

Opioid Consumption Statistics

Focus on WHO Regions – SEARO and WPRO

Prepared for:

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Prepared by:

Pain & Policy Studies Group

WHO Collaborating Center for Policy and
Communications in Cancer Care

University of Wisconsin School of Medicine and Public Health

Paul P. Carbone Comprehensive Cancer Center

Madison, Wisconsin

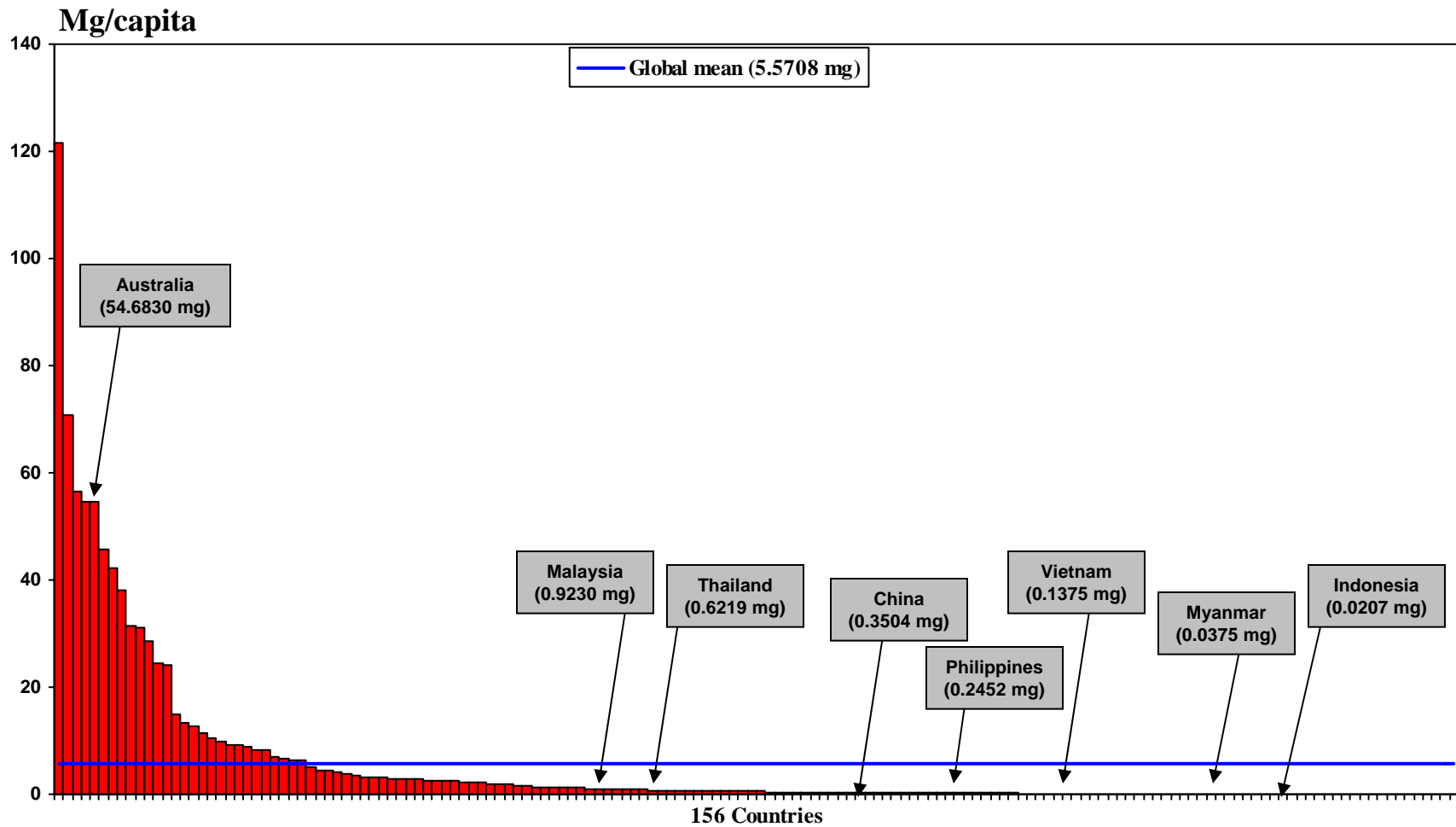
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2005 Global Consumption of Morphine



Sources: International Narcotics Control Board; United Nations population data; CIA World Factbook
By: Pain & Policy Studies Group, University of Wisconsin/WHO Collaborating Center, 2007

Global Morphine Consumption, 2005: (mg/capita)

Note: Countries not listed did not report morphine consumption to the INCB for 2005

1	Austria	121.4477	53	Ukraine	1.4626	105	Saint Lucia	0.1700
2	Canada	70.8756	54	Croatia	1.4284	106	Kyrgyzstan	0.1646
3	Denmark	56.6437	55	Netherlands Antilles	1.2350	107	Egypt	0.1644
4	Australia	54.6830	56	Brazil	1.1520	108	Turks & Caicos Islands	0.1481
5	United States of America	54.6161	57	Lebanon	1.1486	109	Viet Nam	0.1375
6	New Zealand	45.5940	58	Brunei Darussalam	1.1475	110	Morocco	0.1353
7	France	42.2925	59	Cuba	1.1254	111	Ecuador	0.1316
8	Iceland	37.9667	60	Jordan	1.1021	112	Uzbekistan	0.1275
9	Norway	31.3615	61	Singapore	0.9923	113	Vanuatu	0.1050
10	Switzerland	31.2043	62	Bosnia and Herzegovina	0.9892	114	Kenya	0.0986
11	United Kingdom	28.5573	63	Bahrain	0.9343	115	Senegal	0.0908
12	Germany	24.4174	64	Malaysia	0.9230	116	Zambia	0.0789
13	Sweden	24.1391	65	Bahamas	0.9067	117	Nepal	0.0786
14	Netherlands	14.8085	66	Dominican Republic	0.7984	118	Cape Verde	0.0700
15	Gibraltar	13.2069	67	Republic of Moldova	0.7774	119	Turkmenistan	0.0690
16	Belgium	12.7096	68	Dem. Peop. Rep. of Korea	0.7623	120	Namibia	0.0665
17	Ireland	11.5529	69	Jamaica	0.6592	121	Azerbaijan	0.0655
18	Slovenia	10.3270	70	Thailand	0.6219	122	Algeria	0.0631
19	Portugal	9.9375	71	Mauritius	0.6217	123	Wallis & Futuna Islands	0.0624
20	Malta	9.2500	72	Sri Lanka	0.6200	124	Syrian Arab Republic	0.0387
21	Spain	9.1038	73	Botswana	0.6028	125	Myanmar	0.0375
22	Saint Helena	8.8472	74	Oman	0.5636	126	Macedonia	0.0335
23	New Caledonia	8.2043	75	Belarus	0.5610	127	Guyana	0.0288
24	Luxembourg	8.1680	76	Greece	0.5600	128	Gabon	0.0264
25	Poland	6.9653	77	Russian Federation	0.5508	129	Indonesia	0.0207
26	Bulgaria	6.7874	78	Albania	0.5339	130	Dominica	0.0200
27	Czech Republic	6.4021	79	Peru	0.4911	131	Benin	0.0188
28	Israel	6.2226	80	Macao	0.4639	132	Djibouti	0.0188
29	Finland	5.2146	81	St Vincent & the Grenadines	0.4600	133	Sudan	0.0179
30	South Africa	4.4586	82	Marshall Islands	0.4571	134	Rwanda	0.0119
31	Estonia	4.4000	83	Samoa	0.4450	135	Chad	0.0118
32	Japan	3.9937	84	Suriname	0.4300	136	Sierra Leone	0.0079
33	Chile	3.7496	85	Montserrat	0.4282	137	Libyan Arab Jamahiriya	0.0079
34	Hong Kong SAR	3.3820	86	Republic of Palau	0.3940	138	Madagascar	0.0069
35	Slovakia	3.1844	87	Republic of Korea	0.3602	139	Eritrea	0.0067
36	Italy	3.1663	88	China	0.3504	140	Haiti	0.0065
37	Uruguay	3.1271	89	Tonga	0.3500	141	Mozambique	0.0056
38	Cyprus	2.9088	90	Saudi Arabia	0.3479	142	Congo	0.0051
39	Lithuania	2.8682	91	Micronesia (Fed. States of)	0.3238	143	Sao Tome and Principe	0.0050
40	Barbados	2.8233	92	El Salvador	0.3187	144	Lesotho	0.0050
41	Costa Rica	2.8070	93	Kiribati	0.3104	145	Yemen	0.0030
42	Argentina	2.5020	94	Nauru	0.3066	146	Uganda	0.0029
43	Hungary	2.5016	95	Qatar	0.2513	147	Burundi	0.0025
44	Georgia	2.4269	96	Philippines	0.2452	148	Côte d'Ivoire	0.0025
45	Latvia	2.4143	97	Grenada	0.2400	149	Congo (Dem. Rep.)	0.0016
46	Andorra	2.0933	98	Swaziland	0.2290	150	Tajikistan	0.0016
47	Mongolia	2.0654	99	United Arab Emirates	0.2179	151	Guinea	0.0011
48	Venezuela	2.0642	100	United Republic of Tanzania	0.2162	152	Niger	0.0007
49	Colombia	1.8667	101	Panama	0.2125	153	Burkina Faso	0.0007
50	Tunisia	1.8260	102	Kazakhstan	0.2097	154	Paraguay	0.0007
51	Cook Islands	1.7500	103	Nicaragua	0.1978	155	Togo	0.0007
52	Kuwait	1.5442	104	Turkey	0.1937	156	Ethiopia	0.0004

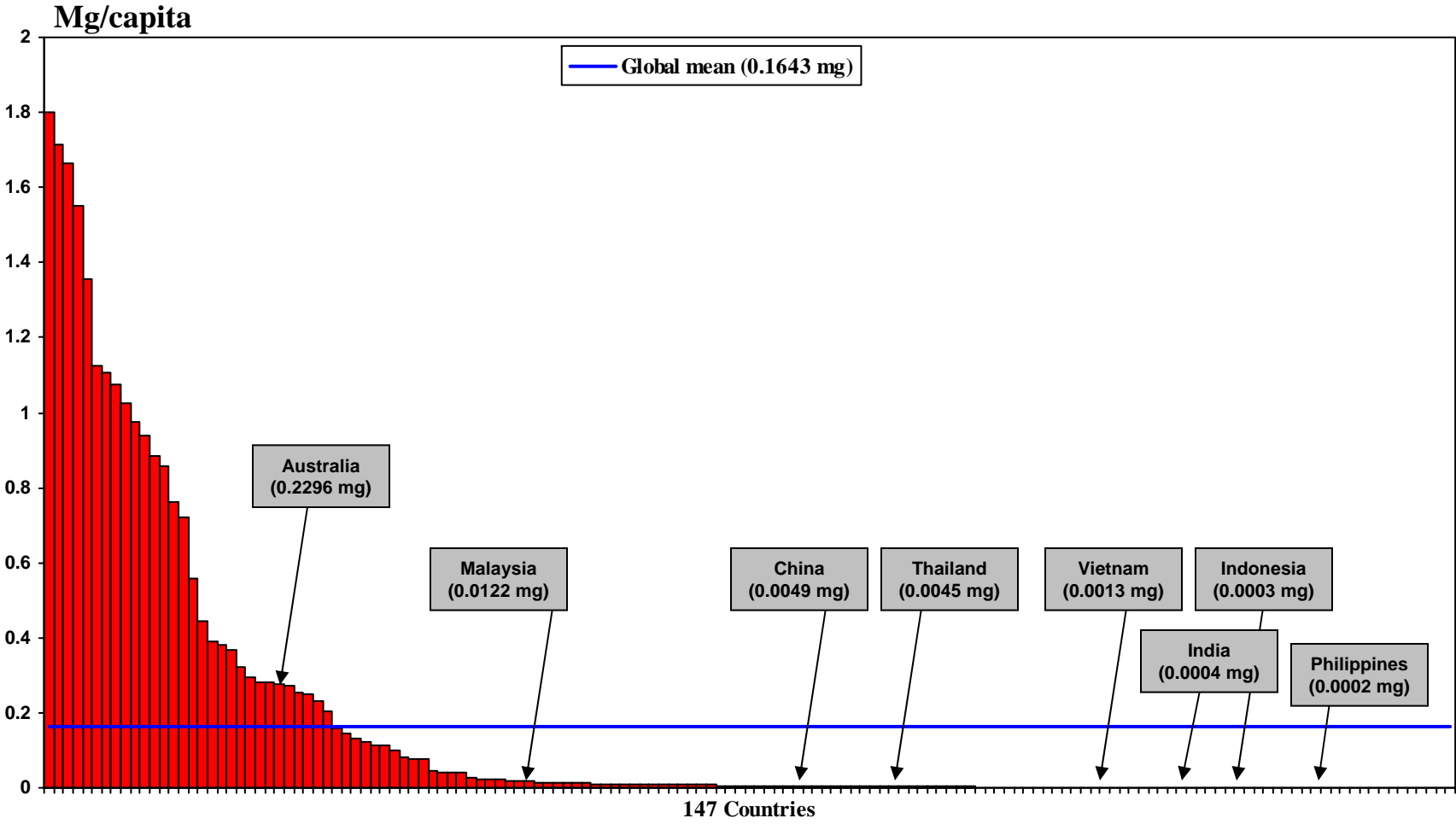


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2005 Global Consumption of Fentanyl



Sources: International Narcotics Control Board; United Nations population data; CIA World Factbook
By: Pain & Policy Studies Group, University of Wisconsin/WHO Collaborating Center, 2007

Global Fentanyl Consumption, 2005: (mg/capita)

Note: Countries not listed did not report fentanyl consumption to the INCB for 2005

1	United States of America	1.7983	50	Saudi Arabia	0.0186	99	South Africa	0.0020
2	Germany	1.7156	51	Qatar	0.0159	100	Dominican Republic	0.0019
3	Belgium	1.6623	52	Bahrain	0.0157	101	Bahamas	0.0019
4	Denmark	1.5528	53	Brazil	0.0157	102	Suriname	0.0018
5	Finland	1.3571	54	Libyan Arab Jamahiriya	0.0125	103	St Vincent & the Grenadines	0.0018
6	Spain	1.1268	55	Malaysia	0.0122	104	Marshall Islands	0.0017
7	Austria	1.1050	56	Panama	0.0120	105	Senegal	0.0014
8	Netherlands	1.0766	57	Russian Federation	0.0114	106	Viet Nam	0.0013
9	Canada	1.0243	58	Ukraine	0.0113	107	Turkmenistan	0.0012
10	Switzerland	0.9758	59	Cuba	0.0107	108	Vanuatu	0.0011
11	Norway	0.9398	60	Argentina	0.0106	109	Gabon	0.0008
12	Sweden	0.8836	61	Tunisia	0.0101	110	Jamaica	0.0008
13	Luxembourg	0.8561	62	Albania	0.0092	111	Samoa	0.0007
14	Iceland	0.7633	63	United Arab Emirates	0.0091	112	Tonga	0.0006
15	France	0.7226	64	Hong Kong SAR	0.0087	113	Grenada	0.0005
16	United Kingdom	0.5591	65	Costa Rica	0.0083	114	Sri Lanka	0.0004
17	Slovenia	0.4447	66	Barbados	0.0076	115	India	0.0004
18	Ireland	0.3893	67	Kuwait	0.0075	116	Uzbekistan	0.0004
19	Hungary	0.3810	68	Mexico	0.0073	117	Micronesia (Fed. States of)	0.0004
20	New Caledonia	0.3688	69	Macedonia	0.0071	118	Mozambique	0.0004
21	Croatia	0.3213	70	Ecuador	0.0069	119	Indonesia	0.0003
22	Israel	0.2933	71	Republic of Moldova	0.0064	120	Kiribati	0.0003
23	Greece	0.2830	72	El Salvador	0.0061	121	Tajikistan	0.0003
24	Czech Republic	0.2820	73	Algeria	0.0060	122	Benin	0.0003
25	Italy	0.2755	74	Oman	0.0060	123	Côte d'Ivoire	0.0003
26	Portugal	0.2729	75	Paraguay	0.0058	124	Chad	0.0002
27	Wallis & Futuna Islands	0.2534	76	Turks and Caicos Islands	0.0051	125	Burkina Faso	0.0002
28	Poland	0.2487	77	Brunei Darussalam	0.0050	126	Dominica	0.0002
29	Australia	0.2296	78	China	0.0049	127	Lesotho	0.0002
30	Gibraltar	0.2021	79	Saint Helena	0.0047	128	Philippines	0.0002
31	Andorra	0.1572	80	Iran (Islamic Republic of)	0.0047	129	Nauru	0.0002
32	Estonia	0.1466	81	Belarus	0.0047	130	Yemen	0.0001
33	Lithuania	0.1332	82	Anguilla	0.0046	131	Mongolia	0.0001
34	Slovakia	0.1235	83	Nicaragua	0.0045	132	Swaziland	0.0001
35	Latvia	0.1154	84	Thailand	0.0045	133	Pakistan	0.0001
36	Japan	0.1148	85	Macao	0.0044	134	Ghana	0.0001
37	Netherlands Antilles	0.1008	86	Georgia	0.0043	135	Madagascar	0.00002
38	New Zealand	0.0814	87	Colombia	0.0042	136	Dem. Rep. of the Congo	0.00002
39	Cyprus	0.0791	88	Syrian Arab Republic	0.0042	137	Rwanda	0.00002
40	Republic of Korea	0.0785	89	Peru	0.0041	138	Burundi	0.00002
41	Bulgaria	0.0450	90	Egypt	0.0040	139	Kenya	0.00002
42	Jordan	0.0428	91	Mauritius	0.0036	140	Botswana	0.00001
43	Turkey	0.0423	92	Morocco	0.0036	141	Saint Lucia	0.00001
44	Malta	0.0403	93	Bosnia and Herzegovina	0.0034	142	Niger	0.00001
45	Lebanon	0.0275	94	Kyrgyzstan	0.0031	143	Dem. Peop. Rep. of Korea	0.00001
46	Chile	0.0234	95	Haiti	0.0031	144	Sudan	0.00001
47	Venezuela	0.0218	96	Cape Verde	0.0030	145	Guinea	0.000004
48	Singapore	0.0217	97	Namibia	0.0028	146	Nepal	0.000001
49	Uruguay	0.0186	98	Congo	0.0021	147	Togo	0.0000002

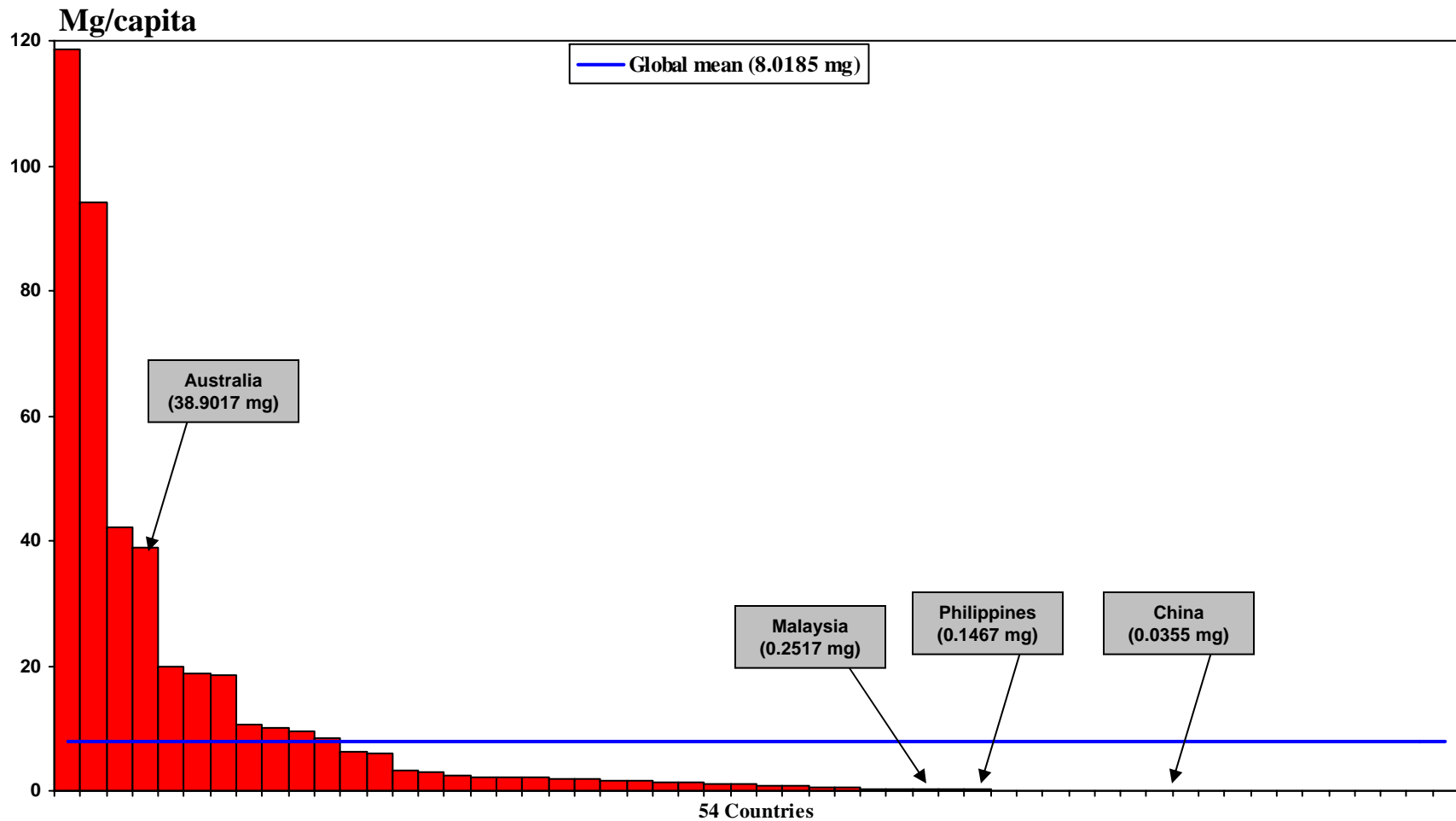


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2005 Global Consumption of Oxycodone



Sources: International Narcotics Control Board; United Nations population data; CIA World Factbook
By: Pain & Policy Studies Group, University of Wisconsin/WHO Collaborating Center, 2007

Global Oxycodone Consumption, 2005: (mg/capita)

Note: Countries not listed did not report oxycodone consumption to the INCB for 2005

1	United States of America	118.6212	28	Italy	0.8686
2	Canada	94.2073	29	Venezuela	0.7873
3	Denmark	42.0709	30	Bulgaria	0.5158
4	Australia	38.9017	31	Argentina	0.4898
5	Finland	19.9542	32	Colombia	0.2702
6	Germany	18.8037	33	Malaysia	0.2517
7	Sweden	18.3776	34	El Salvador	0.1834
8	Israel	10.4821	35	Philippines	0.1467
9	Ireland	9.9700	36	Peru	0.1394
10	Norway	9.4376	37	Dominican Republic	0.1107
11	United Kingdom	8.4254	38	Netherlands Antilles	0.1038
12	Switzerland	6.3869	39	Saudi Arabia	0.0738
13	Netherlands	6.0957	40	Brazil	0.0596
14	Austria	3.3001	41	Ecuador	0.0498
15	Slovenia	3.0365	42	Chile	0.0433
16	Bahamas	2.4967	43	China	0.0355
17	Turks and Caicos Islands	2.2593	44	New Caledonia	0.0348
18	Czech Republic	2.2463	45	Belgium	0.0338
19	Iceland	2.2200	46	Hungary	0.0314
20	Republic of Korea	1.8704	47	Mexico	0.0213
21	Gibraltar	1.7931	48	Latvia	0.0213
22	Slovakia	1.6465	49	Singapore	0.0193
23	France	1.5765	50	Cyprus	0.0100
24	Estonia	1.2754	51	Egypt	0.0089
25	Japan	1.2585	52	Hong Kong SAR	0.0027
26	New Zealand	1.0180	53	Luxembourg	0.0020
27	Spain	0.9537	54	Bahrain	0.0014

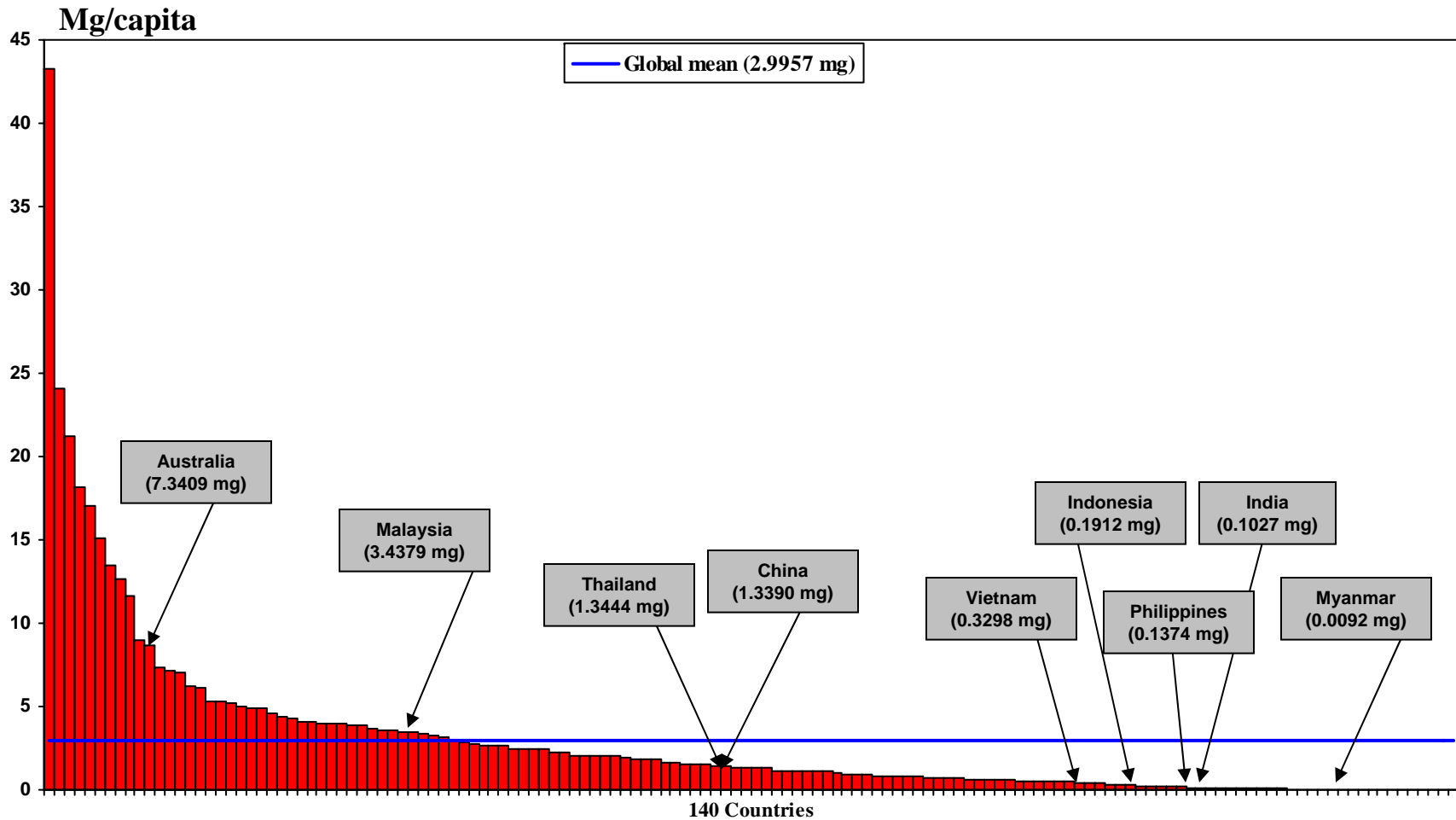


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2005 Global Consumption of Pethidine



Sources: International Narcotics Control Board; United Nations population data; CIA World Factbook
By: Pain & Policy Studies Group, University of Wisconsin/WHO Collaborating Center, 2007

Global Pethidine Consumption, 2005: (mg/capita)

Note: Countries not listed did not report pethidine consumption to the INCB for 2005

1	Barbados	43.2533	48	Macao	2.4201	95	Kiribati	0.5820
2	Canada	24.0391	49	Lithuania	2.4153	96	Bangladesh	0.5747
3	Slovakia	21.2507	50	Turkey	2.3988	97	Guyana	0.5475
4	U.S. of America	18.1841	51	Uruguay	2.2518	98	Peru	0.5249
5	Bahamas	17.0100	52	Singapore	2.2472	99	Sweden	0.5200
6	New Zealand	15.1265	53	Iran (Islamic Republic of)	2.0707	100	Italy	0.5040
7	Denmark	13.4611	54	Latvia	2.0600	101	Argentina	0.5021
8	Cook Islands	12.7000	55	El Salvador	2.0437	102	Tunisia	0.4633
9	Switzerland	11.6621	56	Spain	2.0423	103	Cape Verde	0.4260
10	St Vincent & Grenadines	8.9700	57	United Arab Emirates	2.0058	104	Japan	0.3712
11	Mauritius	8.6317	58	Germany	1.9269	105	Vanuatu	0.3600
12	Australia	7.3409	59	Saudi Arabia	1.8722	106	Viet Nam	0.3298
13	Jamaica	7.1031	60	Saint Lucia	1.8250	107	Egypt	0.2996
14	Czech Republic	7.0180	61	Marshall Islands	1.8114	108	Uganda	0.2832
15	Turks & Caicos Islands	6.1852	62	Syrian Arab Republic	1.6637	109	Eritrea	0.2240
16	Bahrain	6.0843	63	Iceland	1.6267	110	Sudan	0.2213
17	Montserrat	5.3527	64	Netherlands	1.5773	111	Indonesia	0.1912
18	United Kingdom	5.3079	65	Portugal	1.5012	112	Nepal	0.1817
19	Republic of Palau	5.1716	66	Andorra	1.4800	113	Anguilla	0.1538
20	Malta	5.0000	67	Micronesia (Fed. States of)	1.4338	114	Rwanda	0.1437
21	Norway	4.8852	68	Bulgaria	1.4276	115	Philippines	0.1374
22	Cyprus	4.8613	69	Thailand	1.3444	116	India	0.1027
23	Ghana	4.6083	70	China	1.3390	117	Sierra Leone	0.1026
24	Grenada	4.4300	71	Chile	1.3184	118	France	0.1024
25	Jordan	4.2421	72	Swaziland	1.2840	119	Yemen	0.1019
26	Israel	4.1303	73	United Republic of Tanzania	1.1554	120	Togo	0.1000
27	Republic of Korea	4.1131	74	Oman	1.1204	121	Pakistan	0.0843
28	Poland	4.0176	75	Kenya	1.1198	122	Ethiopia	0.0645
29	Kuwait	4.0031	76	Sri Lanka	1.1085	123	Burundi	0.0514
30	Estonia	3.9708	77	Austria	1.1074	124	Benin	0.0507
31	Qatar	3.9188	78	Albania	1.1052	125	Venezuela	0.0375
32	Libyan Arab Jamahiriya	3.8596	79	Namibia	1.0530	126	Congo	0.0359
33	Ireland	3.6659	80	Hungary	0.9568	127	Haiti	0.0311
34	Gibraltar	3.6207	81	Brunei Darussalam	0.9200	128	Lao Peop. Dem. Rep.	0.0300
35	Belgium	3.5460	82	Cuba	0.9007	129	Gabon	0.0193
36	South Africa	3.4874	83	Panama	0.8225	130	Sao Tome and Principe	0.0100
37	Malaysia	3.4379	84	Suriname	0.8150	131	Myanmar	0.0092
38	Botswana	3.3672	85	Luxembourg	0.7940	132	Djibouti	0.0075
39	Dominica	3.2800	86	Colombia	0.7877	133	Dem. Rep. of the Congo	0.0034
40	Hong Kong SAR	3.1499	87	Slovenia	0.7680	134	Chad	0.0032
41	Nauru	2.9123	88	Croatia	0.7278	135	Guinea	0.0013
42	Brazil	2.8422	89	Finland	0.7121	136	Côte d'Ivoire	0.0012
43	Lebanon	2.7286	90	Netherlands Antilles	0.7104	137	Niger	0.0007
44	Saint Helena	2.6810	91	Romania	0.6677	138	Mozambique	0.0005
45	Samoa	2.6600	92	Lesotho	0.6617	139	Paraguay	0.0005
46	Tonga	2.6100	93	Zambia	0.6004	140	Dominican Republic	0.0003
47	Greece	2.4209	94	Costa Rica	0.5960			

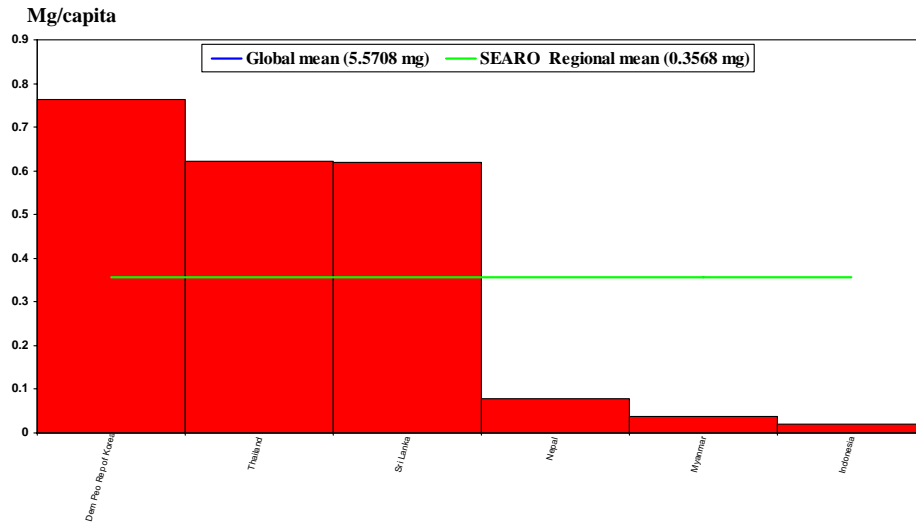


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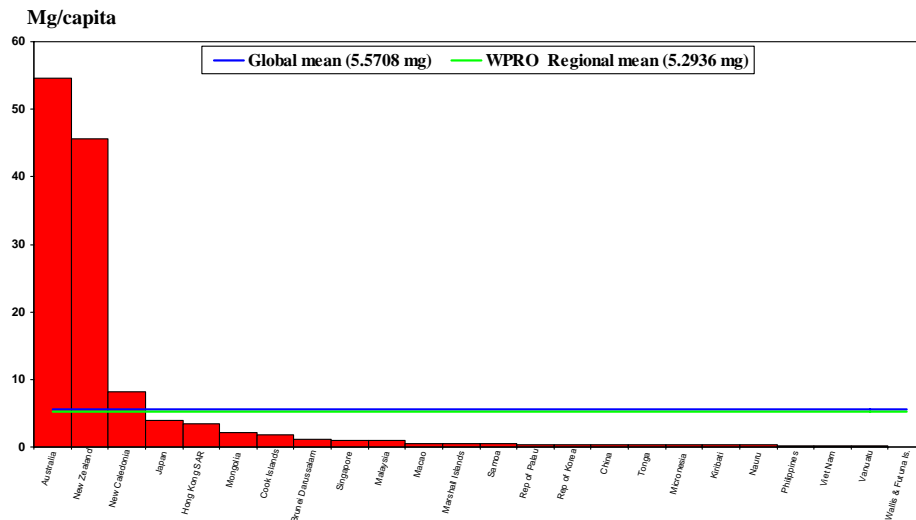
SEARO Consumption of Morphine, 2005



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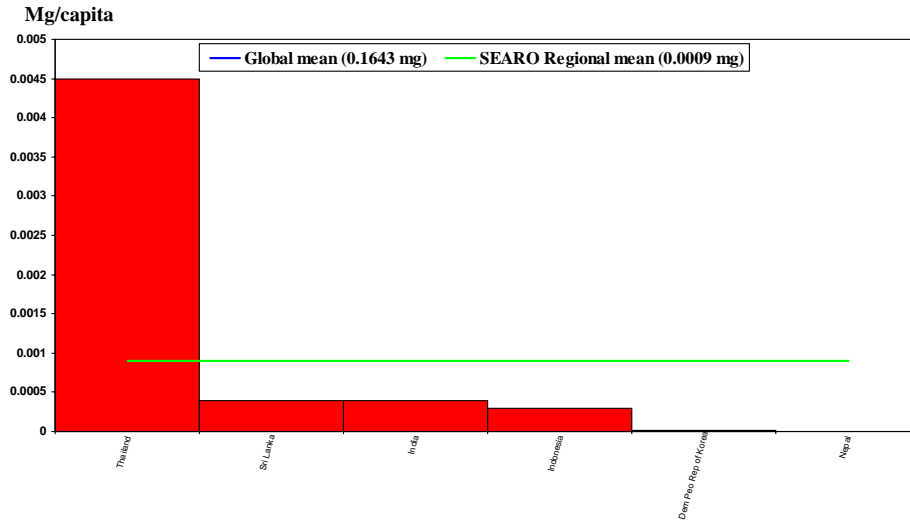
NOTE DIFFERENCES IN SCALE

WPRO Consumption of Morphine, 2005



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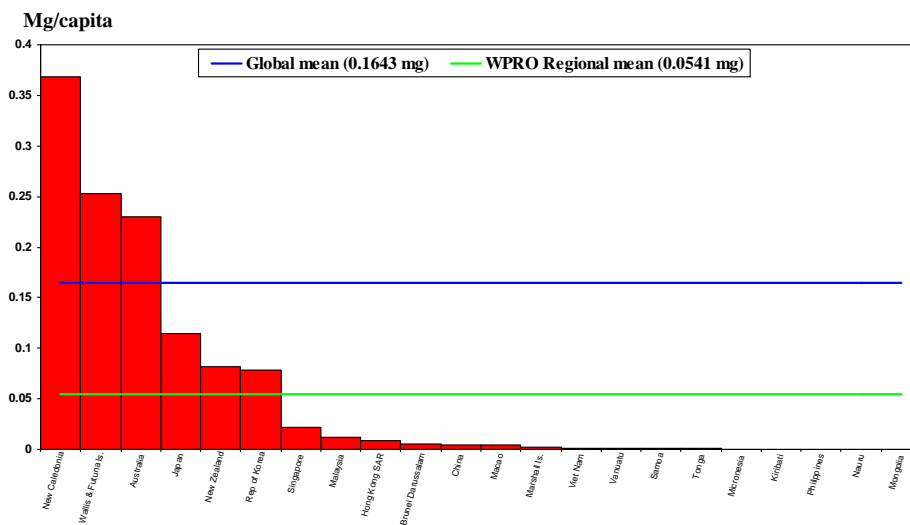
SEARO Consumption of Fentanyl, 2005



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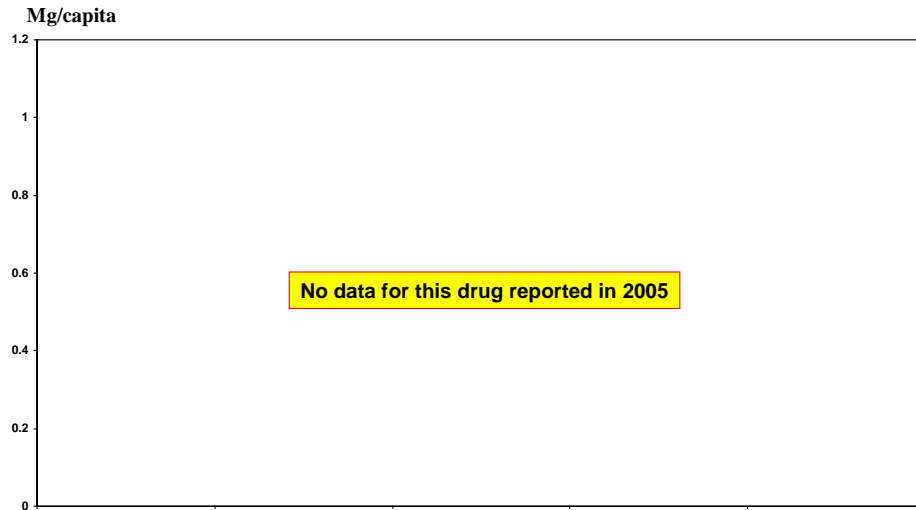
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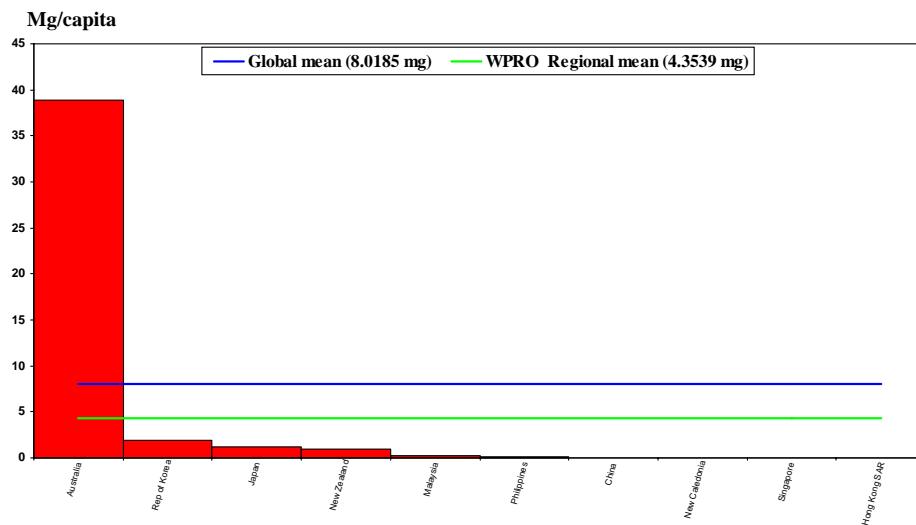
SEARO Consumption of Oxycodone, 2005



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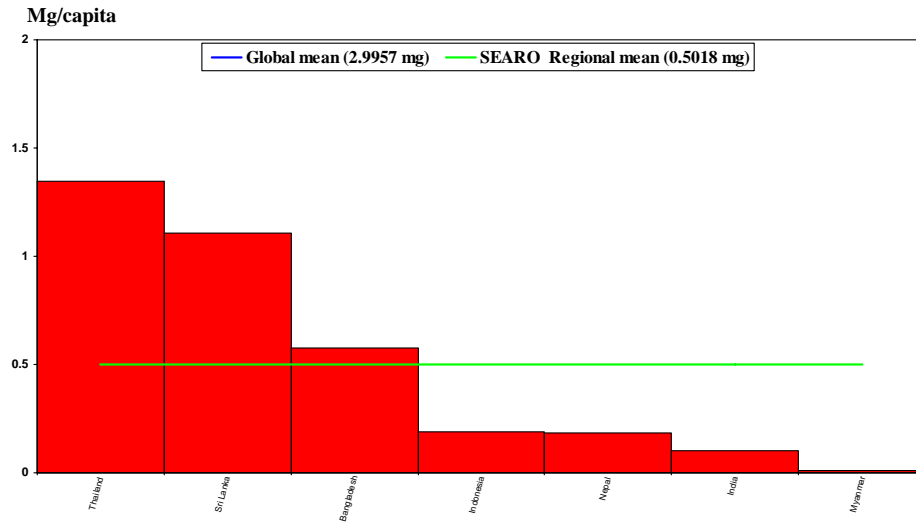
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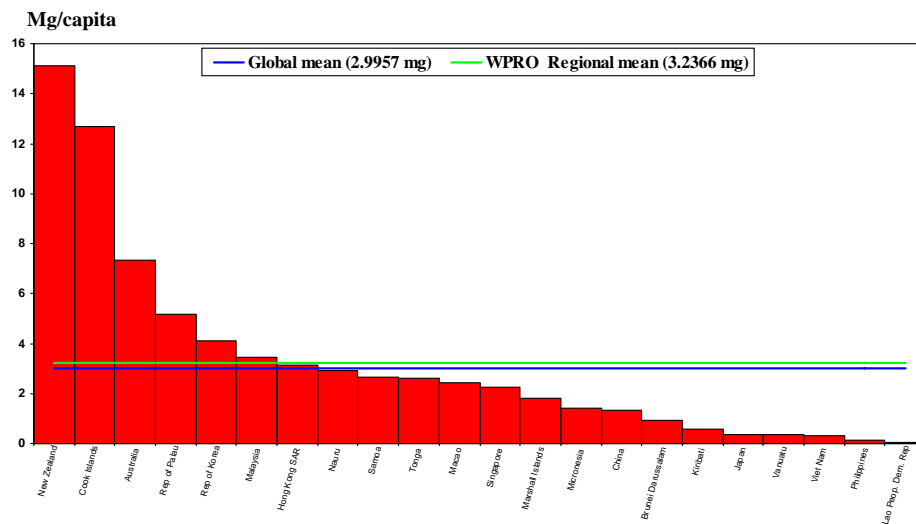
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