,151	2,491	3,544	2,447	2,272	2,828	2,719	4,574	3,284	190	3,405	3,652
SOUTH-EAST ASIA														
Lao PDR	202	196	127	169	120	128	140	147	124	124	167	134	112	120
Myanmar	1,621	1,728	1,660	1,791	1,583	1,664	1,760	1,676	1,303	895	1,087	1,097	828	810
Thailand ⁽²⁾	20	23	14	17	3	2	5	4	8	8	6	6	9	
Viet Nam ⁽²⁾	90	85	61	21	15	9	9	2	2	2				
Subtotal	1,933	2,032	1,862	1,998	1,721	1,803	1,914	1,829	1,437	1,029	1,260	1,257	949	930
LATIN AMERICA														

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Drug Cultivation and Production Information

Source: UNODC and WDR

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SEIZURES, 1999 - 2004

Opium (raw and prepared)

Region/country or territory	1999	2000	2001	2002	2003	2004
ASIA						
Central Asia and Transcaucasian countries						
Armenia	2.032 kg ^{out}	2.188 kg	0.090 kg	0.078 kg	0.039 kg	0.048 kg
Azerbaijan	52.218 kg	87.617 kg ^{ispo}	10.500 kg	0.127 kg	No Report	No Report
Georgia	14.700 kg ^{ispo}	33.500 kg ^{ispo}	No Report	No Report	8.400 kg	1.196 kg
Kazakhstan	170.236 kg	136.000 kg ^{fo}	36.000 kg ^{fo}	13.571 kg ^{fo}	192.000 kg ^{fo}	352.800 kg ^{fo}
Kyrgyzstan	151.174 kg	1405.232 kg	469.225 kg	109.295 kg	45.684 kg	317.458 kg
Tajikistan	1269.278 kg ^{fo}	4778.448 kg ^{fo}	3664.277 kg	1624.101 kg	2371.005 kg ^{fo}	2315.608 kg ^{fo}
Turkmenistan	4600.000 kg ^{fo}	2419.000 kg ^{fo}	267.000 kg ^{fo}	1200.000 kg ^{fo}	138.000 kg ^{fo}	655.500 kg ^{fo}
Uzbekistan	3292.342 kg	2008.200 kg	241.680 kg ^{fo}	76.000 kg ^{fo}	151.200 kg	384.744 kg
Sub-Total	9551.979 kg	10870.180 kg	4688.772 kg	3023.172 kg	2906.328 kg	4027.354 kg
East and South-East Asia						
China	1193.000 kg ^{ispo}	2428.000 kg ^{out}	2820.000 kg ^{out}	1219.300 kg	905.400 kg	890.400 kg
Hong Kong SAR, China	0.100 kg	0.090 kg	2.500 kg	No Report	No Report	No Report
Indonesia	3.097 kg ^{hlp}	0.034 kg ^{ispo}	0.009 kg	0.000 kg ^{out}	0.000 kg ^{out}	9.251 kg
Japan	7.688 kg	8.979 kg	No Report	5.700 kg ^{out}	6.600 kg	2.000 kg
Korea, Rep.	3.064 kg	14996 u. ^{ispo}	0.218 kg	0.258 kg ^{ispo}	25.284 kg	1.714 kg
Lao PDR	225.800 kg ^{hlp}	151.000 kg ^{out}	470.000 kg ^{out}	123.150 kg	209.200 kg	1.170 kg ^{out}
Malaysia	21.066 kg	0.710 kg	69.270 kg ^{ispo}	No Report	66.120 kg	100.334 kg
Myanmar	1759.538 kg	1773.652 kg	1770.773 kg	1989.222 kg	1685.566 kg	1001.834 kg
Singapore	98.144 kg	4.504 kg	13.375 kg	No Report	No Report	No Report
Thailand	421.939 kg	1595.000 kg ^{hlp}	2289.000 kg ^{hlp}	3458.000 kg ^{ispo}	10240.000 kg ^{out}	1173.000 kg ^{ncgr}
Viet Nam	495.000 kg ^{fo}	567.000 kg ^{fo}	583.005 kg	613.000 kg ^{fo}	280.000 kg	58.600 kg ^{fo}
Sub-Total	4228.436 kg	6528.969 kg	8018.149 kg	7408.630 kg	13418.170 kg	3238.303 kg
		14996 u.				
Near and Middle East /South-West Asia						
Afghanistan	No Report	No Report	No Report	5581.615 kg	8412.000 kg	21446.000 kg

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Drug Cultivation and Production Information
Source: UNODC and WDR

4.3. Seizures: Cannabis

SEIZURES, 1999 - 2004

Cannabis herb

Region/country or territory	1999	2000	2001	2002	2003	2004
ASIA						
East and South-East Asia						
Singapore	7.432 kg ^B	23.903 kg	8.843 kg	2.637 kg ^{ICPO}	0.065 kg	0.969 kg
Thailand	14706.198 kg	10320.000 kg ^{HNLF}	10921.000 kg ^{FO}	12095.000 kg ^{FO}	13650.000 kg ^{Govt.}	7062.000 kg ^{NSR}
Viet Nam	400.000 kg ^{FO}	2200.000 kg ^{FO}	1289.005 kg	243.000 kg ^{FO}	750.000 kg	1021.000 kg ^{FO}
Sub-Total	25952.750 kg	29757.500 kg	46197.290 kg	81360.370 kg	47446.660 kg	22966.730 kg
				24 u.	29 u.	
Near and Middle East /South-West Asia						
Bahrain	0.042 kg ^{ICPO}	7.417 kg ^{ICPO}	No Report	0.008 kg	No Report	No Report
Iran	No Report	1495.000 kg ^{ICPO}	No Report	No Report	No Report	No Report
Iraq	270.000 kg ^{NCB}	No Report	No Report	No Report	No Report	No Report
Israel	3400.000 kg ^{ICPO}	9855.000 kg	11685.000 kg	12382.000 kg	18425.000 kg	16020.000 kg
Jordan	No Report	No Report	55.034 kg	1.440 kg	No Report	No Report
Kuwait		3.099 kg ^{ICPO}	No Report	715.060 kg ^{ICPO}	No Report	No Report
Lebanon	1.379 kg	0.017 kg	0.011 kg	0.091 kg	0.464 kg	2.029 kg
Oman	0.269 kg	6823.000 kg ^{ICPO}	0.001 kg	0.306 kg	No Report	No Report

Drug Cultivation and Production Information

Source: UNODC and WDR

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SEIZURES, 1999 - 2004
Amphetamine-type Stimulants (excluding 'Ecstasy')

Region/country or territory	1999	2000	2001	2002	2003	2004
ASIA						
East and South-East Asia						
<i>Hong Kong SAR, China</i>	No Report	87.600 kg	63.100 kg	71.565 kg	39.445 kg	15.670 kg
		7879 u.	214776 u.	84203 u.	300791 u.	31088 u.
Indonesia	218.625 kg ^{HLP}	88.163 kg	48.848 kg 5355 u.	93.159 kg	45.154 kg	57.812 kg 8 u.
Japan	1994.459 kg 0.589 lt. 4589 u.	1030.580 kg ^{ICPO} 0.471 lt. 954 u.	419.175 kg 142 u.	446.000 kg 0.195 lt. 51830 u.	493.500 kg 0.038 lt.	509.300 kg 51252 u.
Korea, Rep.	29.233 kg	4.500 kg ^{ICPO} 9240 u.	169.562 kg 2095 u.	36.817 kg ^{ICPO}	64.809 kg	12.192 kg 300 u.
Lao PDR	931401 u. ^{Out}	1957929 u. ^{Out}	936168 u. ^{Out}	1517508 u. ^{Out}	1203729 u. ^{Out}	1954196 u. ^{Out}
<i>Macau SAR, China</i>	No Report	0.272 kg ^{ICPO} 785 u.	0.035 kg 1732 u.	1.108 kg 3867 u.	0.005 kg 530 u.	0.194 kg 117 u.
Malaysia	5.411 kg 329265 u.	208.100 kg 195387 u.	No Report	6.046 kg ^{ICPO} 419216 u.	102.200 kg 1294659 u.	97.488 kg 244536 u.
Mongolia	0.100 kg ^{ICPO}	No Report	4 u.	No Report	No Report	No Report
Myanmar	22.058 kg 28887514 u.	6.398 kg 26759772 u.	33103548 u.	431.200 kg 9399794 u.	102.000 kg 4002684 u.	0.155 kg 8379311 u.
Philippines	943.700 kg	989.760 kg 30.000 lt.	1777.642 kg	914.335 kg	3122.029 kg	756.000 kg ^{INCDR}
Singapore	1.300 kg 1380 u.	0.759 kg 24723 u.	2.175 kg 19935 u.	52243 u.	0.054 kg 8062 u.	0.123 kg 3480 u.
<i>Taiwan, Prov. of China</i>	No Report	836.000 kg ^{PRESS}	1156.000 kg ^{PRESS}	No Report	No Report	No Report
Thailand	4517.000 kg ^{FO}	7557.000 kg ^{HLP} 84000000 u.	8338.000 kg ^{FO}	8662.223 kg ^{ICPO}	6505.000 kg ^{Out}	2116.000 kg ^{INCDR}
Viet Nam	6025 u. ^{FO}	30876 u. ^{ICPO}	72391 u.	47852 u. ^{FO}	27000 u.	39467 u. ^{FO}
Sub-Total	23792.080 kg 0.589 lt.	31710.780 kg 30.471 lt.	16815.200 kg 34432100 u.	13852.700 kg 0.195 lt.	16304.340 kg 0.038 lt.	6311.384 kg 11579460 u.

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Drug Cultivation and Production Information
Source: UNODC and WDR