

Appendix A: Peer reviewed literature search strategies

Four peer reviewed literature databases were searched in this exercise: Medline, EMBASE, PubMed and Biomed Central.

Listed below are the different literature and search strategies and terminologies used for each of the different databases. Because different databases use different terminologies and require searching in different ways it was necessary to develop search strategies for each database.

These searches were developed in close consultation with a specialist drug and alcohol archivist and with a generalist university librarian with expertise across all the databases searched.

A.1 Medline Search Strategy

A.1.1 Medline search terms

'key-words' in regular type, 'MESH' (Medical subject heading) terms in **bold**

Search 1. Injecting Drug Use

IDU OR IDUs OR "injecting drug" OR "intravenous drug" OR "intravenous substance" OR "injecting substance" OR **exp substance abuse, intravenous/**

Search 2. Drugs and drug use

heroin OR cocaine OR amphetamine\$ OR methamphetamine\$ OR opioid\$ OR opium OR opiate OR drug abuse OR drug use\$ OR drug misuse OR drug dependenc\$ OR substance abuse OR substance use\$ OR substance misuse OR substance dependenc\$ OR addict\$.mp. [mp=title, original title, abstract, name of substance word, subject heading word]OR **exp designer drugs/ or exp street drugs/ or exp Cocaine/ or exp crack cocaine/ or exp amphetamines/ or exp amphetamine/ or exp methamphetamine/ or exp Opium/ or exp Heroin/ or exp substance-related disorders/ or exp amphetamine-related disorders/ or exp cocaine-related disorders/ or exp opioid-related disorders/ or exp heroin dependence/ or exp morphine dependence/ or exp psychoses, substance-induced/**

Search 3. HIV/AIDS

(HIV or AIDS).mp. or HIV/aids or "Human Immunodeficiency Virus".mp. or "Human Immune Deficiency Virus".mp. or "Acquired Immunodeficiency Syndrome".mp. or "Acquired Immune Deficiency Syndrome".mp. [mp=title, original title, abstract, name of substance word, subject heading word] or **exp HIV/ or exp HIV-1/ or exp HIV-2/ or exp HIV infections/ or exp acquired immunodeficiency syndrome/ or HIV seropositivity/ or exp HIV seroprevalence/ or exp AIDS serodiagnosis/**

Search 4. Epidemiology

"prevalence" OR "incidence" OR "epidemiolog\$" OR "data collection" Or "Survey" OR "surveillance" OR "screening" OR "seroprevalence" OR "cohort" OR "population study" OR "population sample" OR "population survey" OR "population surveillance" OR "community sample" OR "RAR" OR "rapid assessment" OR "situation\$ assessment" OR "statistics" or exp **epidemiologic methods/ or exp contact tracing/ or exp data collection/ or exp health surveys/ or exp health care surveys/ or exp interviews^{1/} or exp narration/ or exp questionnaires/ or exp records^{2/} or exp registries/ or exp disease notification/ or exp sentinel surveillance/ or exp epidemiologic studies/ or exp cohort studies/ or exp longitudinal studies/ or exp follow-up studies/ or exp prospective studies/ or exp cross-sectional studies/ or exp seroepidemiologic studies/ or exp hiv seroprevalence/ or exp sampling studies/ or exp focus groups/ or exp delphi technique/**

Search 5. South East Asia

(south east asia or borneo or brunei darussalam or cambodia or east timor or indonesia or laos or mekong valley or myanmar or philippines or singapore or thailand or vietnam).mp. [mp=title, original title, abstract, name of substance word, subject heading word] or exp **asia, southeastern/ or exp borneo/ or exp brunei/ or exp cambodia/ or exp east timor/ or exp indonesia/ or exp laos/ or exp malaysia/ or exp mekong valley/ or exp myanmar/ or exp philippines/ or exp singapore/ or exp thailand/ or exp vietnam/**

Search 6. Middle East

(middle east or afghanistan or bahrain or iran or iraq or israel or jordan or kuwait or lebanon or oman or qatar or saudi arabia or syria or turkey or united arab emirates or yemen).mp. [mp=title, original title, abstract, name of substance word, subject heading word] or exp **middle east/ or exp afghanistan/ or exp bahrain/ or exp iran/ or exp iraq/ or exp israel/ or exp jordan/ or exp kuwait/ or exp lebanon/ or exp oman/ or exp qatar/ or exp saudi arabia/ or exp syria/ or exp turkey/ or exp united arab emirates/ or exp yemen/**

Search 7. Eastern Europe

(eastern europe or albania or estonia or latvia or lithuania or bosnia or herzegovina or bulgaria or belarus or byelarus or croatia or czech republic or hungary or macedonia or montenegro or serbia or moldova or poland or romania or russia or russian or slovakia or slovenia or ukraine or yugoslavia).mp. [mp=title, original title, abstract, name of substance word, subject heading word] or exp **europe, eastern/ or exp albania/ or exp baltic states/ or exp estonia/ or exp latvia/ or exp lithuania/ or exp bosnia-herzegovina/ or exp bulgaria/ or exp byelarus/ or exp croatia/ or exp czech republic/ or exp hungary/ or exp "macedonia (republic)"/ or exp moldova/ or exp poland/ or exp romania/ or exp russia/ or exp bashkiria/ or exp dagestan/ or exp moscow/ or exp siberia/ or exp slovakia/ or exp slovenia/ or exp ukraine/ or exp yugoslavia/**

Search 8. Central Asia

(central asia or kazakhstan or kyrgyzstan or tajikistan or turkmenistan or uzbekistan).mp. [mp=title, original title, abstract, name of substance word, subject heading word] or exp **asia, central/ or exp kazakhstan/ or exp kyrgyzstan/ or exp tajikistan/ or exp turkmenistan/ or exp uzbekistan/**

¹ Note: Medline has recently expanded the MESH term for *interviews*. *Interview, psychological* is now the recommended MESH term.

² Note: Medline has recently expanded the MESH term for *records*. *Medical records* is now the recommended MESH term.

Search 9. Oceania

(oceania or australia or "new zealand" or "pacific islands" or melanesia or fiji or "new Caledonia" or "papua new guinea" or vanuatu or Micronesia or guam or palau or polynesia or hawaii or pitcairn island or samoa or tonga).mp. [mp=title, original title, abstract] or **exp oceania/ or exp australasia/ or exp australia/ or exp pacific islands/ or exp melanesia/ or exp fiji/ or exp new caledonia/ or exp papua new guinea/ or exp vanuatu/ or exp micronesia/ or exp guam/ or exp palau/ or exp new zealand/ or exp polynesia/ or exp hawaii/ or exp pitcairn island/ or exp samoa/ or exp tonga/**

Search 10. East Asia

(far east or east asia or china or japan or north korea or south korea or mongolia or taiwan).mp. [mp=title, original title, abstract] or **exp far east/ or exp china/ or exp hong kong/ or exp tibet/ or exp japan/ or exp tokyo/ or exp korea/ or exp macao/ or exp mongolia/ or exp taiwan/**

Search 11. Europe

(europe or andorra or austria or belgium or finland or france or germany or gibraltar or great britain or united kingdom or channel islands or england or hebrides or northern ireland or scotland or wales or greece or iceland or ireland or italy or sicily or liechtenstein or luxembourg or monaco or netherlands or portugal or san marino or spain or switzerland or vatican city).mp. [mp=title, original title, abstract] or **exp europe/ or exp andorra/ or exp austria/ or exp belgium/ or exp finland/ or exp france/ or exp paris/ or exp germany/ or exp berlin/ or exp germany, east/ or exp germany, west/ or exp gibraltar/ or exp great britain/ or exp channel islands/ or exp england/ or exp london/ or exp hebrides/ or exp northern ireland/ or exp scotland/ or exp wales/ or exp greece/ or exp iceland/ or exp ireland/ or exp italy/ or exp rome/ or exp sicily/ or exp liechtenstein/ or exp luxembourg/ or exp mediterranean region/ or exp mediterranean islands/ or exp cyprus/ or exp malta/ or exp monaco/ or exp netherlands/ or exp portugal/ or exp san marino/ or exp spain/ or exp switzerland/ or exp transcaucasia/ or exp vatican city/**

Search 12. Transcaucasia

(transcaucasia or armenia or azerbaijan or georgia republic).mp. [mp=title, original title, abstract, name of substance word, subject heading word] or **exp transcaucasia/ or exp armenia/ or exp azerbaijan/ or exp "georgia (republic)"/**

Search 13. Sub-Saharan Africa

(sub-saharan africa, or sub sahar\$ africa or central or cameroon or central african republic or chad or congo or " democratic republic of the congo" or equatorial guinea or gabon or eastern africa or burundi or djibouti or eritrea or ethiopia or kenya or rwanda or somalia or sudan or tanzania or uganda or south\$ africa or angola or botswana or lesotho or malawi or mozambique or namibia or south africa or swaziland or zambia or zimbabwe or africa, western or benin or burkina faso or cote d'ivoire or gambia or ghana or guinea or guinea-bissau or liberia or mali or mauritania or niger or nigeria or senegal or sierra leone or togo or tuvalu or uganda or zambia or Zimbabwe).mp. [mp=title, original title, abstract, name of substance word, subject heading word] or **exp "africa south of the sahara"/ or exp africa, central/ or exp cameroon/ or exp central african republic/ or exp chad/ or exp congo/ or exp "democratic republic of the congo"/ or exp equatorial guinea/ or exp gabon/ or exp africa, eastern/ or exp burundi/ or exp djibouti/ or exp eritrea/ or exp ethiopia/ or exp kenya/ or exp rwanda/ or exp somalia/ or exp sudan/ or exp tanzania/ or exp uganda/ or exp africa, southern/ or exp angola/ or exp botswana/ or exp lesotho/ or exp malawi/ or exp mozambique/ or exp namibia/ or exp south africa/ or exp swaziland/ or exp zambia/ or exp zimbabwe/ or exp africa, western/ or exp benin/ or exp burkina faso/ or exp cote d'ivoire/ or exp gambia/ or exp ghana/ or exp guinea/ or exp guinea-bissau/ or exp liberia/ or exp mali/ or exp mauritania/ or exp niger/ or exp nigeria/ or exp senegal/ or exp sierra leone/ or exp togo/ or exp tuvalu/ or exp uganda/ or exp zambia/ or exp zimbabwe/**

Search 14. Western Asia

("western asia" OR bangladesh OR bhutan OR india OR nepal OR pakistan OR "sri lanka").mp. [mp=title, original title, abstract, name of substance word, subject heading word] or **exp asia, western/ or exp bangladesh/ or exp bhutan/ or exp india/ or exp sikkim/ or exp nepal/ or exp pakistan/ or exp sri lanka/**

Search 15. Scandinavia

(scandinavia OR denmark OR norway OR sweden).mp. [mp=title, original title, abstract, name of substance word, subject heading word] or **exp scandinavia/ or exp denmark/ or exp norway/ or exp svalbard/ or exp sweden/**

Search 16. Mediterranean

(mediterranean OR cyprus OR malta OR sicily).mp. [mp=title, original title, abstract, name of substance word, subject heading word] or **exp mediterranean region/ or exp mediterranean islands/ or exp cyprus/ or exp malta/ or exp sicily/**

Search 17. Caribbean

(caribbean OR antigua OR barbuda OR bahamas OR barbados OR cuba OR "dominican republic" OR grenada OR guadeloupe OR haiti OR jamaica OR martinique OR "netherlands antilles" OR "puerto rico" OR "saint kitts" OR nevis OR "saint lucia" OR "saint vincent" OR "the grenadines" OR "saint vincent and the grenadines" OR trinidad OR tobago OR "virgin islands").mp. [mp=title, original title, abstract, name of substance word, subject heading word] or **exp caribbean region/ or exp west indies/ or exp antigua/ or exp bahamas/ or exp barbados/ or exp cuba/ or exp dominica/ or exp dominican republic/ or exp grenada/ or exp guadeloupe/ or exp haiti/ or exp jamaica/ or exp martinique/ or exp netherlands antilles/ or exp puerto rico/ or exp "saint kitts and nevis"/ or exp saint lucia/ or exp "saint vincent and the grenadines"/ or exp "trinidad and tobago"/ or exp "virgin islands of the united states"/**

Search 18. South America

("south america" OR argentina OR bolivia OR brazil OR chile OR columbia OR

ecuador OR "french guiana" OR guyana OR paraguay OR peru OR suriname OR uruguay OR venezuela).mp. [mp=title, original title, abstract, name of substance word, subject heading word] or **exp south america/ or exp argentina/ or exp bolivia/ or exp brazil/ or exp chile/ or exp colombia/ or exp ecuador/ or exp french guiana/ or exp guyana/ or exp paraguay/ or exp peru/ or exp suriname/ or exp uruguay/ or exp venezuela/**

Search 19. Central America

("central america" OR bellize OR "costa rica" OR ecuador OR "el salvador" OR guatemala OR honduras OR nicaragua OR panama).mp. [mp=title, original title, abstract] or **exp central america/ or exp belize/ or exp costa rica/ or exp el salvador/ or exp guatemala/ or exp honduras/ or exp nicaragua/ or exp panama/ or exp panama canal zone/**

Search 20. North America

("north america" OR canada OR greenland OR mexico OR "united states").mp. [mp=title, original title, abstract, name of substance word, subject heading word] or **exp north america/ or exp canada/ or exp alberta/ or exp british columbia/ or exp manitoba/ or exp new brunswick/ or exp newfoundland/ or exp northwest territories/ or exp nova scotia/ or exp nunavut/ or exp ontario/ or exp prince edward island/ or exp quebec/ or exp saskatchewan/ or exp yukon territory/ or exp greenland/ or exp mexico/ or exp united states/ or exp appalachian region/ or exp alabama/ or exp georgia/ or exp kentucky/ or exp maryland/ or exp new york/ or exp north carolina/ or exp ohio/ or exp pennsylvania/ or exp south carolina/ or exp tennessee/ or exp virginia/ or exp west virginia/ or exp great lakes region/ or exp illinois/ or exp chicago/ or exp indiana/ or exp michigan/ or exp minnesota/ or exp new york city/ or exp wisconsin/ or exp mid-atlantic region/ or exp delaware/ or exp "district of columbia"/ or exp baltimore/ or exp new jersey/ or exp philadelphia/ or exp midwestern united states/ or exp iowa/ or exp kansas/ or exp missouri/ or exp nebraska/ or exp north dakota/ or exp oklahoma/ or exp south dakota/ or exp new england/ or exp connecticut/ or exp maine/ or exp massachusetts/ or exp boston/ or exp new hampshire/ or exp rhode island/ or exp vermont/ or exp northwestern united states/ or exp idaho/ or exp montana/ or exp oregon/ or exp washington/ or exp wyoming/ or exp pacific states/ or exp alaska/ or exp california/ or exp los angeles/ or exp san francisco/ or exp hawaii/ or exp southeastern united states/ or exp arkansas/ or exp florida/ or exp louisiana/ or exp mississippi/ or exp southwestern united states/ or exp arizona/ or exp colorado/ or exp nevada/ or exp new mexico/ or exp texas/ or exp utah/ or exp south america/**

Search 21. Northern Africa

("northern africa" or "north africa" or algeria or egypt or libya or morocco or tunisia).mp. [mp=title, original title, abstract, name of substance word, subject heading word] or **exp africa, northern/ or exp algeria/ or exp egypt/ or exp libya/ or exp morocco/ or exp tunisia/**

Search 22. Atlantic Islands

("atlantic islands" OR azores OR bermuda OR "falkland islands").mp. [mp=title, original title, abstract, name of substance word, subject heading word] or **exp atlantic islands/ or exp azores/ or exp bermuda/ or exp falkland islands/**

Search 23. Pacific Islands

("pacific islands" OR fiji OR "french polynesia" OR guam OR hawaii OR kiribati OR "marshall islands" OR micronesia OR "federated states or micronesia" OR nauru OR "new calidonia" OR palau OR "papua new guinea" OR samoa OR "solomon islands" OR tonga OR vanuatu).mp. [mp=title, original title, abstract] or **exp pacific islands/ or**

exp melanesia/ or exp fiji/ or exp new caledonia/ or exp papua new guinea/ or exp vanuatu/ or exp micronesia/ or exp guam/ or exp palau/ or exp polynesia/ or exp hawaii/ or exp pitcairn island/ or exp samoa/ or exp american samoa/ or exp "independent state of samoa"/ or exp tonga/

Search 24. Indian Ocean Islands

("indian ocean islands" OR comoros OR madagascar OR maldives OR mauritius OR reunion OR seychelles).mp. [mp=title, original title, abstract] or **exp indian ocean islands/ or exp comoros/ or exp madagascar/ or exp mauritius/ or exp reunion/ or exp seychelles/**

A.1.2 Medline search strategies:

Injecting drug use epidemiology

Combine (Search 1. Injecting Drug Use) AND (Search [Region: searches 5-24]) individually for each region

- If search result greater than 1000 references → limit to 2002- 2007 only.
If still greater than 1000 references → limit by combining this search result AND (Search 4. Epidemiology)

OR

- If search result is less than 200 references → also perform the following:
Combine (Search 2) and (Search [Region])
- If this search result is greater than 1000 references → limit to 2002- 2007 only.
If still greater than 1000 references → limit by combining this search result AND (Search 4. Epidemiology)

HIV among IDU epidemiology

Combine (Search 3. HIV/AIDS) AND (Search [Region: searches 5-24]) individually for each region

- If search result greater than 1000 references → limit by combining this search result AND ((Search 1. Injecting drug use) OR (Search 2. Drugs and drug use))
If search result still greater than 1000 references → limit by combining this search result AND (Search 4. Epidemiology)
If search result still greater than 1000 references → limit to 2002- 2007 only

A.2 EMBASE Global Search Strategy

A.2.1 EMBASE search terms

'key words' in lowercase, Emtree terms in **bold**

Search 1. Injecting Drug Use

IDU OR IDUs OR "injecting drug" OR "intravenous drug" OR "intravenous substance"
OR "injecting substance"

exp intravenous drug abuse/

Search 2. Drug use

heroin OR cocaine OR amphetamine\$ OR methamphetamine\$ OR opioid\$ OR opium
OR opiate OR drug abuse OR drug use\$ OR drug misuse OR drug dependenc\$ OR
substance abuse OR substance use\$ OR substance misuse OR substance dependenc\$
OR addict\$

**exp substance abuse/ or exp drug abuse/ or exp analgesic agent abuse/ or exp drug
abuse pattern/ or exp drug misuse/ or exp drug traffic/ or exp multiple drug abuse/ or
exp addiction/ or exp drug dependence/ or exp cocaine dependence/ or narcotic
dependence/ or exp heroin dependence/ or exp morphine addiction/ or exp opiate
addiction/**

Search 3. HIV/AIDS

HIV OR AIDS OR HIV/AIDS OR "Human Immunodeficiency Virus" OR "Acquired
Immunodeficiency Syndrome" OR "Acquired Immune Deficiency Syndrome"

**exp human immunodeficiency virus/ or exp human immunodeficiency virus 1/ or exp
human immunodeficiency virus 2/ or exp acquired immune deficiency syndrome/ or
exp aids related complex/ or exp acquired immune deficiency syndrome/ or exp aids
related complex/ or exp Human Immunodeficiency Virus Infection/ or exp human
immunodeficiency virus prevalence/**

Search 4. Epidemiology

"prevalence" OR "incidence" OR "epidemiolog\$" OR "data collection" Or "Survey" OR
"surveillance" OR "screening" OR "seroprevalence" OR "cohort" OR "population
study" OR "population sample" OR "population survey" OR "population surveillance"
OR "community sample" OR "RAR" OR "rapid assessment" OR "situation\$ assessment"
OR "statistics"

**exp community assessment/ or exp health survey/ or exp infection rate/ or exp
mandatory reporting/ or exp seroepidemiology/ or human immunodeficiency virus
prevalence/ or seroprevalence/ or exp biostatistics/ or exp health statistics/ or exp
epidemiology/ or exp incidence/ or exp morbidity/ or exp mortality/ or exp prevalence/
or exp epidemiological data/ or exp comorbidity/ or exp disease registry/ or exp
geographic distribution/ or exp infection rate/ or exp seasonal variation/ or exp
survival/ or exp action research/ or exp feasibility study/ or exp field study/ or exp
observational study/ or exp panel study/ or exp pilot study/ or exp prevention study/ or
exp trend study/ or exp case finding/ or exp cohort analysis/ or exp exploratory
research/ or exp multimethod study/ or exp naturalistic inquiry/ or exp qualitative
research/ or exp quantitative study/ or exp sample size/ or exp secondary analysis/ or
exp technique/ or exp triangulation/ or exp "medical record review"/ or exp semi
structured interview/ or exp structured interview/ or exp unstructured interview/ or exp
observational method/ or exp questionnaire/ or exp open ended questionnaire/ or exp
structured questionnaire/ or exp model/**

Search 5. Africa

"africa" OR "sub-saharan africa" OR angola OR benin OR botswana OR " burkina faso"
OR burundi OR cameroon OR "cape verde" OR "central african republic" OR "chad"

OR comoros OR congo OR "republic of the congo" OR "cote d'Ivoire" OR "democratic republic of the congo" OR djibouti OR dominica OR "equatorial guinea" OR eritrea OR ethiopia OR gabon OR gambia OR ghana OR guinea OR "guinea-bissau" OR kenya OR lesotho OR liberia OR libya OR madagascar OR malawi OR mali OR mauritania OR mozambique OR namibia OR niger OR nigeria OR rrwanda OR "san tome and principe" OR senegal OR serbia OR "sierra leone" OR somalia OR "south africa" OR sudan OR swaziland OR tanzania OR togo OR tuvalu OR uganda OR zambia OR zimbabwe OR "northern africa" OR algeria OR egypt OR libya OR morocco OR Tunisia OR "western sahara"

exp africa/ or exp "africa south of the sahara"/ or exp angola/ or exp benin/ or exp botswana/ or exp burkina faso/ or exp burundi/ or exp cameroon/ or exp cape verde/ or exp central africa/ or exp central african republic/ or exp chad/ or exp comoros/ or exp congo/ or exp cote d'ivoire/ or exp democratic republic congo/ or exp djibouti/ or exp equatorial guinea/ or exp eritrea/ or exp ethiopia/ or exp gabon/ or exp gambia/ or exp ghana/ or exp guinea/ or exp guinea-bissau/ or exp kenya/ or exp lesotho/ or exp liberia/ or exp madagascar/ or exp malawi/ or exp mali/ or exp mayotte/ or exp mozambique/ or exp namibia/ or exp niger/ or exp nigeria/ or exp rrwanda/ or exp senegal/ or exp sierra leone/ or exp somalia/ or exp south africa/ or exp sudan/ or exp swaziland/ or exp tanzania/ or exp togo/ or exp uganda/ or exp zambia/ or exp zimbabwe/ or exp north africa/ or exp algeria/ or exp egypt/ or exp libyan arab jamahiriya/ or exp mauritania/ or exp morocco/ or exp tunisia/ or exp western sahara

Search 6. Asia

asia OR "far east" OR china OR japan OR "north korea" OR "south korea" OR mongolia OR taiwan "south east asia" OR borneo OR "brunei darussalam" OR cambodia OR "east timor" OR indonesia OR laos OR "mekong valley" OR myanmar OR philippines OR singapore OR thailand OR Vietnam OR "central asia" OR kazakhstan OR kyrgyzstan OR tajikistan OR turkmenistan OR uzbekistan OR "south asia" OR "afghanistan" or bangladesh OR bhutan OR india OR nepal OR pakistan OR "sri lanka" OR "middle east" OR bahrain OR iran OR iraq OR israel OR jordan OR kuwait OR lebanon OR oman OR qatar OR "saudi arabia" OR syria OR turkey OR "united arab emirates" OR yemen OR "south asia" OR "afghanistan" or bangladesh OR bhutan OR india OR nepal OR pakistan OR "sri lanka"

exp asia/ or exp kazakhstan/ or exp kyrgyzstan/ or exp tajikistan/ or exp turkmenistan/ or exp uzbekistan/ or exp far east/ or exp china/ or exp japan/ or exp macao/ or exp mongolia/ or exp philippines/ or exp taiwan/ or exp southeast asia/ or exp borneo/ or exp brunei darussalam/ or exp cambodia/ or exp hong kong/ or exp indonesia/ or exp laos/ or exp malaysia/ or exp myanmar/ or exp papua new guinea/ or exp singapore/ or exp thailand/ or exp timor-leste/ or exp viet nam/ or exp korea/ or exp north korea/ or exp south korea/ or exp middle east/ or exp bahrain/ or exp cyprus/ or exp dubai/ or exp iran/ or exp iraq/ or exp israel/ or exp jordan/ or exp kuwait/ or exp lebanon/ or exp oman/ or exp palestine/ or exp qatar/ or exp saudi arabia/ or exp syrian arab republic/ or exp "turkey (republic)"/ or exp united arab emirates/ or exp yemen/ or exp south asia/ or exp afghanistan/ or exp bangladesh/ or exp bhutan/ or exp india/ or exp nepal/ or exp pakistan/ or exp sikkim/ or exp sri lanka/

Search 7. Australia and New Zealand

australia OR "new zealand"

exp "australia and new zealand"/ or exp australia/ or exp new zealand/

Search 8. Eastern Europe

"eastern europe" OR albania OR armenia OR azerbaijan OR "georgia republic" OR estonia OR latvia OR lithuania OR bosnia OR herzegovina OR bulgaria OR belarus OR byelarus OR croatia OR "czech republic" OR hungary OR macedonia OR montenegro

OR moldova OR "poland" OR romania OR russia OR russian OR slovakia OR slovenia
OR ukraine OR yugoslavia

**exp eastern europe/ or exp albania/ or exp armenia/ or exp azerbaijan/ or exp belarus/
or exp "bosnia and herzegovina"/ or exp bulgaria/ or exp croatia/ or exp czech
republic/ or exp "georgia (republic)"/ or exp hungary/ or exp "macedonia (republic)"/ or
exp moldova/ or exp poland/ or exp romania/ or exp russian federation/ or exp
slovakia/ or exp slovenia/ or exp ukraine/ or exp yugoslavia/ or exp baltic states/ or exp
estonia/ or exp latvia/ or exp lithuania/**

Search 9. Western Europe

"western europe" OR andorra OR austria OR belgium OR finland OR france OR germany
OR gibralta OR "great britain" OR greece OR iceland OR ireland OR italy OR
liechtenstein OR luxembourg OR monaco OR netherlands OR portugal OR "san marino"
OR spain OR Switzerland OR "united kingdom" OR scandinavia OR denmark OR
norway OR sweden OR "vatican city" OR cyprus OR malta OR sicily

**exp western europe/ or exp austria/ or exp belgium/ or exp benelux/ or exp france/ or
exp ireland/ or exp liechtenstein/ or exp luxembourg/ or exp monaco/ or exp
netherlands/ or exp switzerland/ or exp united kingdom/ or exp germany/ or exp
german democratic republic/ or exp german federal republic/ or exp scandinavia/ or
exp denmark/ or exp faroe islands/ or exp finland/ or exp greenland/ or exp iceland/ or
exp norway/ or exp "svalbard and jan mayen"/ or exp sweden/ or exp southern europe/
or exp andorra/ or exp gibraltar/ or exp greece/ or exp italy/ or exp malta/ or exp
portugal/ or exp san marino/ or exp spain/ or exp vatican city state/**

Search 10. "Atlantic islands"

"atlantic islands" OR azores OR bermuda OR "falkland islands"

**exp atlantic ocean/ or exp atlantic islands/ or exp bermuda/ or exp bouvet island/ or
exp "falkland islands (malvinas)"/ or exp greenland/ or exp iceland/ or exp saint helena/
or exp "saint pierre and miquelon"/ or exp "sao tome and principe"/ or exp "south
georgia and the south sandwich islands"/**

Search 11. "Indian Ocean Islands"

"indian ocean islands" OR comoros OR madagasca OR maldives OR mauritius OR
reunion OR seychelles

**exp indian ocean/ or exp british indian ocean territory/ or exp christmas island/ or exp
"cocos (keeling) islands"/ or exp french southern territories/ or exp "heard island and
mcdonald islands"/ or exp maldives/ or exp mauritius/ or exp reunion/ or exp
seychelles/**

Search 12. Pacific Islands

"pacific islands" OR fiji OR "french polynesia" OR guam OR hawaii OR kiribati OR "marshall islands" OR micronesia OR "federated states of micronesia" OR nauru OR "new calidonia" OR palau OR "papua new guinea" OR samoa OR "solomon islands" OR tonga OR vanuatu

oceanic regions/ or exp pacific ocean/ or exp pacific islands/ or exp cook islands/ or exp "federated states of micronesia"/ or exp fiji/ or exp french polynesia/ or exp guam/ or exp indonesia/ or exp kiribati/ or exp marshall islands/ or exp melanesia/ or exp nauru/ or exp new caledonia/ or exp niue/ or exp norfolk island/ or exp northern mariana islands/ or exp palau/ or exp papua new guinea/ or exp philippines/ or exp pitcairn/ or exp polynesia/ or exp solomon islands/ or exp timor-leste/ or exp tokelau/ or exp tonga/ or exp tuvalu/ or exp united states minor outlying islands/ or exp vanuatu/ or exp "wallis and futuna"/ or exp samoan islands/ or exp american samoa/ or exp samoa/

Search 13. Caribbean Islands

caribbean OR antigua OR barbuda OR bahamas OR barbados OR cuba OR "dominican republic" OR grenada OR guadeloupe OR haiti OR jamaica OR martinique OR "netherland antilles" OR "puerto rico" OR "saint kitts" OR nevis OR "saint lucia" OR "saint vincent" OR "the grenadines" OR "saint vincent and the grenadines" OR trinidad OR tobago OR "virgin islands"

exp caribbean islands/ or exp "anguilla (country)"/ or exp "antigua and barbuda"/ or exp aruba/ or exp bahamas/ or exp barbados/ or exp cayman islands/ or exp cuba/ or exp dominica/ or exp dominican republic/ or exp grenada/ or exp guadeloupe/ or exp haiti/ or exp jamaica/ or exp martinique/ or exp montserrat/ or exp netherlands antilles/ or exp puerto rico/ or exp "saint kitts and nevis"/ or exp saint lucia/ or exp "saint vincent and the grenadines"/ or exp "trinidad and tobago"/ or exp "turks and caicos islands"/ or exp "virgin islands (british)"/ or exp "virgin islands (u.s.)"/

Search 14. North America

"north america" OR canada OR greenland OR mexico OR "united states"

exp north america/ or exp canada/ or exp mexico/ or exp united states/

Search 15. South and Central America

"south and central america" OR "central america" OR bellize OR "costa rica" OR ecuador OR "el salvador" OR guatemala OR honduras OR nicaragua OR panama OR "south america" OR argentina OR bolivia OR brazil OR chile OR columbia OR ecuador OR "french guiana" OR guyana OR paraguay OR peru OR suriname OR uruguay OR venezuela"

exp "south and central america"/ or exp central america/ or exp belize/ or exp costa rica/ or exp el salvador/ or exp guatemala/ or exp honduras/ or exp nicaragua/ or exp panama/ or exp south america/ or exp argentina/ or exp aruba/ or exp bolivia/ or exp brazil/ or exp chile/ or exp colombia/ or exp ecuador/ or exp french guiana/ or exp guyana/ or exp netherlands antilles/ or exp paraguay/ or exp peru/ or exp suriname/ or exp uruguay/ or exp venezuela/

A.2.2 EMBASE search strategies

Injecting drug use epidemiology

Combine (Search 1. Injecting Drug Use) AND (Search [Region: searches 5-15]) individually for each region

- **If search result greater than 1000 references → limit to 2002- 2007 only.**
If still greater than 1000 references → limit by combining this search result AND (Search 4. Epidemiology)

OR

- **If search result is less than 200 references → also perform the following:**
Combine (Search 2. Drug use) and (Search [Region])
- **If this search result is greater than 1000 references → limit to 2002- 2007 only.**
If still greater than 1000 references → limit by combining this search result AND (Search 4. Epidemiology)

HIV among IDU epidemiology

Combine (Search 3. HIV/AIDS) AND (Search [Region: searches 5-15]) individually for each region

- **If search result greater than 1000 references → limit by combining this search result AND ((Search 1. Injecting drug use) OR (Search 2. Drug use))**
If search result still greater than 1000 references → limit by combining this search result AND (Search 4. Epidemiology)
If search result still greater than 1000 references → limit to 2002- 2007 only

A.3 BioMed Central Global Search Strategy

A.3.1 BioMed Central search terms

Search 1. Injecting Drug Use

IDU OR IDUs OR "injecting drug" OR "intravenous drug" OR "intravenous substance" OR "injecting substance"

Search 2. Drug use

heroin OR cocaine OR amphetamine* OR methamphetamine* OR opioid* OR opium OR opiate OR drug abuse OR drug use* OR drug misuse OR drug dependenc* OR substance abuse OR substance use* OR substance misuse OR substance dependenc* OR addict*

Search 3. HIV/AIDS

HIV OR AIDS OR HIV/AIDS OR "Human Immunodeficiency Virus" OR "Acquired Immunodeficiency Syndrome" OR "Acquired Immune Deficiency Syndrome"

Search 4. Epidemiology

"prevalence" OR "incidence" OR "epidemiolog*" OR "data collection" Or "Survey" OR "surveillance" OR "screening" OR "seroprevalence" OR "cohort" OR "population study" OR "population sample" OR "population survey" OR "population surveillance" OR "community sample" OR "RAR" OR "rapid assessment" OR "situation* assessment" OR "statistics"

Search 5. Africa

"africa" OR "sub-saharan africa" OR angola OR benin OR botswana OR " burkina faso" OR burundi OR cameroon OR "cape verde" OR "central african republic" OR "chad" OR comoros OR congo OR "republic of the congo" OR "cote d'Ivoire" OR "democratic republic of the congo" OR djibouti OR dominica or "equatorial guinea" OR eritrea OR ethiopia OR gabon OR gambia OR ghana OR guinea OR "guinea-bissau" OR kenya OR lesotho OR liberia OR libya OR madagascar OR malawi OR mali OR mauritania OR mozambique OR namibia OR niger OR nigeria OR rwanada OR "san tome and principe" OR senegal OR serbia OR "sierra leone" OR somalia OR "south africa" OR sudan OR swaziland OR tanzania OR togo OR tuvalu OR uganda OR zambia OR zimbabwe OR "northern africa" OR algeria OR egypt OR libya OR morocco OR Tunisia OR "western sahara"

Search 6. Asia

asia OR "far east" OR china OR japan OR "north korea" OR "south korea" OR mongolia OR taiwan "south east asia" OR borneo OR "brunei darussalam" OR cambodia OR "east timor" OR indonesia OR laos OR "mekong valley" OR myanmar OR philippines OR singapore OR thailand OR Vietnam OR "central asia" OR kazakhstan OR kyrgyzstan OR tajikistan OR turkmenistan OR uzbekistan OR "south asia" OR "afghanistan" or bangladesh OR bhutan OR india OR nepal OR pakistan OR "sri lanka" OR "middle east" OR bahrain OR iran OR iraq OR israel OR jordan OR kuwait OR lebanon OR oman OR qatar OR "saudi arabia" OR syria OR turkey OR "united arab emirates" OR yemen OR "south asia" OR "afghanistan" or bangladesh OR bhutan OR india OR nepal OR pakistan OR "sri lanka"

Search 7. Australia and New Zealand

australia OR "new zealand"

Search 8. Eastern Europe

"eastern europe" OR albania OR armenia OR azerbaijan OR "georgia republic" OR estonia OR latvia OR lithuania OR bosnia OR herzegovina OR bulgaria OR belarus OR byelarus OR croatia OR "czech republic" OR hungary OR macedonia OR montenegro OR moldova OR "poland" OR romania OR russia OR russian OR slovakia OR slovenia OR ukraine OR yugoslavia

Search 9. Western Europe

"western europe" OR andorra OR austria OR belgium OR finland OR france OR germany OR gibralta OR "great britain" OR greece OR iceland OR ireland OR italy OR liechtenstein OR luxembourg OR monaco OR netherlands OR portugal OR "san marino" OR spain OR Switzerland OR "united kingdom" OR scandinavia OR denmark OR norway OR sweden OR "vatican city" OR cyprus OR malta OR sicily

Search 10. "Atlantic islands"

"atlantic islands" OR azores OR bermuda OR "falkland islands"

Search 11. "Indian Ocean Islands"

"indian ocean islands" OR comoros OR madagasca OR maldives OR mauritius OR reunion OR seychelles

Search 12. Pacific Islands

"pacific islands" OR fiji OR "french polynesia" OR guam OR hawaii OR kiribati OR "marshall islands" OR micronesia OR "federated states or micronesia" OR nauru OR "new calidonia" OR palau OR "papua new guinea" OR samoa OR "solomon islands" OR tonga OR vanuatu

Search 13. Caribbean Islands

caribbean OR antigua OR barbuda OR bahamas OR barbados OR cuba OR "dominican republic" OR grenada OR guadeloupe OR haiti OR jamaica OR martinique OR "netherland antilles" OR "puerto rico" OR "saint kitts" OR nevis OR "saint lucia" OR "saint vincent" OR "the grenadines" OR "saint vincent and the grenadines" OR trinidad OR tobago OR "virgin islands"

Search 14. North America

"north america" OR canada OR greenland OR mexico OR "united states"

Search 15. South and Central America

"south and central america" OR "central america" OR bellize OR "costa rica" OR ecuador OR "el salvador" OR guatemala OR honduras OR nicaragua OR panama OR "south america" OR argentina OR bolivia OR brazil OR chile OR columbia OR ecuador OR "french guiana" OR guyana OR paraguay OR peru OR suriname OR uruguay OR venezuela"

A.3.2 BioMed Central search strategies

Injecting drug use epidemiology

Combine (Search 1. Injecting Drug Use) AND (Search [Region: searches 5-15]) individually for each region

- If search result greater than 1000 references → limit to 2002- 2007 only.
If still greater than 1000 references → limit by combining this search result AND (Search 4. Epidemiology)

OR

- If search result is less than 200 references → also perform the following:
Combine (Search 2. Drug use) and (Search [Region])
- If this search result is greater than 1000 references → limit to 2002- 2007 only.
If still greater than 1000 references → limit by combining this search result AND (Search 4. Epidemiology)

HIV among IDU epidemiology

Combine (Search 3. HIV/AIDS) AND (Search [Region: searches 5-15]) individually for each region

- If search result greater than 1000 references → limit by combining this search result AND ((Search 1. Injecting drug use) OR (Search 2. Drug use))
If search result still greater than 1000 references → limit by combining this search result AND (Search 4. Epidemiology)
If search result still greater than 1000 references → limit to 2002- 2007 only

A.4 PubMed Search Strategy

A.4.1 PubMed search terms

'key-words' in lowercase, 'MESH' terms in **bold**

Search 1. Injecting Drug Use

IDU OR IDUs OR "injecting drug" OR "intravenous drug" OR "intravenous substance" OR "injecting substance" OR **"exp substance abuse, intravenous" [MH]**

Search 2. Drugs and drug use

heroin OR cocaine OR amphetamine* OR methamphetamine* OR opioid* OR opium OR opiate* OR "drug abuse" OR "drug use" OR "drug user" OR "drug users" OR "drug misuse" OR "drug dependent" OR "drug dependence" OR "drug dependency" OR "substance abuse" OR "substance use" OR "substance user" OR "substance users" OR "substance misuse" OR "substance dependence" OR "substance dependency" OR "substance dependent" OR addict* OR **"designer drugs" [MH] OR "street drugs" [MH] OR Cocaine [MH] OR "crack cocaine" [MH] OR amphetamines [MH] OR amphetamine [MH] OR methamphetamine [MH] OR Opium [MH] OR Heroin [MH] OR "substance-related disorders" [MH] OR "amphetamine-related disorders" [MH] OR "cocaine-related disorders" [MH] OR "opioid-related disorders" [MH] OR "heroin dependence" [MH] OR "morphine dependence" [MH] OR "psychoses, substance-induced" [MH]**

Search 3. HIV/AIDS

HIV OR AIDS OR HIV/AIDS OR "Human Immunodeficiency Virus" OR "Human Immune Deficiency Virus" OR "Acquired Immunodeficiency Syndrome" OR "Acquired Immune Deficiency Syndrome" OR **HIV [MH] OR HIV-1 [MH] OR HIV-2 [MH] OR "HIV infections" [MH] OR "acquired immunodeficiency syndrome" [MH] OR "HIV seropositivity" [MH] OR "HIV seroprevalence" [MH] OR "AIDS serodiagnosis" [MH]**

Search 4. Epidemiology

prevalence OR incidence OR epidemiolog* OR "data collection" Or survey OR surveillance OR screening OR seroprevalence OR cohort OR "population study" OR "population sample" OR "population survey" OR "population surveillance" OR "community sample" OR "RAR" OR "rapid assessment" OR "situation assessment" OR "situational assessment" OR statistics OR **epidemiologic methods [MH] OR contact tracing [MH] OR data collection [MH] OR health surveys [MH] OR health care surveys [MH] OR interviews [MH] OR narration [MH] OR questionnaires [MH] OR records [MH] OR registries [MH] OR disease notification [MH] OR sentinel surveillance [MH] OR epidemiologic studies [MH] OR cohort studies [MH] OR longitudinal studies [MH] OR follow-up studies [MH] OR prospective studies [MH] OR cross-sectional studies [MH] OR seroepidemiologic studies [MH] OR hiv seroprevalence [MH] OR sampling studies [MH] OR focus groups [MH] OR delphi technique [MH]**

A.4.2 PubMed search strategies

IDU epidemiology

1. IDU

- a) limit: Epidemiology
- b) limit: 2002

Or if need to expand:

- c) **'Drugs and drug use'**
- d) limit: Epidemiology
- e) limit: 2002

HIV among IDU epidemiology

2. HIV/AIDS

- a) limit: (IDU **OR** 'Drug use') [play with this]
- b) limit: Epidemiology
- c) limit: 2002

Appendix B: Grey literature and online database searches

A wide range of online databases and websites were searched for additional information to that collected in the peer reviewed literature. These databases are crucial sources of information on the epidemiology of injecting drug use and HIV among injecting drug users because so much of the work in this area appear to be published only in the form of reports. In total, 44 online resource and database websites were searched. In addition, 14 surveillance system websites; 9 regional harm reduction websites; 3 prison databases, and 33 country-specific drug control agencies and ministry of health websites were searched for relevant data.

The following search terms were used (both as acronyms and expanded as full terms):

1. IDU/s
2. HIV, AIDS, HIV/AIDS
3. Heroin, Cocaine, Amphetamine, Methamphetamine, Opioid
4. OST, MMT, Methadone, Buprenorphine
5. HCV
6. HIV + HCV
7. HIV + TB
8. Harm Reduction
9. HIV + Prison
10. NSP, SEP,
11. ART, HAART
12. Condom Program
13. Targeted Info,
14. VCT
15. HAV +/-or HBV + IDU

B.1 Online resources, libraries and databases

1. Alcohol and Drug Council of Australia (ADCA) National Resource Centre:

<http://www.adca.org.au/content/view/19/57/>

2. Australian Drug Foundation - Drug Info Clearinghouse library

<http://www.druginfo.adf.org.au/browse.asp?containerid=library>

3. Australasian Society of HIV Medicine

<http://theconsortium.nchsr.arts.unsw.edu.au/home.htm>

4. Caribbean Drug Information Network (CARIDIN) CAREC/CARIFORUM/EU Drug Abuse Epidemiological & Surveillance System Project

http://www.carec.org/projects/caridin_daess/caridin_daess.htm

5. CINAHL

<http://www.cinahl.com/>

6. Drug Policy Alliance

<http://www.drugpolicy.org/library/>

7. Drugscope UK

<http://www.drugscope.org.uk/>

- 8. ELISAD Europe**
<http://www.addictionsinfo.eu/>
- 9. Health on the net 'HON'**
<http://www.hon.ch/>
- 10. Global Health (via UNSW Sirius)**
- 11. Grey Net**
<http://www.greynet.org/>
- 12. Science Accelerator**
<http://www.scienceaccelerator.gov/>
- 13. High Wire Press at Stanford University**
<http://highwire.stanford.edu/>
- 14. LILACS & MEDICARB databases (Latin American and Caribbean of Health Sciences Information System)**
<http://www.bireme.br/php/index.php?lang=en>
- 15. Lindesmith Library**
<http://library.soros.org/lindesmith.html>
- 16. National Prevention Information Network (formerly CDC AIDS clearinghouse)**
<http://www.cdcnpin.org/scripts/index.asp>
- 17. New York Academy of Medicine**
<http://www.nyam.org/library/>
- 18. Project CORK**
http://www.projectcork.org/database_search/index.html
- 19. SAMHDA (Substance Abuse and Mental Health Data Archive)**
<http://www.icpsr.umich.edu/SAMHDA/>
- 20. Schaffer Library of Drug Policy:**
<http://www.druglibrary.org/schaffer/index.htm>
- 21. SCOPUS**
<http://www.info.scopus.com/>
- 22. Web of Science**
<http://scientific.thomson.com/products/wos/>
- 23. Human Rights Watch:**
<http://www.hrw.org>
- 24. PAIS International** – access via UNSW library resource list
- 25. Virtual Health Science Library: EMIAC**
<http://www.virtualhealthlibrary.org/php/index.php?lang=en>

26. BiblioLine:

<http://biblioline.nisc.com/scripts/login.dll?noip>

27. ISI Proceedings – access via UNSW library resource list

28. MEDCARIB¹

<http://bases.bireme.br/cgi-bin/wxislind.exe/iah/online/?IsisScript=iah/iah.xis&base=MedCarib&lang=i&form=F>

29. The AIDS Education Global information System (AEGIS):

<http://www.aegis.com/>

30. The Consortium for Social and Policy Research on HIV, Hepatitis C and related diseases:

<http://nchr.arts.unsw.edu.au/Clearinghouse/search.htm>

31. hivpolicy.org

<http://www.hivpolicy.org/>

32. SEA-AIDS eForums

<http://www.healthdev.org/eforums/sea-aids/>

33. Beckley Foundation

<http://www.internationaldrugpolicy.net/>

34. The International Treatment Preparedness Coalition (ITPC)

<http://www.aidstreatmentaccess.org>

35. Thomas Land Health Publishers

<http://thomasland.metapress.com/app/home/main.asp>

36. Asia Development Bank

<http://www.adb.org/>

37. World Bank AIDS Economics

<http://www.worldbank.org/aidsecon/>

38. AVERT

<http://www.avert.org/>

39. APAIC

<http://www.apaic.org/librarynew.html>

40. IAS-AIDS conference proceedings

<http://www.iasociety.org/>

41. IHRA-Conference Proceedings (via IHRA)

¹ Note: can be accessed through Virtual Health Library portal

42. Asia Foundation

<http://www.asiafoundation.org/>

43. WHO regional office for the Eastern Mediterranean: Library and Information database

<http://www.emro.who.int/cgi-bin/wxis.exe/iah/?IsisScript=iah/iah.xic&base=emcat&lang=i>

44. China AIDS

<http://www.china-aids.org/english/>

45. Cranstoun Drug Services

<http://www.cranstoun.org/index.htm>

B.2 Surveillance Systems

1. CARDIN: Caribbean Drug Information Network

http://www.carec.org/projects/caridin_daess/caridin_daess.htm

2. ACCORD: ASEAN and China Cooperative Operations in Response to Dangerous Drugs

<http://www.accordplan.net/>

3. NATRESA: National Agency for the Treatment and Rehabilitation of Substance Abusers

<http://www.gov.mu/portal/site/natresa/>

4. Southern African Development Community (SADC) Epidemiology Network on Drug Use (SENDU)

<http://www.sadc.int/>

5. SIDUC: Inter-American Drug Use Data System

<http://www.cicad.oas.org/en/default.asp>

6. CICAD OID: The Inter-American Observatory on Drugs

<http://www.cicad.oas.org/OID/>

7. APAIC: Asian Pacific ATS Information Centre

<http://www.apaic.org/>

-Regional ATS trends: <http://www.apaic.org/TRENDS/Philippinesnew.html>

8. CEWG: Community Epidemiology Work Group

<http://www.drugabuse.gov/about/organization/CEWG/CEWGHome.html>

9. DAWN: Drug Abuse Warning Network (US)

<http://dawninfo.samhsa.gov/>

10. Australian Illicit Drug Reporting System (IDRS)

<http://ndarc.med.unsw.edu.au/NDARCWeb.nsf/page/IDRSa>

11. Australian National Centre in HIV Epidemiology and Clinical Research (NCHECR)

<http://www.nchechr.unsw.edu.au/>

12. CDC Centre for Disease Control (US – Atlanta)

<http://www.cdc.gov/>

14. European Monitoring Centre on Drugs and Drug Addiction (EMCDDA)

<http://www.emcdda.europa.eu/>

B.3 National Government Drug Agencies, Ministries of Health and related

Many government websites were searched. These included:

1. Andorra: Ministry of Health and Welfare

<http://www.salutibenestar.ad>

2. Armenia: National Centre for AIDS Prevention

<http://www.arm aids.am>

3. Austria: Federal Ministry for Health & Women

<http://www.bmgf.gv.at>

4. Belgium: Scientific Institute of Public Health

<http://www.iph.fgov.be>

5. Cyprus: Ministry of Health

<http://www.moh.gov.cy>

6. Czech Republic: National Institute of Public Health

<http://www.szu.cz>

7. Denmark: Statens Serum Institute

<http://www.ssi.dk>

8. Estonia: Health Protection Inspectorate

<http://www.tervisekaitse.ee/?lang=3>

9. Finland: National Public Health Institute

<http://www.ktl.fi>

10. France: Institut de veille sanitaire

<http://www.invs.sante.fr>

11. Georgia: AIDS & Clinical Immunology Research Centre

<http://aids.gol.ge>

12. Germany: Robert Koch-Institut

<http://www.rki.de>

13. Greece: Hellenic Centre for Disease Prevention and Control

<http://www.keel.org.gr>

14. Iceland: Directorate of Health

<http://www.landlaeknir.is/>

- 15. Indonesia: Departemen Kesehatan**
http://www.depkes.go.id/en/index_en.htm
- 16. Ireland: Health Protection Surveillance Centre**
<http://www.ndsc.ie>
- 17. Israel: Ministry of Health**
<http://www.health.gov.il>
- 18. Italy: Istituto Superiore di Sanità**
<http://www.iss.it>
- 19. Latvia: AIDS Prevention Centre**
<http://www.aids-latvija.lv/>
- 20. Lithuania: AIDS Centre**
<http://www.aids.lt>
- 21. Luxembourg: Direction de la Santé**
<http://www.ms.etat.lu>
- 22. Malta: Department of Public Health**
<http://www.sahha.gov.mt/pages.aspx>
- 23. Netherlands: National Institute for Public Health & the Environment**
<http://www.rivm.nl>
- 24. Norway: Institute of Public Health**
<http://www.fhi.no>
- 25. Poland: National Institute of Hygiene**
<http://www.medstat.waw.pl>
- 26. Portugal: National Institute of Health Dr Ricardo Jorge**
<http://www.insarj.pt>
- Romania: Matei Bals Institute of Infectious Diseases, Bucharest**
<http://www.ms.ro>
- 27. Spain: Instituto de Salud "Carlos III"**
<http://www.isciii.es>
- 28. Sweden: Institute for Infectious Disease Control**
<http://www.smittskyddsinstitutet.se>
- 29. Switzerland: Federal Office of Public Health**
<http://www.bag.admin.ch>
- 30. Thailand: Office of the Narcotics Control Board (ONCB)**
<http://www.oncb.go.th/>

31. Turkey: Ministry of Health

<http://www.saglik.gov.tr>

**32. United Kingdom: Health Protection Agency
& Health Protection Scotland, Glasgow**

<http://www.hpa.org.uk> & <http://www.hps.scot.nhs.uk>

33. Viet Nam: Ministry of Health

<http://www.moh.gov.vn/homebyt/en/portal/index.jsp>

B.4 Regional Harm Reduction Networks

1. Soros IHRD program

<http://www.soros.org/initiatives/health/focus/ihrd>

2. Asian Harm Reduction Network

<http://www.ahrn.net>

3. Canadian Harm Reduction Network

<http://www.canadianharmreduction.com/>

4. Central and Eastern European and Central Asian Harm Reduction Network

<http://www.ceeern.org/>

5. CHRC - Caribbean Harm Reduction Coalition

www.caribbeanharmreductioncoalition.htmlplanet.com

6. HRC – The Harm Reduction Coalition (USA)

www.harmreduction.org

7. Reduc – The Brazilian Harm Reduction Network

www.reduc.org.br

8. UKHRA – The UK Harm Reduction Alliance

www.ukhra.org

B.5 Prison databases

1. International Centre for Prison Studies – Kings College

<http://www.kcl.ac.uk/schools/law/research/icps>

2. ENDIPP² - European Network on Drugs and Infections Prevention in Prison

http://www.endipp.net/index.php?option=com_content&task=view&id=32&Itemid=49

² Note: the ENDIPP website has been discontinued as of early 2008

Appendix C: Email request for additional data

In January 2008, an email was sent worldwide requesting further data to:

- a. known email lists (including the Asian Harm Reduction Network, EHRN, IYNHR, NHRN, Stijn Goossens, HRC, ADCA UPDATE, International Harm Reduction Association, CHRC, Correlation-ENSIH),
- b. Reference Group members,
- c. WHO, UNAIDS and UNODC Headquarters staff, and
- d. Contacts of researchers in the Secretariat team.

This request resulted in 62 responses containing data from people and resulted in the identification of reports that provided data for countries across all regions worldwide.

The email text read:

“URGENT REQUEST

Reference Group to the UN on HIV and IDU

We are looking for data from around the world on the number of injecting drug users and HIV prevalence among IDUs.

Do you have data from your country?

The Reference Group to the United Nations on HIV and injecting drug use advises UNODC, UNAIDS and WHO on injecting drug use and on effective approaches to HIV prevention and care for IDUs to help guide strategies for scaling up these activities.

See www.idurefgroup.unsw.edu.au for more information about the work of the Reference Group, the international experts who currently make up the group and the Secretariat which is currently based at the National Drug and Alcohol Centre in Australia.

One of our major activities is to report on the global extent of IDU and HIV.

We are in the process of updating estimates for every country around the world on:

1. ***the number of people who inject drugs in each country***
2. ***the prevalence of HIV among these injecting drug users***

Many of you may be familiar with the estimates that were released several years ago by the previous Reference Group.

Producing these estimates is difficult because in many countries there are no data measuring the extent of injecting drug use or HIV among injecting drug users. In other countries data may exist, but are not widely available.

So far we have conducted a very large search of the peer-reviewed literature and have tried to gather as much *grey* literature (such as NGO and government reports) as possible. However we know that there will be some material that our search would have missed.

Below is a list of countries that we do not currently have sufficient data on. This lack of data means we will be unable to make direct estimates on the size of the IDU population or the prevalence of HIV among IDUs for these countries.

Do you have any information on these countries that may be of use to us?

Any assistance you are able to provide will be acknowledged in the reports of the Reference Group. We have only a limited amount of time in which to complete this work. Because of this we will only be able consider material that is sent to us ***before Friday 15 February 2008.***

More data is needed for the following countries:

Eastern Europe and Central Asia:

Bosnia and Herzegovina, Georgia, Lithuania

South Asia:

Bhutan, Maldives, Sri Lanka

East and South East Asia

Brunei Darussalam, Democratic People's Republic of Korea, Japan, Lao People's Democratic Republic, Mongolia, Republic of Korea, Singapore, The Taiwan Province of China, Timor Leste

Caribbean

Antigua and Barbuda, Bahamas, Barbados, Cuba, Dominica, Dominican Republic, Grenada, Haiti, Jamaica, Saint Kitts and Nevis, Saint Lucia, Saint Vincent & Grenadines, Trinidad and Tobago

South America

Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Guyana, Honduras, Nicaragua, Panama, Paraguay, Peru, Suriname, Uruguay, Venezuela

Oceania and the Pacific

American Samoa, Federated States of Micronesia, Fiji, French Polynesia, Guam, Kiribati, Marshall Islands, Nauru, New Caledonia, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu

Western Europe

Albania, Andorra, Belgium, Iceland, Italy, Finland, France, Liechtenstein, Monaco, Montenegro, San Marino, Serbia, Spain, Switzerland, The Former Yugoslav Republic of Macedonia

Middle East and North Africa

Algeria, Bahrain, Egypt, Iraq, Jordan, Kuwait, Lebanon, Libyan Arab Jamahiriya, Morocco, Occupied Palestinian Territories, Oman, Qatar, Saudi Arabia, Sudan, Syrian Arab Republic, Tunisia, Turkey, United Arab Emirates, Yemen

Sub-Saharan Africa

Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Côte d'Ivoire, Democratic Republic of the Congo, Djibouti, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mozambique, Namibia, Niger, Nigeria, Republic of the Congo, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia, Swaziland, Togo, Uganda, Zambia, Zimbabwe

If you have any information you can share with us or you have any further questions please send an email to: **IDUreferencegroup@med.unsw.edu.au**

We would greatly appreciate any help you can offer us.

I look forward to hearing from you.

Regards,

Bradley Mathers.

Dr Bradley Mathers
Coordinator, Secretariat of the Reference Group to the UN on HIV and IDU
National Drug and Alcohol Research Centre
University of New South Wales
Sydney, Australia
Web: <http://www.idurefgroup.unsw.edu.au>

Appendix D: Source references for estimates used

Table 2 (D): Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in Europe

| Countries and territories | IDU prevalence (%) | | | 2007 IDU population | | | HIV prevalence (%) | | |
|---------------------------|--------------------|----------|-------|---------------------|----------|-------|--------------------|--------------|-------|
| | Lower | Mid | Upper | Lower | Mid | Upper | Lower | Mid | Upper |
| Eastern Europe | | | | | | | | | |
| Armenia | -- | (1) | -- | -- | (1) | -- | (1, 2) | (1, 2) | (2) |
| Azerbaijan | -- | (3, 4) | -- | -- | (3, 4) | -- | (5) | (5) | (5) |
| Belarus | -- | (6) | -- | -- | (6) | -- | -- | (6) | -- |
| Bosnia & Herzegovina | -- | (7) | -- | -- | -- | -- | -- | (8) | -- |
| Bulgaria | (9) | (9) | (9) | (9) | (9) | (9) | -- | (10) | -- |
| Croatia | -- | (8) | -- | -- | -- | -- | -- | (10) | -- |
| Czech Republic | (11) | (11) | (11) | (11) | (11) | (11) | (10) | (10) | (10) |
| Estonia | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) |
| Georgia | (12) | (12, 13) | (13) | (12) | (12, 13) | (13) | (12) | (12, 13) | (13) |
| Hungary | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) |
| Latvia | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) |
| Lithuania | -- | (14) | -- | -- | (14) | -- | -- | (10) | -- |
| Moldova | -- | (8) | -- | -- | (8) | -- | -- | (15) | -- |
| Poland | (10) | (10) | (10) | (10) | (10) | (10) | -- | (10) | -- |
| Romania | -- | (16, 17) | -- | -- | -- | -- | -- | (10) | -- |
| Russian Federation | -- | (3) | -- | -- | (3) | -- | (18) | (18) | (18) |
| Slovakia | (11) | (11) | (11) | (11) | (11) | (11) | -- | (10, 19, 20) | -- |
| Ukraine | (21) | (21) | (21) | -- | -- | -- | -- | (22) | -- |
| Western Europe: | | | | | | | | | |
| Albania | -- | (23) | -- | -- | -- | -- | -- | (10) | -- |
| Andorra | -- | (23) | -- | -- | -- | -- | -- | (10) | -- |
| Austria | (10) | (10) | (10) | (10) | (10) | (10) | -- | (10) | -- |
| Belgium | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) |
| Denmark | (10) | (10) | (10) | (10) | (10) | (10) | -- | (10) | -- |
| Finland | (10) | (10) | (10) | (10) | (10) | (10) | -- | (10) | -- |
| France | -- | (10) | -- | -- | (10) | -- | -- | (10) | -- |
| Germany | (10) | (10) | (10) | (10) | (10) | (10) | -- | (10) | -- |
| Greece | (11) | (11) | (11) | (11) | (11) | (11) | (10) | (10) | (10) |
| Iceland | -- | (23) | -- | -- | -- | -- | -- | (23) | -- |
| Ireland | (10) | (10) | (10) | (10) | (10) | (10) | -- | (10) | -- |
| Italy | -- | (10) | -- | -- | (10) | -- | -- | (24) | -- |
| Liechtenstein | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Luxembourg | -- | (10, 25) | -- | -- | (10, 25) | -- | -- | (10) | -- |
| Macedonia FYR | -- | (23) | -- | -- | -- | -- | -- | (23) | -- |
| Malta | (10) | (10) | (10) | (10) | (10) | (10) | -- | (10) | -- |

| | | | | | | | | | |
|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Monaco | -- | (23) | -- | -- | -- | -- | -- | (23) | -- |
| Montenegro | -- | (23) | -- | -- | -- | -- | -- | (23) | -- |
| Netherlands | (10) | (10) | (10) | (10) | (10) | (10) | -- | (26) | -- |
| Norway | (10, 27) | (10, 27) | (10, 27) | (10, 27) | (10, 27) | (10, 27) | -- | (10) | -- |
| Portugal | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) | (10) |
| San Marino | -- | (23) | -- | -- | -- | -- | -- | (23) | -- |
| Serbia | -- | (23) | -- | -- | -- | -- | -- | (23) | -- |
| Slovenia | -- | (10) | -- | -- | (10) | -- | -- | (10) | -- |
| Spain | -- | (10) | -- | -- | (10) | -- | -- | (10) | -- |
| Sweden | -- | (10) | -- | -- | (10) | -- | -- | (10) | -- |
| Switzerland | (10) | (10) | (10) | (10) | (10) | (10) | -- | (10) | -- |
| United Kingdom | (11) | (11) | (11) | (11) | (11) | (11) | (24, 28) | (24, 28) | (24, 28) |

Table 3 (D): Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in Asia

| | IDU prevalence (%) | | | 2007 IDU population | | | HIV prevalence (%) | | |
|----------------------------------|--------------------|--------------|----------|---------------------|-------------|-------|--------------------|----------|--------------|
| | Lower | Mid | Upper | Lower | Mid | Upper | Lower | Mid | Upper |
| East and South East Asia: | | | | | | | | | |
| Brunei Darussalam | -- | (29) | -- | -- | -- | -- | -- | (30) | -- |
| Cambodia | (31) | (31) | (31) | (31) | (31) | (31) | (31) | | |
| China | (32) | (32) | (32) | (32) | (32) | (32) | (32) | | |
| DPR Korea | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Indonesia | (33) | (33) | (33) | (33) | (33) | (33) | (33) | (33) | (33) |
| Japan | -- | (34) | -- | -- | (34) | -- | -- | (34) | -- |
| Lao PDR | -- | (35-37) | -- | -- | -- | -- | -- | (38) | -- |
| Malaysia | (39) | (39) | (39) | (39) | (39) | (39) | -- | (40) | -- |
| Mongolia | -- | (41) | -- | -- | -- | -- | -- | (41) | -- |
| Myanmar | (42) | (42) (43) | (42) | (42) | (42) | (42) | (42) | (42) | (42) |
| Republic of Korea | -- | (44) | -- | -- | -- | -- | -- | (44) | -- |
| Philippines | -- | (45-47) | -- | -- | -- | -- | -- | (45) | -- |
| Singapore | -- | (34) | -- | -- | -- | -- | -- | (30) | -- |
| Taiwan province of China | -- | (48) | -- | -- | -- | -- | (48) | (48, 49) | (49) |
| Thailand | -- | (50-52) | -- | -- | (50-52) | -- | -- | (53) | -- |
| Timor Leste | -- | (54) | -- | -- | -- | -- | -- | -- | -- |
| Viet Nam | -- | (55) | -- | -- | (55) | -- | -- | (56) | -- |
| South Asia: | | | | | | | | | |
| Afghanistan | (57) | (57) | (57) | (57) | (57) | (57) | (58) | (58) | (58) |
| Bangladesh | (59) | (60, 61) | (59, 60) | (60) | (60) | (60) | (61) | (61) | (61) |
| Bhutan | -- | (62) | -- | -- | -- | -- | -- | -- | -- |
| India | (63) | (63) | (63) | (63) | (63) | (63) | -- | (64) | -- |
| Iran, Islamic Republic | -- | (65) | -- | -- | (65) | -- | (66) | (66) | (66) |
| Maldives | -- | (67) | -- | -- | -- | -- | -- | -- | -- |
| Nepal | (68) | (68) | (68) | (68) | (68) | (68) | -- | (68) | -- |
| Pakistan | (69) | (69) | (69) | (69) | (69) | (69) | (69, 70) | (69, 70) | (69, 70) |
| Sri Lanka | -- | (44, 71, 72) | -- | -- | -- | -- | -- | (72) | -- |
| Central Asia: | | | | | | | | | |
| Kazakhstan | -- | -- | -- | -- | (3, 73, 74) | -- | (73, 74) | -- | (73, 74) |
| Kyrgyzstan | -- | -- | -- | -- | (73, 74) | -- | (73, 74) | -- | (73, 74) |
| Tajikistan | -- | -- | -- | -- | (73, 74) | -- | (73, 74) | -- | (73, 74) |
| Turkmenistan | -- | (3) | -- | -- | -- | -- | -- | (3) | -- |
| Uzbekistan | -- | (3, 73, 74) | -- | -- | (3, 73, 74) | -- | (73-75) | -- | (73, 74, 76) |

Table 4 (D): Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in the Americas

| Countries and territories | IDU prevalence (%) | | | 2007 IDU population | | | HIV prevalence (%) | | |
|-----------------------------|--------------------|--------------|-------|---------------------|----------|-------|--------------------|----------------|-------------|
| | Lower | Mid | Upper | Lower | Mid | Upper | Lower | Mid | Upper |
| Antigua & Barbuda | -- | (77) | -- | -- | -- | -- | -- | (77) | -- |
| Bahamas | -- | (30, 77) | -- | -- | -- | -- | -- | (30) | -- |
| Barbados | -- | (77) | -- | -- | -- | -- | -- | (78) | -- |
| Bermuda | -- | (30) | -- | -- | -- | -- | -- | -- | -- |
| Commonwealth of Puerto Rico | -- | (79) | -- | -- | (79) | -- | -- | (80) | -- |
| Cuba | -- | -- | -- | -- | -- | -- | -- | (81) | -- |
| Dominica | -- | (77, 82) | -- | -- | -- | -- | -- | (77) | -- |
| Dominican Republic | -- | (30) | -- | -- | -- | -- | -- | (30) | -- |
| Grenada | -- | (77) | -- | -- | -- | -- | -- | (77) | -- |
| Haiti | -- | (77, 82, 83) | -- | -- | -- | -- | -- | (77, 84, 85) | -- |
| Jamaica | -- | (77) | -- | -- | -- | -- | -- | (77, 86-88) | -- |
| Saint Kitts & Nevis | -- | (82) | -- | -- | -- | -- | -- | (77) | -- |
| Saint Lucia | -- | (82) | -- | -- | -- | -- | -- | (77) | -- |
| Saint Vincent & Grenadines | -- | (77) | -- | -- | -- | -- | -- | (77) | -- |
| Trinidad & Tobago | -- | (89) | -- | -- | -- | -- | -- | (77) | -- |
| Latin America: | | | | | | | | | |
| Argentina | (90) | (90, 91) | (91) | (90) | (90, 91) | (91) | (91) (92) | (91, 92) | (91, 92) |
| Belize | -- | (93) | -- | -- | -- | -- | -- | (77, 93, 94) | -- |
| Bolivia | -- | (94) | -- | -- | -- | -- | -- | (94) | -- |
| Brazil | -- | (95) | -- | -- | (95) | -- | (90, 96-98) | (90, 96-98) | (90, 96-98) |
| Chile | -- | (99) | -- | -- | (99) | -- | -- | (100, 101) | -- |
| Colombia | -- | (96) | -- | -- | -- | -- | (96) | (96) | (96) |
| Costa Rica | -- | (30) | -- | -- | -- | -- | -- | (30) | -- |
| Ecuador | -- | (30) | -- | -- | -- | -- | -- | (30) | -- |
| El Salvador | -- | (94, 102) | -- | -- | -- | -- | -- | (94, 102) | -- |
| Guatemala | -- | (94, 102) | -- | -- | -- | -- | -- | (94, 102) | -- |
| Guyana | -- | (103) | -- | -- | -- | -- | -- | -- | -- |
| Honduras | -- | (104) | -- | -- | -- | -- | -- | (94, 102, 104) | -- |
| Mexico | -- | (90, 105) | -- | -- | -- | -- | (106) (107) | (106) | (106, 107) |
| Nicaragua | -- | (30) | -- | -- | -- | -- | -- | (96) | -- |
| Panama | -- | (94, 102) | -- | -- | -- | -- | -- | (94, 102) | -- |
| Paraguay | -- | (108, 109) | -- | -- | -- | -- | (108, 109) | (108, 109) | (108, 109) |
| Peru | -- | (96) | -- | -- | -- | -- | -- | (96) | -- |
| Suriname | -- | (30) | -- | -- | -- | -- | -- | (110) | -- |
| Uruguay | -- | (111) | -- | -- | -- | -- | -- | (90, 112) | -- |
| Venezuela | -- | (30) | -- | -- | -- | -- | -- | (30) | -- |
| Canada and the US: | | | | | | | | | |
| Canada | (113) | (113) | (113) | (113) | (113) | (113) | (114) | (114) | (114) |
| United States | (79) | (79) | (79) | (79) | (79) | (79) | (79, 115) | (79, 115) | (79, 115) |

Table 5 (D): Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in Oceania

| Countries and territories | IDU prevalence (%) | | | 2007 IDU population | | | HIV prevalence (%) | | |
|---|--------------------|------------|-------|---------------------|-------|-------|--------------------|------------|-------|
| | Lower | Mid | Upper | Lower | Mid | Upper | Lower | Mid | Upper |
| Pacific Island States and Territories: | | | | | | | | | |
| American Samoa | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Micronesia (Federated States of) | -- | (116) | -- | -- | -- | -- | -- | (116) | -- |
| Fiji | -- | (117) | -- | -- | -- | -- | -- | (117, 118) | -- |
| French Polynesia | -- | (117) | -- | -- | -- | -- | -- | (30) | -- |
| Guam | -- | (30) | -- | -- | -- | -- | -- | (30) | -- |
| Kiribati | -- | (117, 119) | -- | -- | -- | -- | -- | (117) | -- |
| Marshall Islands | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nauru | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Caledonia | -- | (30) | -- | -- | -- | -- | -- | (30) | -- |
| Palau | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Papua New Guinea | -- | (120, 121) | -- | -- | -- | -- | -- | (122) | -- |
| Samoa | -- | (117) | -- | -- | -- | -- | -- | (117) | -- |
| Solomon Islands | -- | (117) | -- | -- | -- | -- | -- | (117) | -- |
| Tonga | -- | (117) | -- | -- | -- | -- | -- | (117) | -- |
| Tuvalu | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vanuatu | -- | (117) | -- | -- | -- | -- | -- | -- | -- |
| Australasia: | | | | | | | | | |
| Australia | (123) | (123) | (123) | (123) | (123) | (123) | -- | (124) | -- |
| New Zealand | | | | (125) | (125) | (125) | -- | (125) | -- |

Table 6 (D): Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in the Middle East and Africa

| Countries and territories | IDU prevalence (%) | | | 2007 IDU population | | | HIV prevalence (%) | | |
|--------------------------------------|--------------------|-----------------|-------|---------------------|-------|-------|--------------------|-----------------|-------|
| | Lower | Mid | Upper | Lower | Mid | Upper | Lower | Mid | Upper |
| Middle East and North Africa: | | | | | | | | | |
| Algeria | -- | (126, 127) | -- | -- | -- | -- | -- | (111, 127, 128) | -- |
| Bahrain | -- | (129) | -- | -- | -- | -- | (129) | (129) | (129) |
| Cyprus | (11) | (11) | (11) | (11) | (11) | (11) | -- | (130) | -- |
| Egypt | -- | (128, 131-134) | -- | -- | -- | -- | (135) | (135) | (135) |
| Iraq | -- | (30) | -- | -- | -- | -- | -- | -- | -- |
| Israel | -- | (136) | -- | -- | -- | -- | (136) (137) | (136) | (136) |
| Jordan | -- | (128, 138, 139) | -- | -- | -- | -- | -- | (129, 138) | -- |
| Kuwait | -- | (128, 129) | -- | -- | -- | -- | -- | (129) | -- |
| Lebanon | -- | (140) | -- | -- | -- | -- | -- | (128, 140) | -- |
| Libyan Arab Jamahiriya | -- | (132) | -- | -- | (132) | -- | -- | (141) | -- |
| Morocco | -- | (141, 142) | -- | -- | -- | -- | -- | (141) | -- |
| Occupied Palestinian Territories | -- | (132) | -- | -- | -- | -- | -- | (128) | -- |
| Oman | -- | (128) | -- | -- | -- | -- | (128) | (128, 141) | (141) |
| Qatar | -- | (30, 132) | -- | -- | -- | -- | -- | (30, 132) | -- |
| Saudi Arabia | -- | (128, 143) | -- | -- | -- | -- | -- | (128) | -- |
| Sudan | -- | (30) | -- | -- | -- | -- | -- | (128) | -- |
| Syrian Arab Republic | -- | (132) | -- | -- | -- | -- | -- | (128) | -- |
| Tunisia | -- | (128, 132, 144) | -- | -- | -- | -- | -- | (144) | -- |
| Turkey | -- | (10) | -- | -- | -- | -- | (145) | (10, 145) | (10) |
| United Arab Emirates | -- | (132) | -- | -- | -- | -- | -- | -- | -- |
| Yemen | -- | (132) | -- | -- | -- | -- | -- | -- | -- |
| Sub-Saharan Africa: | | | | | | | | | |
| Angola | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Benin | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Botswana | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Burkina Faso | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Burundi | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cameroon | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cape Verde | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Central African Republic | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Chad | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Comoros | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Cote d'Ivoire | -- | (30) | -- | -- | -- | -- | -- | -- | -- |
| Democratic Republic of the Congo | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Djibouti | -- | (30) | -- | -- | -- | -- | -- | (30) | -- |
| Equatorial Guinea | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Eritrea | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Ethiopia | -- | -- | -- | -- | -- | -- | -- | -- | -- |

| | | | | | | | | | |
|-----------------------------|------------|----------------|------------|-------------|------------|-------------|-------------|--------------------|------------|
| Gabon | -- | (30) | -- | -- | -- | -- | -- | -- | -- |
| Gambia | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Ghana | -- | (30) | -- | -- | -- | -- | -- | -- | -- |
| Guinea | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Guinea-Bissau | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Kenya | (146) | (146) | (147) | (146) (148) | (146) | (147) (148) | (149) | (149, 150) | (150) |
| Lesotho | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Liberia | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Madagascar | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Malawi | -- | (151) | -- | -- | -- | -- | -- | -- | -- |
| Mali | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mauritania | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mauritius | (152, 153) | (152, 153) | (152, 153) | (152, 153) | (152, 153) | (152, 153) | -- | (152, 153) | -- |
| Mozambique | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Namibia | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Niger | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nigeria | -- | (154, 155) | -- | -- | -- | -- | (154) (155) | (154) | (154, 155) |
| Republic of the Congo | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rwanda | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sao Tome & Principe | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Senegal | -- | (30) | -- | -- | -- | -- | -- | -- | -- |
| Seychelles | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sierra Leone | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Somalia | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Africa | -- | (156) | -- | -- | (156) | -- | (157) | (157, 158) | (158) |
| Swaziland | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Togo | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Uganda | -- | (30) | -- | -- | -- | -- | -- | -- | -- |
| United Republic of Tanzania | -- | (131, 159-162) | -- | -- | -- | -- | -- | (159, 160, 163) | -- |
| Zambia | -- | (30) | -- | -- | -- | -- | -- | -- | -- |
| Zimbabwe | -- | -- | -- | -- | -- | -- | -- | -- | -- |

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Appendix E: Details of data included in the estimates of the prevalence of injecting drug use and HIV among IDUs

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Eastern Europe

Armenia

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|----|
| Year | 2000 | | |
| Method | Govt estimate – method not detailed | | |
| N= | | | |
| Area | National | | |
| Estimate | 2000 IDU, with 50% of these in the capital city Yerevan | | |
| Reference | (Markosyan, Kocharyan et al. 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | D1 |

Calculation

Prevalence (15-64 years) in 2000 = 2,000/1,975,000 = 0.1013%

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|--|--------------|----|
| Year | 2005 | | |
| Method | not detailed | | |
| Sample type | - | | |
| Seroprev/self rpt | - | | |
| N= | - | | |
| Area | National | | |
| Estimate | 6.8% | | |
| Reference | (Markosyan, Kocharyan et al. 2006) (Republic of Armenia 2007) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | D1 |

High:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2002 | | |
| Method | Second Generation HIV surveillance | | |
| Sample type | not detailed | | |
| Seroprev/self rpt | not detailed | | |
| N= | not detailed | | |
| Area | National | | |
| Estimate | approx 15% (range 11-20%)[use 20% as the high] | | |
| Reference | (Republic of Armenia 2007) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Azerbaijan

Prevalence of injecting drug use

Mid:

| | | | |
|------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Indirect prevalence estimate | | |
| N= | - | | |
| Area | National | | |
| Estimate | <p>From 2004 rapid assessment – survey of IDU: 4.8 of IDU surveyed were officially registered</p> <p>17 714 officially registered drug users estimated 87% (15 411) of these are IDU</p> <p>- If there are 15 411 registered IDU and if 4.8% of IDU are registered – assuming rates of registration are the same in 2004 and 2006 use multiplier of 20 to determine total number of IDU both registered and unregistered = 300 000 IDU</p> | | |
| Reference | <p>(AIDS Projects Management Group 2007)</p> <p>This reference cites: Abdullayev A., Nasibov R. 2004. Rapid Assessment of the situation on the spread of intravenous drug use and HIV/AIDS. Final report. Baku, Azerbaijan. (Nasibov 2005)</p> | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

Low-High:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2004 | | |
| Method | Sentinel Surveillance – multiple sites/different samples | | |
| Sample type | Street sample (snowball method) and treatment sample | | |
| Seroprev/self rpt | sero-sampling | | |
| N= | Baku: 100 treatment sample; 100 street sample Lenkoran: 200 street sample | | |
| Area | 2 cities Baku and Lenkoran | | |
| Estimate | <p>Baku treatment sample – 2% [use as low]</p> <p>Baku street sample – 24% [use as high]</p> <p>Lenkoran street sample – 19.5% [within range]</p> | | |
| Reference | (World Health Organization. Regional Office for Europe 2004) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Belarus

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2005 | | |
| Method | Registered drug users | | |
| N= | | | |
| Area | National | | |
| Estimate | 9 872 registered drug users 63.9% are IDU = 6 308 | | |
| Reference | (AIDS Projects Management Group 2006) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | C |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Government: Belarus Ministry of Health | | |
| Sample type | Government testing | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 3 477 | | |
| Area | assume national | | |
| Estimate | 1.5% | | |
| Reference | (AIDS Projects Management Group 2006) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Bosnia and Herzegovina

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|----|
| Year | 2005 | | |
| Method | Not given | | |
| N= | - | | |
| Area | National | | |
| Estimate | IDU reported to occur – extent not known (Low: 6 000 and High: 10 000 provided but no method given and) | | |
| Reference | (The Country Coordinating Mechanism for the Global Fund in Bosnia-Herzegovina 2005) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | D2 |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 2003 | | |
| Method | - | | |
| Sample type | - | | |
| Seroprev/self rpt | - | | |
| N= | - | | |
| Area | National | | |
| Estimate | HIV has been reported among IDU | | |
| Reference | (United Nations Office on Drugs and Crime 2003) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | |

| | | | |
|--------------------------|--|--------------|--|
| Year | 2005 | | |
| Method | - | | |
| Sample type | - | | |
| Seroprev/self rpt | - | | |
| N= | - | | |
| Area | National | | |
| Estimate | HIV prevalence in specific vulnerable groups (IDUs, CSWs, and MSM) <5% | | |
| Reference | (United Nations Office on Drugs and Crime 2003) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | |

Bulgaria

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2005 | | |
| Method | Indirect prevalence estimate: Multiplier Method Using Treatment Data and a study using the Capture-recapture method, also experts estimations are used and long term observations | | |
| N= | | | |
| Area | National | | |
| Estimate | Problem drug users: L: 20 000 H: 30 000 Capital city Sofia: 11 993 IDU: Capital city Sofia: 9686 | | |
| Reference | (National Focal Point for Drugs and Drug Addictions 2006) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Calculation:

Assume proportion of IDU/DU is the same nationally as in Sofia = $9\ 686 / 11\ 993 = 0.81$

→ National IDU Low = $0.81 \times 20\ 000 = 16\ 200$

→ National IDU High = $0.81 \times 30\ 000 = 24\ 300$

Prevalence (15-64) 2005 Low = $16,200/5,346,000 = 0.3030\%$
High = $24,300/5,346,000 = 0.4545\%$

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Sentinel surveillance | | |
| Sample type | Prison only – 6 sites | | |
| Seroprev/self rpt | sero sample | | |
| N= | 2006: 613 | | |
| Area | National (prison only) | | |
| Estimate | 2006: 0.0 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Sentinel surveillance - multisite | | |
| Sample type | Drug treatment centres, out patient, drug detox, NSP, HIV testing centre, low threshold service, | | |
| Seroprev/self rpt | sero sample | | |
| N= | 2006: 487 | | |
| Area | Capital city only | | |
| Estimate | 2006: 0.8 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Croatia

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|----|
| Year | 2001 | | |
| Method | - | | |
| N= | - | | |
| Area | National | | |
| Estimate | 215/100 000 in total population | | |
| Reference | (United Nations Office on Drugs and Crime 2003) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | D2 |

Calculation

If total population in 2001 = 4 599 000 → 9888 IDU in total in 2001

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 323 | | |
| Area | National (multicity including: Zagreb, Rikeka, Split, Zadar, Slavonski Brod, Osijek & Dubrovnik) | | |
| Estimate | 0.6 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Czech Republic

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | Data sources: Low-threshold facilities. HCV national study – in treatment rate (portion of above mentioned persons in contact with low-threshold facilities, nomination technique used) | | |
| N= | | | |
| Area | National | | |
| Estimate | age range 15-64 29,000 Interval from sensitivity analysis (SI): 25,494-33,823 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2008) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | sentinel surveillance | | |
| Sample type | NSP and low threshold service | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 728 | | |
| Area | National | | |
| Estimate | 0.0 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

High:

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | Sentinel surveillance | | |
| Sample type | STI clinics other hospitals of clinics prisons HIV testing centres | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 994 | | |
| Area | National | | |
| Estimate | 0.1% | | |
| Reference | As cited in (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Estonia

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | Estonian Police Database. Health Insurance Fund. State HIV Reference Laboratory. Capture-recapture. | | |
| N= | | | |
| Area | National | | |
| Estimate | total number of users: median 13801 (95% CI: 8178-34732) prevalence 15-64years old: 1.51% 95% CI: 0.89-3.79% The original age range of study was 15-44, rates have been adjusted to 15-64. | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | Yes | Grade | A |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2005 | | |
| Method | surveillance – single site | | |
| Sample type | drug treatment | | |
| Seroprev/self rpt | sero – dried blood spot | | |
| N= | 350 | | |
| Area | Tallin | | |
| Estimate | 54.3% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2005 | | |
| Method | surveillance | | |
| Sample type | drug treatment | | |
| Seroprev/self rpt | sero – dried blood spot | | |
| N= | 99 | | |
| Area | Kohtla-Jarve | | |
| Estimate | 89.9% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Georgia

Prevalence of injecting drug use

Low:

| | | | |
|------------------------|--|--------------|---|
| Year | 2004 | | |
| Method | Registration of drug users by Ministry of Health – Narcologic Register | | |
| N= | | | |
| Area | National | | |
| Estimate | 14,400 IDU | | |
| Reference | (Akhobadze 2008) Personal communication | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | C |

Calculation:

Prevalence (15-64years) in 2004 = $14,400/3,004,000 = 0.4793\%$

High:

| | | | |
|------------------------|--|--------------|---|
| Year | 2002 | | |
| Method | representative community sample – outpatient clinics | | |
| N= | 2000 | | |
| Area | T'bilisi | | |
| Estimate | 8.1% lifetime injecting (n=162) 7.9% current injecting [definition not given] (n=158) | | |
| Reference | (Stvilia, Tsertsvadze et al. 2006) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | yes | Grade | B |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2004 | | |
| Method | Sentinel surveillance – number of sites and sample types not given | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | National | | |
| Estimate | 1.4% among IDU | | |
| Reference | (Akhobadze 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2001-2002 | | |
| Method | representative community sample – outpatient clinics | | |
| Sample type | general outpatient clinic | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | number of IDU among sample 162 | | |
| Area | T'bilisi | | |
| Estimate | $3/162 = 1.85\%$ | | |
| Reference | (Stvilia, Tsertsvadze et al. 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Hungary

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2005 | | |
| Method | IDUs. Treatment and police data. Capture-recapture. | | |
| N= | - | | |
| Area | National | | |
| Estimate | Median: 3941 Low: 2069 High: 5813 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | Diagnostic testing, 4 sites | | |
| Sample type | Public Health Laboratories, IDU status not known, prevalence in IDU likely to be underestimated | | |
| Seroprev/self rpt | sero | | |
| N= | 69 | | |
| Area | National | | |
| Estimate | 0.0 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Specific prevalence study, 10 sites | | |
| Sample type | NSP, drug treatment centre | | |
| Seroprev/self rpt | Seroprevalence – dried blood spots | | |
| N= | 69 | | |
| Area | National | | |
| Estimate | 0.0 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Latvia

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|--|
| Year | 2002 | | |
| Method | Mortality Multiplier | | |
| N= | | | |
| Area | National | | |
| Estimate | <i>Estimates on problematic drug use available only</i> IDU reported to occur but extent not known | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2003 | | |
| Method | diagnostic testing 2 sites | | |
| Sample type | other hospital or clinics arrest data | | |
| Seroprev/self rpt | serum | | |
| N= | 93 | | |
| Area | National | | |
| Estimate | 9.7% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

High:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2003 | | |
| Method | diagnostic testing | | |
| Sample type | Drug treatment centre other hospital or clinic | | |
| Seroprev/self rpt | - | | |
| N= | 987 | | |
| Area | National | | |
| Estimate | 6.6% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Lithuania

Prevalence of injecting drug use

| | | | |
|------------------------|------------------------------------|--------------|---|
| Year | 2006 | | |
| Method | Registration – drug addicted cases | | |
| N= | | | |
| Area | National | | |
| Estimate | 5,123 IDU | | |
| Reference | (Drug Control Department 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | C |

Calculation

2006 Prevalence (15-64%) of registered IDU = $5,123/2,327,000 = 0.2201\%$

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2003 | | |
| Method | Diagnostic testing | | |
| Sample type | Drug treatment centre, NSP, other hospital or clinic | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 1112 | | |
| Area | National | | |
| Estimate | 2.4% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Moldova

Prevalence of injecting drug use

| | | | |
|-----------------|---|-------|---|
| Year | 2001 | | |
| Method | Registered drug users | | |
| N= | | | |
| Area | National | | |
| Estimate | 0.092% in the general population | | |
| Reference | (United Nations Office on Drugs and Crime 2003) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | C |

Calculation

0.092% in total population of 4,142,000 = 3,810 IDU in 2001

Prevalence among 15-64 year olds in 2001 = $3810/2,715,000 = 0.14\%$

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|--|-------|---|
| Year | 2001 | | |
| Method | surveillance study | | |
| Sample type | drug treatment | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | 17% | | |
| Reference | <i>UNAIDS/UNDP Moldova Project. HIV/AIDS/STIs: situational analysis in Moldova. Chisinau: UNAIDS, 2001</i> As cited in (Kelly and Amirkhanian 2003) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | yes | Grade | B |

Poland

Prevalence of injecting drug use

| | | | |
|-----------------|---|-------|---|
| Year | 2002 | | |
| Method | | | |
| N= | | | |
| Area | National | | |
| Estimate | NB: Estimate of problematic drug users only median: 0.19% (52 000) low: 0.12% (33 000) high: 0.27% (71 000) Injecting drug use known to occur but extent unknown | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|--|-------|---|
| Year | 2006 | | |
| Method | Diagnostic testing | | |
| Sample type | Public Health Laboratories HIV Testing Centres | | |
| Seroprev/self rpt | serum | | |
| N= | 910 | | |
| Area | National | | |
| Estimate | 8.9% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Romania

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|--|
| Year | 2004 | | |
| Method | population survey | | |
| N= | | | |
| Area | Bucharest | | |
| Estimate | Injecting drug use reported to occur but extent not known | | |
| Reference | (Iliuta, Bocioc et al. 2007) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | |

| | | | |
|------------------------|--|--------------|--|
| Year | 2001 | | |
| Method | Rapid assessment data from NGOs, treatment centres, police double counting possible | | |
| N= | | | |
| Area | Bucharest, Constanta, Iasi, Timisoara | | |
| Estimate | IDU reported but extent nationally not known (25,000-40,000 in Bucharest only) | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction & Reitox National Focal Point 2002) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | diagnostic testing; 2 sites | | |
| Sample type | drug treatment centres including: out/inpatient, maintenance, drug free/detox centres | | |
| Seroprev/self rpt | serum | | |
| N= | 136 | | |
| Area | Bucharest | | |
| Estimate | 1.44% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Russian Federation

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|----|
| Year | 2007 | | |
| Method | - | | |
| N= | - | | |
| Area | National | | |
| Estimate | 2.5 million DU and 73% are IDU = 1,825,000 IDU | | |
| Reference | (AIDS Projects Management Group 2007) This reference cites: Ministry of Public Health and the National Research Centre on Addictions | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | D1 |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------------|--------------|-------------------------|
| Year | 2003-2005 | | |
| Method | - | | |
| Sample type | - | | |
| Seroprev/self rpt | - | | |
| N= | - | | |
| Area | multicity | | |
| Estimate | Moscow | 12.41% | 2003 |
| | Pskov | 0.3% | 2003 USE AS LOW |
| | Velikiy Novgorod | 14.9% | 2004 |
| | Cherepovets | 11.5% | 2004 |
| | Biysk | 74% | 2005 USE AS HIGH |
| | Barnaul | 3.5% | 2005 |
| | St. Petersburg | 32% | 2005 |
| Reference | (Borschevskaya and Tumano 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | B |

Slovakia

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Unpublished data | | |
| N= | | | |
| Area | National | | |
| Estimate | Low: 13,732 Mid: 18,841 High: 34,343 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | specific prevalence study | | |
| Sample type | Drug treatment centre | | |
| Seroprev/self rpt | serum | | |
| N= | 79 | | |
| Area | Bratislava and surroundings | | |
| Estimate | 0.0% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) Negligible prevalence of HIV among IDU also confirmed in (Holt 2004) and (Kiššová 2005) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Ukraine

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Multiple indirect estimation methods: Multiplier methods and respondent driven sampling | | |
| N= | - | | |
| Area | National | | |
| Estimate | Low: 325,000 High: 425,000 | | |
| Reference | (Balakiryeva, Gusak et al. 2006) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--------------------------------------|--------------|---|
| Year | 2006 | | |
| Method | Sentinel surveillance | | |
| Sample type | | | |
| Seroprev/self rpt | serum | | |
| N= | | | |
| Area | National | | |
| Estimate | 41.8% | | |
| Reference | (Ministry of Health of Ukraine 2008) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Central Asia

Kazakhstan

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | indirect prevalence estimate Multipliers at province level: percentage of interviewed IDU registered with Narcological Services; provincial estimates added together to produce total country estimate | | |
| N= | 200 people per province [assumed all 14 provinces were included] | | |
| Area | National | | |
| Estimate | 100 000 injecting drug users. | | |
| Reference | (AIDS Projects Management Group 2007; Niaz 2007; Niaz 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Calculation

Prevalence (15-64y) in 2006 = 100,000/10,439,000 = 0.96%

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|-----------------------------|--------------|---|
| Year | 2005 | | |
| Method | CDC Sentinel Surveillance | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | Shimkent | | |
| Estimate | HIV prevalence among IDU 8% | | |
| Reference | (Niaz 2007; Niaz 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2005 | | |
| Method | CDC Sentinel Surveillance | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | Pavlodar [uncertain if province or city referred to] | | |
| Estimate | HIV prevalence among IDU 10.4% | | |
| Reference | (Niaz 2007; Niaz 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Kyrgyzstan

Prevalence of injecting drug use

MID:

| | | | |
|------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | Indirect prevalence estimate Multipliers at province level: percentage of interviewed IDU registered with Narcological Services; Provincial estimates added together to produce total country estimate | | |
| N= | 200 people per province [assumed all 7 provinces were included]; | | |
| Area | National | | |
| Estimate | 25 000 injecting drug users | | |
| Reference | (Niaz 2007; Niaz 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Calculation

Prevalence (15-64y) in 2006 = 25,000/33,573,000 = 0.74%

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|---|--------------|---|
| Year | 2005 | | |
| Method | CDC Sentinel Surveillance for 2005 | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | Bishkek [uncertain if province or city referred to] | | |
| Estimate | HIV prevalence among IDU 2.4% | | |
| Reference | (Niaz 2007; Niaz 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|--------------------------|------------------------------------|--------------|---|
| Year | 2005 | | |
| Method | CDC Sentinel Surveillance for 2005 | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | Osh City | | |
| Estimate | HIV prevalence among IDU 13.6% | | |
| Reference | (Niaz 2007; Niaz 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Tajikistan

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | Indirect prevalence estimate Multipliers at province level: percentage of interviewed IDU registered with Narcological Services; Provincial estimates added together to produce total country estimate | | |
| N= | 200 people per province [assumed all 7 provinces were included]; | | |
| Area | National | | |
| Estimate | 17 000 injecting drug users | | |
| Reference | (Niaz 2007; Niaz 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Calculation

Prevalence (15-64y) in 2006 = 17,000/3,814,000 = 0.45%

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|------------------------------------|--------------|---|
| Year | 2005 | | |
| Method | CDC Sentinel Surveillance for 2005 | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | Khujant City | | |
| Estimate | HIV prevalence among IDU 11.5% | | |
| Reference | (Niaz 2007; Niaz 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|--------------------------|------------------------------------|--------------|---|
| Year | 2005 | | |
| Method | CDC Sentinel Surveillance for 2005 | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | Dushanbe City | | |
| Estimate | HIV prevalence among IDU 17.9% | | |
| Reference | (Niaz 2007; Niaz 2008) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Turkmenistan

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|--|
| Year | 2007 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur | | |
| Reference | (AIDS Projects Management Group 2007) This reference cites: <i>Report No. 32495-KZ Republic of Turkmenistan- Evaluation of National Tuberculosis and HIV/AIDS Programs, World Bank Human Development Sector Unit Central Asia Country Unit Europe and Central Asia Region, June 2005, Accessed 19 July 2007</i> | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2007 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (AIDS Projects Management Group 2007) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Uzbekistan

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | Indirect prevalence estimate Multipliers at province level: percentage of interviewed IDU registered with Narcological Services; Provincial estimates added together to produce total country estimate | | |
| N= | 200 people per province [assumed all 7 provinces were included]; | | |
| Area | National | | |
| Estimate | 80 000 injecting drug users | | |
| Reference | (AIDS Projects Management Group 2007; Niaz 2007; Niaz 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Calculation

Prevalence (15-64y) in 2006 = 80,000/16,977,000 = 0.47%

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|------------------------------------|--------------|---|
| Year | 2005 | | |
| Method | CDC Sentinel Surveillance for 2005 | | |
| Sample type | - | | |
| Seroprev/self rpt | - | | |
| N= | - | | |
| Area | Samarkand City | | |
| Estimate | HIV prevalence among IDU 11.7% in | | |
| Reference | (Niaz 2007; Niaz 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|--------------------------|------------------------------------|--------------|---|
| Year | 2005 | | |
| Method | CDC Sentinel Surveillance for 2005 | | |
| Sample type | - | | |
| Seroprev/self rpt | - | | |
| N= | - | | |
| Area | Tashkent City | | |
| Estimate | HIV prevalence among IDU 19.5% in | | |
| Reference | (Niaz 2007; Niaz 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

East and South East Asia

Brunei Darussalam

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (United Nations Office on Drugs and Crime 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 1998 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Cambodia

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | Expert consensus estimate; Delphi technique | | |
| N= | - | | |
| Area | National | | |
| Estimate | 1,750 IDU (90% CI:1,000-7,000) | | |
| Reference | (National Authority for Combating Drugs 2007) This reference cites: <i>2005 Family Health International (2004). "Consensus Estimates of the Number of Problem Drug Users in Cambodia, 2004."</i> | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | C |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | surveillance – two treatment sites | | |
| Sample type | treatment/harm reduction centre | | |
| Seroprev/self rpt | | | |
| N= | 63 | | |
| Area | - | | |
| Estimate | 14.3% | | |
| Reference | (National Authority for Combating Drugs 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|--------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | surveillance – two treatment sites | | |
| Sample type | treatment/harm reduction centre | | |
| Seroprev/self rpt | | | |
| N= | 32 | | |
| Area | | | |
| Estimate | 31.3% | | |
| Reference | (National Authority for Combating Drugs 2007) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | non peer reviewed | Grade | B |

- ◆ Even though these estimates were for three different years because each of these sample sizes were small it was decided to use these as a range rather than take the most recent estimate.

Within range:

| | | | |
|--------------------------|---|--------------|---|
| Year | 2005 | | |
| Method | surveillance – two treatment sites | | |
| Sample type | treatment/harm reduction centre | | |
| Seroprev/self rpt | | | |
| N= | 31 | | |
| Area | | | |
| Estimate | 16.1% | | |
| Reference | (National Authority for Combating Drugs 2007) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | non peer reviewed | Grade | B |

China

Prevalence of injecting drug use

| | | | |
|-----------------|---------------------------------------|-------|---|
| Year | 2005 | | |
| Method | Indirect prevalence estimate | | |
| N= | | | |
| Area | | | |
| Estimate | Low: 1.8 Million High: 2.9 Million | | |
| Reference | (Lu, Wang et al. 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | Yes | Grade | A |

Calculation

Prevalence (15-64 years) in 2005 = low: 1,800,000/928,743,000 = 0.1938%
= high 2,900,000/928,743,000 = 0.3122%

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|-------------------------------|-------|---|
| Year | 2005 | | |
| Method | UNAIDS Workbook method | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | National | | |
| Estimate | Low: 230,800 High: 344,900 | | |
| Reference | (Lu, Wang et al. 2006) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | Yes | Grade | A |

Calculation:

Low= (low number of IDU living with HIV) / (high number of IDU) = 7.96%

High= (high number of IDU living with HIV) / (low number of IDU) = 19.16%

Mid= (mid number of IDU living with HIV) / ((High number of IDU + low number of IDU)/2) = 12.25%

Democratic People's Republic of Korea

Prevalence of injecting drug use

| | | | |
|------------------------|-------------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data available | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data available | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Indonesia

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | Indirect prevalence estimates: Three different multiplier methods | | |
| N= | | | |
| Area | | | |
| Estimate | Mid: 219,130 Low: 190,460 High: 247,800 | | |
| Reference | (Komisi Penanggulangan AIDS 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Calculation

Prevalence (15-64 years) in 2006 = low: $190,460/151,820,000 = 0.1255\%$
= high $247,800/151,820,000 = 0.1632\%$

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | Multi site, multi samples | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | Low: 31.73% High: 53.26% Within range: 41.09% | | |
| Reference | (Komisi Penanggulangan AIDS 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Japan

Prevalence of injecting drug use

| | | | |
|-----------------|---|-------|----|
| Year | 2004 | | |
| Method | Ministry of Health estimate- not detailed | | |
| N= | | | |
| Area | | | |
| Estimate | 400,000 | | |
| Reference | (United Nations Office on Drugs and Crime 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | D1 |

Calculation

Prevalence (15-64 years) in 2004 = low: $400,000/85,315,000 = 0.4689\%$

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|--|-------|---|
| Year | 2004 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported: 34 PLWHA known to be IDU | | |
| Reference | (United Nations Office on Drugs and Crime 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | - |

Lao PDR

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 2002; 2004; 2005 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Hidalgo 2005) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

| | | | |
|------------------------|--|--------------|--|
| Year | 2002; 2004; 2005 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (United Nations Office on Drugs and Crime, The Lao National Commission for the Drug Control and Supervision et al. 2005) (Family Health International 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|--|
| Year | 2003 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU known to occur (0.09% of reported HIV is due to IDU) | | |
| Reference | (Phimphachanh and Sayabounthavong 2004) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Malaysia

Prevalence of injecting drug use

Low:

| | | | |
|------------------------|--|--------------|---|
| Year | 2002 | | |
| Method | Multiplier methods using self-reported HIV transmission methods from rehabilitation centres, police roundups and mandatory testing, premarital mandatory testing and VCT centres | | |
| N= | | | |
| Area | | | |
| Estimate | 170,000 | | |
| Reference | (Huang and Hussein 2004) As cited in (Reid, Kamarulzaman et al. 2004) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | C |

Low:

| | | | |
|------------------------|--|--------------|---|
| Year | 2002 | | |
| Method | WHO and Ministry of Health consensus meeting | | |
| N= | | | |
| Area | | | |
| Estimate | 170,000 | | |
| Reference | <i>Futures Group 2003</i> As cited in (Reid, Kamarulzaman et al. 2004) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | C |

Calculation

Prevalence (15-64 years) in 2002 = $170,000/15,370,000 = 1.1061\%$

High:

| | | | |
|------------------------|--|--------------|---|
| Year | 2002 | | |
| Method | Multiplier methods using self-reported HIV transmission methods from rehabilitation centres, police roundups and mandatory testing, premarital mandatory testing and VCT centres | | |
| N= | | | |
| Area | | | |
| Estimate | 240,000 | | |
| Reference | (Huang and Hussein 2004) As cited in (Reid, Kamarulzaman et al. 2004) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | C |

High:

| | | | |
|------------------------|---|--------------|---|
| Year | 2002 | | |
| Method | WHO and Ministry of Health consensus meeting | | |
| N= | | | |
| Area | | | |
| Estimate | 240,000 | | |
| Reference | <i>Futures Group 2003</i> As cited in (Reid, Kamarulzaman et al. 2004) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | C |

Calculation

Prevalence (15-64 years) in 2004 = $240,000/15,370,000 = 1.5614\%$

Prevalence of HIV amongst people who inject drugs

MID

| | | | |
|--------------------------|--|--------------|---|
| Year | 2002 | | |
| Method | Sentinel surveillance | | |
| Sample type | 27 drug rehabilitation centres and 33 prisons | | |
| Seroprev/self rpt | | | |
| N= | 50,351 | | |
| Area | National | | |
| Estimate | 10.3% In 2000- 19.6% (N=9,500) In 2001- 13.2% (N=35,763) | | |
| Reference | (Government Malaysia 2005) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Mongolia

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | Limited amount of injecting reported to occur | | |
| Reference | (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | C |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|----------------------------------|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV as yet unreported among IDU | | |
| Reference | (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | C |

Myanmar

Prevalence of injecting drug use

Low & High

| | | | |
|------------------------|---|--------------|---|
| Year | 2007 | | |
| Method | Consensus estimates from a Multi-stakeholder estimation workshop involving Ministry of Health, WHO, UNAIDS, and NGOs working in Myanmar | | |
| N= | | | |
| Area | | | |
| Estimate | Low: 60,000 High: 90,000 | | |
| Reference | (Miller 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | C |

| | | | |
|------------------------|--|--------------|----|
| Year | 2006 | | |
| Method | Department of Health estimate | | |
| N= | | | |
| Area | | | |
| Estimate | 60,000 | | |
| Reference | (United Nations Regional Task Force on Injecting Drug Use and HIV/AIDS in Asia and the Pacific 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | D1 |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | Consensus estimates from a Multi-stakeholder estimation workshop involving Ministry of Health, WHO, UNAIDS, and NGOs working in Myanmar | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | 42.6% | | |
| Reference | (Miller 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | C |

Republic of Korea

Prevalence of injecting drug use

| | | | |
|------------------------|------------------------------|--------------|--|
| Year | 2002 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported, extent unknown | | |
| Reference | (Reid and Costigan 2002) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 2002 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported (2 known cases in 2002) | | |
| Reference | (Reid and Costigan 2002) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Philippines

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur | | |
| Reference | (National Epidemiology Center 2005) (Global Fund 2006) (Philippine National AIDS Council 2005) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2005 | | |
| Method | sentinel surveillance, | | |
| Sample type | purposive sampling – recruitment otherwise not detailed | | |
| Seroprev/self rpt | sero | | |
| N= | 243 | | |
| Area | Cebu City | | |
| Estimate | 1% | | |
| Reference | (National Epidemiology Center 2005) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Singapore

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known. Heroin and buprenorphine injection known to occur | | |
| Reference | (United Nations Office on Drugs and Crime 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 1998 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Taiwan

Prevalence of injecting drug use

| | | | |
|-----------------|--|-------|---|
| Year | 2007 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported | | |
| Reference | (Centres for Disease Control R.O.C. (Taiwan) 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

LOW:

| | | | |
|-------------------|--|-------|----|
| Year | 2004 | | |
| Method | None detailed | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | 2% | | |
| Reference | (Centres for Disease Control R.O.C. (Taiwan) 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | D1 |

HIGH:

| | | | |
|-------------------|--|-------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | Single population- 1 site (detox center) | | |
| Seroprev/self rpt | | | |
| N= | 192 | | |
| Area | | | |
| Estimate | 25.6% | | |
| Reference | (Cheng, Chu et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | B |

Thailand

Prevalence of injecting drug use

| | | | |
|-----------------|---|-------|----|
| Year | 2001 | | |
| Method | None described | | |
| N= | | | |
| Area | | | |
| Estimate | 160,528 | | |
| Reference | (Global Fund 2007) (Global Fund 2003) (Human Rights Watch 2004) All these references cite <i>Thai Epidemiology Working Group</i> | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | D1 |

Calculation

Prevalence (15-64 years) in 2001 = $160,528/42,796,000 = 0.3751\%$

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|--------------------------------------|-------|---|
| Year | 2004 | | |
| Method | Sentinel surveillance | | |
| Sample type | Single population- treatment centres | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | 42.5% | | |
| Reference | (World Health Organization 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | B |

Timor Leste

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2005 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur but no estimate of extent (use among university sample reported). | | |
| Reference | (Devaney, Reid et al. 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-----------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No reports of HIV among IDU | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Viet Nam

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|----|
| Year | 2005 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | 180,406 drug users were reported, 75% will be IDUs. = 135,305 IDU | | |
| Reference | (Global Fund 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | no | Grade | D1 |

Calculation

Prevalence (15-64 years) in 2005= 135,305/55,102,000 = 0.2456%

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Sentinel surveillance | | |
| Sample type | Rehabilitation center populations | | |
| Seroprev/self rpt | | | |
| N= | Hanoi (N= 296) Hai Phong (N=301) Quang Ninh (N=266) Da Nang (N=274) HCMC (N=296) Can Tho (N=299) An Giang(N=300) | | |
| Area | Multi-city | | |
| Estimate | Hanoi- 23.9% Hai Phong- 65.8% USE AS HIGH Quang Ninh- 58.7% Da Nang- 1.9% USE AS LOW HCMC- 34.0% Can Tho- 36.6% An Giang-13.3% | | |
| Reference | (Ministry of Health 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | B |

South Asia

Afghanistan

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2005 | | |
| Method | Comparison between estimates of drug use provided by key informants and estimates provided by drug users | | |
| N= | 1480 key informants and 1393 drug users were interviewed in provincial capitals, district centres and villages | | |
| Area | National | | |
| Estimate | <ul style="list-style-type: none"> ▪ 49,536 heroin users in the country in total ▪ Urban male: 19698(40%); Urban female: 1968(4%); Urban child: 13(<1%) ▪ Rural Male: 26103(53%); Rural female: 1500(3%); Rural child: 256(1%) ▪ 15% of male heroin users inject ▪ <1% of female heroin users in Kabul inject | | |
| Reference | (United Nations Office on Drugs and Crime 2005) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Calculation:

Heroin injectors based on figures in *(United Nations Office on Drugs and Crime 2005)*:

- Assuming 15% of 45,801 male heroin users inject= 6870
- Assuming 15% of 269 'child' heroin users inject = 40
- Assuming 1% of 1,968 female heroin users inject = 20
- Assuming 0% of rural female heroin users inject

→ **High = 6,930**

- Assuming 0% of 'child' and female heroin users inject

→ **Low = 6,870**

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|---|--------------|---|
| Year | 2005-2006 | | |
| Method | cross sectional study convenience sample-accessed via outreach workers IDUs who had injected in the past 6 months | | |
| Sample type | street outreach, male IDU | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 464 | | |
| Area | Kabul | | |
| Estimate | 3% 95% CI: 1.7% - 5.1% | | |
| Reference | (Todd, Abed et al. 2007) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | yes | Grade | B |

Bangladesh

Prevalence of injecting drug use

Low:

| | | | |
|------------------------|---|--------------|---|
| Year | 2005 | | |
| Method | consensus estimate | | |
| N= | | | |
| Area | National | | |
| Estimate | 20,000 – 40,000 | | |
| Reference | (Reddy 2005) (Azim, Chowdhury et al. in press) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | yes | Grade | C |

Calculations:

Prevalence (15-64 years) = 20,000/93,941,000 = 0.0213%

Prevalence (15-64 years) = 40,000/93,941,000 = 0.0426%

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | sentinel surveillance IDU from 18 cities IDU = those who injected in the past year all 15 years or older | | |
| Sample type | Drop in centres, Out reach | | |
| Seroprev/self rpt | serum | | |
| N= | 4,095 male IDU 121 female IDU | | |
| Area | National | | |
| Estimate | National: male 1.9% Use as HIGH National: female 0.8% Use as LOW (Dhaka overall 7%) | | |
| Reference | (Azim, Rahman et al. 2008) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | yes | Grade | A |

HIV epidemic among IDU is concentrated in one area in Central Dhaka.

Bhutan

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2007 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | Injection of heroin, propoxyphene and buprenorphine reported. 37/200 DU reported ever having injected | | |
| Reference | (United Nations Office on Drugs and Crime: Regional Office for South Asia 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|----------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU not reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

India

Prevalence of injecting drug use

Low:

| | | | |
|------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Indirect prevalence estimate Mapping and size estimation exercise | | |
| N= | - | | |
| Area | National | | |
| Estimate | Total: 106,518 (male: 96,463) (female: 10,055) | | |
| Reference | (Resource Centre for Sexual Health and AIDS (RCSHA) 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Calculations

Prevalence (15-64 years) = $106,518/718,877,000 = 0.0148\%$

High:

| | | | |
|------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | Indirect prevalence estimate | | |
| N= | - | | |
| Area | National | | |
| Estimate | Total: 223,121 (male: 189,729) (female: 33,392) | | |
| Reference | (Resource Centre for Sexual Health and AIDS (RCSHA) 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Calculations

Prevalence (15-64 years) = $223,121/718,877,000 = 0.0310\%$

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2004 | | |
| Method | Sentinel surveillance | | |
| Sample type | treatment centres (drug de-addiction centres), targeted intervention sites | | |
| Seroprev/self rpt | serum | | |
| N= | 4,978 (male= 4550 female=428) | | |
| Area | National | | |
| Estimate | 11.15% (male= 11.65 female= 5.84) | | |
| Reference | (National AIDS Control Organization 2006) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Iran

Prevalence of injecting drug use

Use as Mid:

| | | | |
|------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | indirect prevalence estimate from Rapid situation assessment - looked at street drug users only | | |
| N= | - | | |
| Area | National | | |
| Estimate | 180,000 [→ prev (15-64y 2004) = 0.39922%] | | |
| Reference | (Mokri and Schottenfeld 2007) This reference sites: <i>Narenjiha, H. (2005) Rapid Situation Assessment of Drug Abuse and Drug Dependence in Iran. Unpublished manuscript [in Persian], Darius Institute.</i> | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Excluded: More recent data of equal grade is available

| | | | |
|------------------------|--|--------------|---|
| Year | 1998 | | |
| Method | indirect prevalence estimate from Rapid situation assessment - number of receiving drug treatment - multiplier: percentage of registered drug users reporting participation in drug treatment - 16% of DU = IDU | | |
| N= | - | | |
| Area | National | | |
| Estimate | 166,000 [→ prev (15-64y 1998) = 0.44705%] | | |
| Reference | (Mokri and Schottenfeld 2007) This reference sites: <i>Razzaghi, E. M., Rahimi, A., Hosseini, M., Madani, S., & Chatterjee, A. (1999). Rapid Situation Assessment (RSA) of Drug Abuse in Iran (1998-1999). Prevention Department, State Welfare Organization, Ministry of Health, I. R. of Iran, and United Nations International Drug Control Program.</i> | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Excluded as higher grade data available

| | | | |
|------------------------|--|--------------|---|
| Year | 2001 | | |
| Method | Adjusted population estimate Ministry of health Based on emergency room visits | | |
| N= | - | | |
| Area | National | | |
| Estimate | 137,000 [→ prev (15-64y 2001) = 0.33178%] | | |
| Reference | (Mokri and Schottenfeld 2007) This reference sites: <i>Yassami, M. T. (2002) Epidemiology of Drug Abuse in the Islamic Republic of Iran. Unpublished manuscript [in Persian]. Islamic Republic of Iran Ministry of Health and Medical Education; Drug Control Headquarters.</i> | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------------------|--------------|---|
| Year | 2005 | | |
| Method | Surveillance | | |
| Sample type | unknown | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | - | | |
| Area | National | | |
| Estimate | 5%-25% regional variation | | |
| Reference | (Centre for Diseases Management 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Maldives

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2003, 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur (8% of drug users reported injecting) - extent not known | | |
| Reference | (The Foundation for Advancement of Self Help in Attaining Needs (FASHAN) and Narcotics Control Board (NCB) of Maldives 2003) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV as yet unreported among IDU | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Nepal

Prevalence of injecting drug use

Low:

| | | | |
|------------------------|---|--------------|---|
| Year | 2003 | | |
| Method | indirect estimate mapping exercise | | |
| N= | | | |
| Area | National | | |
| Estimate | 16,100 | | |
| Reference | (National Centre for AIDS and STD Control 2004) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Calculations:

Prevalence (15-64years) = 16,100/14,717,000 = 0.1094%

High:

| | | | |
|------------------------|---|--------------|---|
| Year | 2003 | | |
| Method | indirect estimate mapping exercise | | |
| N= | - | | |
| Area | National | | |
| Estimate | 28,000 | | |
| Reference | (National Centre for AIDS and STD Control 2004) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Calculations:

Prevalence (15-64years) = 28,000/14,717,000 = 0.1903%

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2003 | | |
| Method | Sentinel surveillance population weighted prevalence | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | National | | |
| Estimate | 30.22%-52.56% | | |
| Reference | (National Centre for AIDS and STD Control 2004) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Pakistan

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | Indirect prevalence estimate | | |
| N= | | | |
| Area | National | | |
| Estimate | 0.14% among 15-64 year olds 125,000 – 150,000 (NWFP = 0.06 = 7,000 Punjab = 0.2 = 100,000 Sind = 0.2 = 42,000 Baluchistan = 0.1 = 4,400) | | |
| Reference | (Ministry of Narcotics Control, Anti-Narcotics Force et al. 2007) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2005 | | |
| Method | sentinel surveillance | | |
| Sample type | time location cluster sampling | | |
| Seroprev/self rpt | sero | | |
| N= | 1779 | | |
| Area | National | | |
| Estimate | 10.8% (not weighted for population or regional variation see below) 95% CI = 9.6-12.1% | | |
| Reference | (National AIDS Control Program 2005; Ministry of Narcotics Control, Anti-Narcotics Force et al. 2007) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Sri Lanka

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Reid and Costigan 2002) (Kumar 2006) (Fernando and Bridger 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Fernando and Bridger 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Caribbean

Antigua and Barbuda

Prevalence of injecting drug use

| | | | |
|------------------------|--------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Bahamas

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 1998 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Barbados

Prevalence of injecting drug use

| | | | |
|------------------------|--------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Bermuda

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Commonwealth of Puerto Rico

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2002 | | |
| Method | Multiple Indirect Prevalence Estimation Method | | |
| N= | | | |
| Area | | | |
| Estimate | 1.15% | | |
| Reference | (Brady, Friedman et al. 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-----------------------------|--------------|---|
| Year | 1998-2001 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | 12.9% | | |
| Reference | (Reyes, Robles et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | A |

Cuba

Prevalence of injecting drug use

| | | | |
|------------------------|---------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|----------------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (World Health Organization 2004) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Dominica

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (Inter-American Observatory on Drugs 2004) (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Dominican Republic

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 1998 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Grenada

Prevalence of injecting drug use

| | | | |
|------------------------|--------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Haiti

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|--|
| Year | 2007 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (CAREC 2007) (Inter-American Observatory on Drugs 2004) (Hepburn and Lawitz 2004) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) (World Health Organization 2003) (Gaillard, Boulos et al. 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Jamaica

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 2007 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|--|
| Year | 2004, 2005, 2006, 2007 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (CAREC 2007) (Figueroa 2004) (Vickers, Alveranga et al. 2005) (National HIV/STD Control Programme 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Saint Kitts and Nevis

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (Inter-American Observatory on Drugs 2004) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Saint Lucia

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (Inter-American Observatory on Drugs 2004) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Saint Vincent & Grenadines

Prevalence of injecting drug use

| | | | |
|------------------------|--------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Trinidad and Tobago

Prevalence of injecting drug use

| | | | |
|------------------------|------------------------------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (Djumalieva, Imamshah et al. 2002) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No Data | | |
| Reference | (CAREC 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Latin America

Argentina

Prevalence of injecting drug use

Low:

| | | | |
|------------------------|---|--------------|----|
| Year | 1999 | | |
| Method | Government estimate | | |
| N= | | | |
| Area | | | |
| Estimate | 64,500 | | |
| Reference | <i>Bloch C, Procupet A, Kaufmann R, Tecilla E. Perfil epidemiológico de los usuarios de drogas inyectables enfermos de SIDA en la Argentina. In: Boletín sobre el SIDA en la República Argentina Año VII, no. 19. Ministerio de Salud, Unidad Coordinadora Ejecutora VIH/SIDA y ETS, Setiembre 2000. As cited in (Rodríguez, Marques et al. 2002)</i> | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | D1 |

Calculation

Prevalence (15-64years) = $64,500/22,611,000 = 0.2853\%$

High:

| | | | |
|------------------------|--|--------------|----|
| Year | 1999 | | |
| Method | Government estimate- not detailed | | |
| N= | | | |
| Area | | | |
| Estimate | 67,158 | | |
| Reference | <i>Estudio nacional sobre sustancias adictivas, Argentina. Buenos Aires: Secretaría de Programación para la Prevención de la Drogadicción y Lucha contra el Narcotráfico, 1999. As cited in (Sosa-Estani, Rossi et al. 2003)</i> | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | D1 |

Prevalence (15-64years) = $67,158/22,611,000 = 0.2970\%$

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 1987-1999 | | |
| Method | Literature review | | |
| Sample type | Multi sample- Outpatient, Prisoner, Children in rehabilitation centres, hospitals and treatment samples | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | | | |
| Area | | | |
| Estimate | High: 64% (Outpatient sample) Low: 35.4% (Prisoner sample) | | |
| Reference | (Sosa-Estani, Rossi et al. 2003) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | A |

Within range:

| | | | |
|--------------------------|------------------------------------|--------------|---|
| Year | 2001 | | |
| Method | Street recruited snowball sample | | |
| Sample type | Single population- street IDU | | |
| Seroprev/self rpt | | | |
| N= | 174 | | |
| Area | Buenos Aires | | |
| Estimate | 44.25% | | |
| Reference | (Weissenbacher, Rossi et al. 2003) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | B |

Belize

Prevalence of injecting drug use

| | | | |
|------------------------|-------------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No reports of IDU | | |
| Reference | (Manzanero 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No reports of HIV among IDU | | |
| Reference | (Pan American Health Organization 2004) (CAREC 2007) (Manzanero 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Bolivia

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 2003 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Pan American Health Organization 2004) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 2003 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No reports of HIV among IDU | | |
| Reference | (Pan American Health Organization 2004) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Brazil

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|----|
| Year | 2003 | | |
| Method | Government estimate | | |
| N= | - | | |
| Area | National | | |
| Estimate | 800,000 IDU = use in the last 12 months | | |
| Reference | (Coordenação Nacional de DST e AIDS 2003) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | D1 |

Calculation:

Prevalence of IDU (15-64 years) = 800,000/119,476,000 = 0.6696%

HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2000 | | |
| Method | Multicentre survey | | |
| Sample type | multiple | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | multicity | | |
| Estimate | Regional differences pronounced 18-34% in cities in Sao Paulo 48.5-78% in cities in far south USE 78% as HIGH USE 18% as LOW | | |
| Reference | <i>Caiaffa TW, Proietti AF, Marques LF, Doneda D, Proietti AB, Mingotti S, Deslandes S. Prevenção do HIV em Populações em UD's e Projeto Ajude-Brasil. In: Consumo de drogas desafios e perspectivas. Mesquita F, Seibel S (editors). São Paulo, Brazil Hucitec; 2000. As cited in (Rodriguez, Marques et al. 2002)</i> | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | yes | Grade | A |

Within range:

| | | | |
|--------------------------|---|--------------|---|
| Year | 2000-2001 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | Port Alergre, Itajai | | |
| Estimate | High: 64.3% Low: 31.0% | | |
| Reference | <i>Caiaffa WT, Proietti FA, Carneiro-Proietti AB, Mingoti SA, Doneda D, Gandolfi D, et al. Epidemiological Study of Injection Drug Users in Brazil (AjUDE-Brasil Project). The dynamics of the Human Immunodeficiency Virus epidemics in the south of Brazil: Increasing role of injection drug users. Clinical Infectious Diseases. 2003; 37(Suppl 5):S376–81. As cited in (Hacker, Malta et al. 2005)</i> | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | D |

| | | | |
|--------------------------|--|--------------|---|
| Year | 1995-1997 | | |
| Method | State testing site, drug treatment centres, outpatient services | | |
| Sample type | Multisite | | |
| Seroprev/self rpt | | | |
| N= | 203 | | |
| Area | | | |
| Estimate | 57.1% | | |
| Reference | (Pechansky, Kessler et al. 2005) (Pechansky, Woody et al. 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | A |

Chile

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|----|
| Year | 2006 | | |
| Method | - | | |
| N= | - | | |
| Area | National | | |
| Estimate | Lifetime injection 0.38% 15-64 year olds | | |
| Reference | (Consejo Nacional Para El Control De Estupefacients (CONACE) 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | D1 |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2005 | | |
| Method | - | | |
| Sample type | - | | |
| Seroprev/self rpt | - | | |
| N= | - | | |
| Area | - | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Global Fund 2002) (Comision Nacional de Sida-Conasida 2005) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | - | Grade | - |

Colombia

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 1999 | | |
| Method | - | | |
| N= | - | | |
| Area | Bogotá | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | <i>Mejía Motta, IE. La Inyección de Drogas en Bogotá: una realidad oculta. Santa Fe de Bogotá: Presidencia de la República de Colombia; 2003. (Part of the WHO Multicentre Study) As cited in (Hacker, Malta et al. 2005)</i> | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | yes | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 1999 | | |
| Method | survey of IDU | | |
| Sample type | | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | | | |
| Area | Bogotá | | |
| Estimate | <2% used zero as lower and 2% as upper limit – median 1% | | |
| Reference | <i>Mejía Motta, IE. La inyección de drogas en Bogotá: una realidad oculta. Santa Fe de Bogotá: Presidencia de la República de Colombia; 2003. (Part of the WHO Multicentre Study) As cited in (Hacker, Malta et al. 2005)</i> | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | yes | Grade | B |

Costa Rica

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 1998 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Ecuador

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 1998 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

El Salvador

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Pan American Health Organization 2004) (Soto, Ghee et al. 2007) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | yes | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 2004 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent no known | | |
| Reference | (Pan American Health Organization 2004) (Soto, Ghee et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Guatemala

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2004, 2007 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known (1.3% MSM past year IDU; 1.3% FSW past year IDU) | | |
| Reference | (Pan American Health Organization 2004) (Soto, Ghee et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 2004 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent no known | | |
| Reference | (Pan American Health Organization 2004) (Soto, Ghee et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Guyana

Prevalence of injecting drug use

| | | | |
|-----------------|---------------------------------|-------|---|
| Year | 1999 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU not reported | | |
| Reference | (Persaud, Klaskala et al. 1999) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | yes | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|---------|-------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No data | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Honduras

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2002 | | |
| Method | - | | |
| N= | - | | |
| Area | - | | |
| Estimate | IDU reported to occur – extent not known (1.2% MSM past year IDU; 3.3% FSW past year IDU) | | |
| Reference | (Ramon, Alvarenga et al. 2002) | | |
| 1° or 2° source | - | | |
| Peer reviewed | yes | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent no known | | |
| Reference | (Ramon, Alvarenga et al. 2002) (Pan American Health Organization 2004) (Soto, Ghee et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Mexico

Prevalence of injecting drug use

| | | | |
|-----------------|---|-------|---|
| Year | 2005 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Rodriguez, Marques et al. 2002) (Bravo-García, Magis-Rodríguez et al. 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|-------------------|------------------------------|-------|---|
| Year | 2005 | | |
| Method | Respondent driven sampling | | |
| Sample type | | | |
| Seroprev/self rpt | Serum | | |
| N= | 207 | | |
| Area | Tijuana | | |
| Estimate | 1.9% | | |
| Reference | (Frost, Brouwer et al. 2006) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | yes | Grade | B |

High:

| | | | |
|-------------------|------------------------------|-------|---|
| Year | 2005 | | |
| Method | Respondent driven sampling | | |
| Sample type | | | |
| Seroprev/self rpt | - | | |
| N= | 197 | | |
| Area | Cd Juarez | | |
| Estimate | 4.1% | | |
| Reference | (Frost, Brouwer et al. 2006) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | yes | Grade | B |

Within range:

| | | | |
|-------------------|--|-------|---|
| Year | 2007 | | |
| Method | Respondent driven sampling | | |
| Sample type | | | |
| Seroprev/self rpt | Serum | | |
| N= | 1052 | | |
| Area | Tijuana | | |
| Estimate | 4% → adjusted for potential effect from sampling strategy = 2.3% | | |
| Reference | (Strathdee, Morgan et al. 2007) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | yes | Grade | B |

Nicaragua

Prevalence of injecting drug use

| | | | |
|-----------------|--|-------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|---|-------|----|
| Year | 2000 [by default using the year of publication of source article] | | |
| Method | - | | |
| Sample type | - | | |
| Seroprev/self rpt | - | | |
| N= | 25 | | |
| Area | Managua | | |
| Estimate | 6.0% | | |
| Reference | <i>Díaz RMM, Salgado ZG. Sífilis, hepatitis B y VIH em um cartel de expendio de drogas em Manágua, Nicarágua. In: Anais do Fórum 2000, Vol 1. Conferencia Latinoamericana y del Caribe-Forum 2000: 2000 Nov 6–10; Rio de Janeiro; 2000. P. 234. As cited in (Hacker, Malta et al. 2005)</i> | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | Yes | Grade | D1 |

Panama

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|--|
| Year | 2004, 2007 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Pan American Health Organization 2004) (Soto, Ghee et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 2004, 2007 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent no known | | |
| Reference | (Pan American Health Organization 2004) (Soto, Ghee et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Paraguay

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur –extent not known | | |
| Reference | (Programa nacional de Control de SIDA/ITS Paraguay (PRONASIDA) 2006) (Programa nacional de Control de SIDA/ITS Paraguay (PRONASIDA) 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

Low

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | - | | |
| Sample type | current and former IDU | | |
| Seroprev/self rpt | Serum | | |
| N= | 164 | | |
| Area | Central Region and Asuncion, | | |
| Estimate | 3.7% | | |
| Reference | (Programa nacional de Control de SIDA/ITS Paraguay (PRONASIDA) 2006) (Programa nacional de Control de SIDA/ITS Paraguay (PRONASIDA) 2006) This reference cites other studies but no details | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | serum | | |
| N= | 70 | | |
| Area | Asuncion (city) | | |
| Estimate | 15% | | |
| Reference | (Programa nacional de Control de SIDA/ITS Paraguay (PRONASIDA) 2006) (Programa nacional de Control de SIDA/ITS Paraguay (PRONASIDA) 2006) This reference cites other studies but no details | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Within Range:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | - | | |
| Sample type | - | | |
| Seroprev/self rpt | serum | | |
| N= | 99 | | |
| Area | - | | |
| Estimate | 9.1% | | |
| Reference | (Programa nacional de Control de SIDA/ITS Paraguay (PRONASIDA) 2006) (Programa nacional de Control de SIDA/ITS Paraguay (PRONASIDA) 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Peru

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Hacker, Malta et al. 2005) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 1994-1995 | | |
| Method | Part of a national survey (all the detail that is given) | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | National | | |
| Estimate | 13% | | |
| Reference | (Hacker, Malta et al. 2005) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | D |

Suriname

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

Mid

| | | | |
|--------------------------|--|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No reports of HIV among IDU | | |
| Reference | (National Anti-Drug Council Suriname 2002) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Uruguay

Prevalence of injecting drug use

| | | | |
|-----------------|--|-------|--|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Woratanarat 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|---|-------|--|
| Year | 2002 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Rodriguez, Marques et al. 2002) (UNAIDS 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | |

Venezuela

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 1998 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Oceania

American Samoa

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No data | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Australia

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2005 | | |
| Method | Indirect: IDU estimated through a mathematical model of HCV transmissions based on a standard percentage increase in IDU annually | | |
| N= | | | |
| Area | National | | |
| Estimate | Absolute number: High-204,564 Low-89,253 Median-149,591 Prevalence: 1.07% (0.67-1.46) | | |
| Reference | (Razali, Thein et al. 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | Yes | Grade | A |

Calculations Prevalence (15-64years) Low = $89,253 / 13,683,000 = 0.6523\%$
 Median = $149,591 / 13,683,000 = 1.0933\%$
 High = $204,564 / 13,683,000 = 1.4950\%$

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Sentinel surveillance- multi-site treatment centres | | |
| Sample type | Single population- treatment centre | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 1,897 | | |
| Area | National | | |
| Estimate | 1.5% Prevalence Absolute number of IDUs with HIV: 2,245 | | |
| Reference | (National Centre in HIV Epidemiology and Clinical Research 2008) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Federated States of Micronesia

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 2005 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (UNGASS 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|--|
| Year | 2005 | | |
| Method | Sentinel surveillance | | |
| Sample type | General population surveillance | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | | | |
| Area | National | | |
| Estimate | 1 case of HIV from IDU but little HIV in the country | | |
| Reference | (UNGASS 2006) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | No | Grade | |

Fiji

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|--|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur (among male high risk populations) – extent not known | | |
| Reference | (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|----------------------------------|--------------|--|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | (World Health Organization 2006) | | |
| Estimate | 1 case of HIV from IDU | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | |

| | | | |
|--------------------------|---|--------------|--|
| Year | 2005 | | |
| Method | Expert opinion | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | National | | |
| Estimate | IDU listed as a marginal route of transmission with no clear estimates possible | | |
| Reference | (Pontali 2008) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | |

French Polynesia

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 1998 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Guam

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 1998 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Kiribati

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur (among male high risk populations) – extent not known | | |
| Reference | (World Health Organization 2006) (Wang, Cliffe et al. 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|----------------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV as yet unreported among IDU | | |
| Reference | (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Marshall Islands

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV as yet unreported among IDU | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Nauru

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV as yet unreported among IDU | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

New Caledonia

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 1998 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

New Zealand

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | Absolute number: High- 26,792 Low- 13,535 Median- 20,163 Prevalence: 0.72 (0.49, 0.96) | | |
| Reference | (Wilkins, Girling et al. 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | B |

Calculations Prevalence (15-64 years)

Median = 20,163/ 2,754,000 = 0.7321%

Low = 13,535/ 2,754,000 = 0.4915%

High = 26,792/ 2,754,000 = 0.9728%

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--------------------------------|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | Self report | | |
| N= | | | |
| Area | | | |
| Estimate | 1.6% | | |
| Reference | (Wilkins, Girling et al. 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | B |

Palau

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV as yet unreported among IDU | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Papua New Guinea

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known (thought to be very low) | | |
| Reference | (McDonald 2005) (AusAID 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported to occur – extent unknown | | |
| Reference | (McBride 2005) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Samoa

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|----|
| Year | 2004-2005 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | 0.0 | | |
| Reference | (Ministries of Health: Fiji Kiribati Samoa Solomon Islands Tonga and Vanuatu 2006) (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | D1 |

Solomon Islands

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 2004-2005 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|----------------------------------|--------------|---|
| Year | 2004-2005 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | 0 | | |
| Reference | (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | D |

Tonga

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur (among young people) – extent not known | | |
| Reference | (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|----------------------------------|--------------|---|
| Year | 2004-2005 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | 0.0 | | |
| Reference | (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | D |

Tuvalu

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Vanuatu

Prevalence of injecting drug use

| | | | |
|-----------------|---|-------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur (among young people) – extent not known | | |
| Reference | (World Health Organization 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|--|-------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Canada and the United States

Canada

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | 1.3% Lifetime IDU for 15-64 age group Lower estimate: 1.0% Upper estimate: 1.7% | | |
| Reference | (Ialomiteanu 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | B |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Sentinel Surveillance | | |
| Sample type | | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | | | |
| Area | | | |
| Estimate | Lower estimate: 2.9% Higher estimate: 23.8% | | |
| Reference | (Public Health Agency of Canada 2006) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

United States

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2002 | | |
| Method | Multiple indirect prevalence estimation methods | | |
| N= | | | |
| Area | | | |
| Estimate | 0.961% among those 15-64 years Lower range: 0.67% Upper range: 1.34% | | |
| Reference | (Brady, Friedman et al. 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2003 | | |
| Method | Indirect prevalence estimate | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | (1) Estimate of HIV positive persons in US: 925,000-1,185,000 (2) Estimated persons living with HIV through IDU as at 2005: 24.8% (117,843) -Assume 24.8% of all HIV positive persons are IDU= 229,400-293,800 HIV+IDU -Inferred HIV prevalence among IDU from % past year IDU (6) and total estimated IDU with HIV Lower Estimate: 8.7% Upper Estimate: 22.4% | | |
| Reference | (Glynn and Rhodes 2005) (Brady, Friedman et al. 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Western Europe

Albania

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------------------------|--------------|---|
| Year | 2004 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2007 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Andorra

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2004 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2007 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Austria

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2000 | | |
| Method | Multiplier methods from police, treatment and mortality data; Back calculations, methadone consumption | | |
| N= | NA | | |
| Area | National | | |
| Estimate | 17,500 (range 12,000-23,000) | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 112 | | |
| Area | | | |
| Estimate | 7.1% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Belgium

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 1997 | | |
| Method | Multiplier methods from police, treatment and mortality data; Back calculations, methadone consumption | | |
| N= | | | |
| Area | National | | |
| Estimate | Absolute number: 25,800 (range 23,200-28,400) | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No national data available; regional data ranged from 5.7% in Antwerp (Ref 8) to 2.9% in 'Flemish Community' | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Denmark

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 1996 | | |
| Method | | | |
| N= | | | |
| Area | National | | |
| Estimate | Low: 12,372 High: 18,460 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 188 | | |
| Area | 5 site study | | |
| Estimate | 2.1% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Finland

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2002 | | |
| Method | | | |
| N= | | | |
| Area | National | | |
| Estimate | Mid: 15,650 Low: 12,200 High: 19,700 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 1486 | | |
| Area | | | |
| Estimate | 0.2 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

France

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 1999 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | Absolute number: 122,000 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2003 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 8385 | | |
| Area | National | | |
| Estimate | 12.2% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Former Yugoslav Republic of Macedonia

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2004 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Germany

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2005 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | Mid: 94,250 Low: 78,000 High: 110,500 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 1296 | | |
| Area | | | |
| Estimate | 2.9% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Greece

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | Mid: 9,720 Low: 8,542 High: 11,134 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | (1) n=761 (2) n=1259 | | |
| Area | National | | |
| Estimate | (1)0.3- (2)0.7 range | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Iceland

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 2004 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 2004 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Ireland

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 1996 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | Mid: 6,289 Low: 4,694 High: 7,884 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 1999 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 173 | | |
| Area | National | | |
| Estimate | 5.8% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Italy

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 1996 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | 326,000 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-------------------|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | 12.1% | | |
| Reference | (EuroHIV 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | A |

Liechtenstein

Prevalence of injecting drug use

| | | | |
|------------------------|-------------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No reports of IDU | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-----------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No reports of HIV among IDU | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Luxembourg

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2000 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | 1,715 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 254 | | |
| Area | National (8 sites) | | |
| Estimate | 2.8% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Malta

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 2005 | | |
| Method | Registers | | |
| N= | NA | | |
| Area | Specific treatment sites | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 175 (1 site) | | |
| Area | National | | |
| Estimate | 0.0% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | B |

Monaco

Prevalence of injecting drug use

| | | | |
|-----------------|--|-------|--|
| Year | 2004 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|---|-------|--|
| Year | 2004 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Montenegro

Prevalence of injecting drug use

| | | | |
|-----------------|--|-------|--|
| Year | 2004 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|---|-------|--|
| Year | 2004 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Netherlands

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2001 | | |
| Method | Treatment multiplier | | |
| N= | NA- problem drug users currently injecting | | |
| Area | National | | |
| Estimate | Mid: 3,115 Low: 2,211 High: 4,321 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-----------------------|--------------|---|
| Year | 2002 | | |
| Method | Sentinel surveillance | | |
| Sample type | IDU | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 452 | | |
| Area | Rotterdam | | |
| Estimate | 9.5% | | |
| Reference | (EuroHIV 2007) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Norway

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2005 | | |
| Method | Mortality Multiplier method, Municipal survey (with), Multiple Indicator Method | | |
| N= | NA- IDU | | |
| Area | National | | |
| Estimate | Mid: 10,049 Low: 8,374 High: 11,724 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 3349 | | |
| Area | National (14 sites) | | |
| Estimate | 3.2% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Portugal

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2000 | | |
| Method | Three multiplier methods based on police data, treatment data and mortality rates, Capture-recapture | | |
| N= | NA: 'Problem Drug Users' | | |
| Area | National | | |
| Estimate | Mid: 32,287 Low: 15,900 High: 48,673) | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | No | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | (1)n=1520 (2)n=4128 | | |
| Area | National (1) 77 sites (2)71 sites | | |
| Estimate | Low: 10.9 Mid: 15.6 High: 20.2 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

San Marino

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 2004 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 2004 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Serbia

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 2004 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 2004 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Donoghoea, Bollerup et al. 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Slovenia

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2001 | | |
| Method | Indirect (capture-recapture) | | |
| N= | | | |
| Area | | | |
| Estimate | Estimates of <i>problematic drug use</i> : Absolute number: 7,399 Prevalence: 0.53 Proportion of heroin users injecting= 0.988 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Secondary (Primary source unpublished) | | |
| Peer reviewed | non peer reviewed | Grade | A |

Calculation:

Use proportion of heroin users who inject to adjust for IDU among PDU:

$7399 \times 0.988 = 7310$ (prevalence= 0.52)

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2004 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 476 | | |
| Area | National (19 sites) | | |
| Estimate | 0.4% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Spain

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 1998 | | |
| Method | Indirect- treatment centre registers | | |
| N= | 15,711 'opiate addicts' aged 15-44 | | |
| Area | Regional (Catalonia)- Subjects from treatment centres and hospital registries | | |
| Estimate | 83,972 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | Yes | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 1194 | | |
| Area | National (66 sites) | | |
| Estimate | 39.7% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Sweden

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2003 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | Secondary source- Primary source in Swedish | | |
| Peer reviewed | | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2007 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | 203 | | |
| Area | Stockholm's county (207 sites) | | |
| Estimate | 5.4% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Switzerland

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 1997 | | |
| Method | | | |
| N= | | | |
| Area | National | | |
| Estimate | Low: 24,907 High: 38,399 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2004 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | 1.4% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | no | Grade | A |

United Kingdom

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2005 | | |
| Method | The UK estimate is the England estimate for 2004/05, Northern Ireland estimate for 2004, Scotland estimate for 2003 and Wales is assumed the same prevalence as England (No methodological details provided) | | |
| N= | | | |
| Area | | | |
| Estimate | Low: 151,032 Mid: 156,398 High: 165,696 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2008) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | No | Grade | A |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|------------------------------------|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | (1) n= 2482 | | |
| Area | England and Wales excluding London | | |
| Estimate | 0.6% | | |
| Reference | (Wiessing 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

High:

| | | | |
|--------------------------|----------------|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | n= 593 | | |
| Area | London | | |
| Estimate | 4.0% | | |
| Reference | (EuroHIV 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | A |

Middle East and North Africa

Algeria

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Snowball sample | | |
| N= | 285 | | |
| Area | Multicity (Alger, Oran, Annaba) | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (MESRS 2006) (UNAIDS 2006) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | - | | |
| Sample type | - | | |
| Seroprev/self rpt | - | | |
| N= | - | | |
| Area | - | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Woratanarat 2006) (MESRS 2006) (Jenkins and Robalino 2003) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | Yes | Grade | - |

Bahrain

Prevalence of injecting drug use

Mid:

| | | | |
|------------------------|---|--------------|--|
| Year | 2005 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur but no estimate of prevalence | | |
| Reference | (World Bank 2005) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-------------------|--------------|---|
| Year | 2000 | | |
| Method | - | | |
| Sample type | - | | |
| Seroprev/self rpt | | | |
| N= | 291 | | |
| Area | - | | |
| Estimate | 0.3% | | |
| Reference | (World Bank 2005) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Cyprus

Prevalence of injecting drug use

Mid:

| | | | |
|------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | <i>Unpublished report- details unavailable</i> | | |
| N= | | | |
| Area | National | | |
| Estimate | Low: 257 Mid: 305 High: 382 | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | A |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | sentinel surveillance – 6 sites | | |
| Sample type | drug treatment sites | | |
| Seroprev/self rpt | - | | |
| N= | 96 | | |
| Area | National | | |
| Estimate | 0.0% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction & Reitox National Focal Point 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Egypt

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2002, 2004, 2006 | | |
| Method | - | | |
| N= | - | | |
| Area | - | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Dewing, Plüddemann et al. 2006) (Jenkins and Robalino 2003) (Grotherath 2002) (Elshimi, Warner-Smith et al. 2004) | | |
| 1° or 2° source | Primary and secondary | | |
| Peer reviewed | yes | Grade | - |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | sentinel surveillance | | |
| Sample type | male IDU | | |
| Seroprev/self rpt | - | | |
| N= | - | | |
| Area | - | | |
| Estimate | 0.6% | | |
| Reference | <i>Ministry of Health and Population National AIDS Program Arab Republic of Egypt/ Family Health International HIV/AIDS Biological and Behavioural Surveillance Survey: Summary Report. Cairo 2006</i> As cited by (AIDS Projects Management Group 2007) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | sentinel surveillance | | |
| Sample type | - | | |
| Seroprev/self rpt | - | | |
| N= | 100 | | |
| Area | Alexandria | | |
| Estimate | 4.5% (5/100) | | |
| Reference | <i>Ministry of Health and Population National AIDS Program Arab Republic of Egypt/ Family Health International HIV/AIDS Biological and Behavioural Surveillance Survey: Summary Report. Cairo 2006</i> As cited by (AIDS Projects Management Group 2007) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Iraq

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-----------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | no reports of HIV among IDU | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Israel

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2002 - 2006 | | |
| Method | treatment samples (MMT clinic, intake centre, day treatment facility) heroin users | | |
| N= | native Israeli heroin users = 272 immigrants to Israel from former Soviet Union heroin users= 300 | | |
| Area | Negev region | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Isralowitz, Reznik et al. 2007) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | yes | Grade | - |

| | | | |
|------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | - | | |
| N= | - | | |
| Area | National | | |
| Estimate | IDU reported to occur – extent not known (approximately 20 000 heroin users in Israel) | | |
| Reference | <i>Israel Anti-drug Authority update 6 July 2004</i> http://www.antidrugs.gov.il/ - [NB data cited could not be found on this website by us]. As cited by (Peles, Schreiber et al. 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|---|--------------|---|
| Year | 2005 | | |
| Method | cross sectional | | |
| Sample type | Treatment sample: MMT | | |
| Seroprev/self rpt | seroprevalence | | |
| N= | 145 – not certain if all were injectors | | |
| Area | | | |
| Estimate | 2.07% | | |
| Reference | (Gelkopf, Weizman et al. 2006) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | yes | Grade | B |

High:

| | | | |
|--------------------------|---|--------------|---|
| Year | 2002 - 2006 | | |
| Method | treatment samples heroin users | | |
| Sample type | treatment samples (MMT clinic, intake centre, day treatment facility) heroin users | | |
| Seroprev/self rpt | sero samples | | |
| N= | native Israeli heroin IDU = 173 immigrants to Israel from former Soviet Union heroin users= 300 (including 19 non injectors among fSU sample) | | |
| Area | Negev region | | |
| Estimate | fSU immigrants = 6.0%; native Israeli = 0.0% overall = 3.81% | | |
| Reference | (Isralowitz, Reznik et al. 2007) | | |
| 1° or 2° source | primary | | |
| Peer reviewed | yes | Grade | A |

Jordan

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2007 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur | | |
| Reference | (Global Fund 2007) (Jenkins and Robalino 2003) (Global Fund 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported | | |
| Reference | (Global Fund 2006) (World Bank 2005) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Kuwait

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2005 | | |
| Method | - | | |
| N= | - | | |
| Area | - | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (World Bank 2005) (Jenkins and Robalino 2003) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | D |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2000 | | |
| Method | Registry | | |
| Sample type | | | |
| Seroprev/self rpt | sero sample | | |
| N= | | | |
| Area | National | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (World Bank 2005) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Lebanon

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2003 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (United Nations Office on Drugs and Crime & Institute for Development Research and Applied Care 2003) | | |
| 1° or 2° source | | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|---|
| Year | 1984-2000 | | |
| Method | Registry | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Jenkins and Robalino 2003) (United Nations Office on Drugs and Crime & Institute for Development Research and Applied Care 2003) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Libyan Arab Jamahiriya

Prevalence of injecting drug use

| | | | |
|------------------------|----------------------|--------------|---|
| Year | 2001 | | |
| Method | police registration | | |
| N= | - | | |
| Area | National | | |
| Estimate | 1 685 registered IDU | | |
| Reference | (Grotherath 2002) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | C |

Calculation

Prevalence (15-64years) of registered IDU = $1,685/3,817,000 = 0.0441\%$

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | Seroprevalence | | |
| Sample type | Treatment sample and snowball (community) | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 169 | | |
| Area | Single city (Tripoli) | | |
| Estimate | 22% | | |
| Reference | (Toufik 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Morocco

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------------|--------------|---|
| Year | 2006 | | |
| Method | - | | |
| N= | - | | |
| Area | - | | |
| Estimate | IDU reported to occur | | |
| Reference | (Toufik 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

| | | | |
|------------------------|--|--------------|---|
| Year | 2006 | | |
| Method | Snowball sample from street; Prison sample; Treatment sample | | |
| N= | 495 | | |
| Area | Multicity (Tangier, Tetouan, Rabat, Casablanca) | | |
| Estimate | IDU reported to occur | | |
| Reference | (Global Fund 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | self report | | |
| N= | 61 | | |
| Area | Multicity (Tangier, Tetouan, Rabat, Casablanca) | | |
| Estimate | 6.5% (4/61) | | |
| Reference | (Toufik 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | C |

Occupied Palestinian Territories

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2002, 2003 | | |
| Method | Registry | | |
| N= | - | | |
| Area | - | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Grotherath 2002) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | no | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-----------------------------|--------------|---|
| Year | 2002 | | |
| Method | Registry | | |
| Sample type | - | | |
| Seroprev/self rpt | sero | | |
| N= | - | | |
| Area | - | | |
| Estimate | HIV among IDU reported | | |
| Reference | (Jenkins and Robalino 2003) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | no | Grade | - |

Oman

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 1997-2005 | | |
| Method | Registry and other | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Jenkins and Robalino 2003) | | |
| 1° or 2° source | primary and secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2000 | | |
| Method | WHO UNAIDS assessment [assume registry from police records] | | |
| Sample type | arrested IDU | | |
| Seroprev/self rpt | | | |
| N= | 135 | | |
| Area | | | |
| Estimate | 5% | | |
| Reference | (Jenkins and Robalino 2003) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|--------------------------|-------------------|--------------|---|
| Year | 2000-2005 | | |
| Method | - | | |
| Sample type | treatment sample | | |
| Seroprev/self rpt | sero | | |
| N= | 129 | | |
| Area | - | | |
| Estimate | 18.6% | | |
| Reference | (Toufik 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Within range:

| | | | |
|--------------------------|-----------------------------|--------------|---|
| Year | 2000 | | |
| Method | - | | |
| Sample type | - | | |
| Seroprev/self rpt | - | | |
| N= | 60 | | |
| Area | - | | |
| Estimate | 8.3% | | |
| Reference | (Jenkins and Robalino 2003) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | D |

Qatar

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 1998 | | |
| Method | Registry | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – (1.2% of AIDS cases IDU) | | |
| Reference | (Grotherath 2002) (Ball, Rana et al. 1998) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 1998 | | |
| Method | Registry | | |
| Sample type | - | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | - | | |
| Area | - | | |
| Estimate | HIV among IDU reported | | |
| Reference | (Grotherath 2002) (Ball, Rana et al. 1998) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Saudi Arabia

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 1984-2001 | | |
| Method | Registry | | |
| N= | - | | |
| Area | - | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Jenkins and Robalino 2003) (Madani, Al-Mazrou et al. 2004) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | yes | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-----------------------------|--------------|---|
| Year | 1997 | | |
| Method | - | | |
| Sample type | IDU | | |
| Seroprev/self rpt | - | | |
| N= | 2102 | | |
| Area | - | | |
| Estimate | 0.14% (3/2102) | | |
| Reference | (Jenkins and Robalino 2003) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Sudan

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-----------------------------|--------------|---|
| Year | 2003 | | |
| Method | - | | |
| Sample type | Registry | | |
| Seroprev/self rpt | - | | |
| N= | - | | |
| Area | - | | |
| Estimate | 0% HIV among IDU reported | | |
| Reference | (Jenkins and Robalino 2003) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Syrian Arab Republic

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------------|--------------|---|
| Year | 1997-2000, 2001 | | |
| Method | Registry and other | | |
| N= | - | | |
| Area | - | | |
| Estimate | IDU reported to occur | | |
| Reference | (Grotherath 2002) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-----------------------------|--------------|---|
| Year | 1997-2000 | | |
| Method | Registry | | |
| Sample type | - | | |
| Seroprev/self rpt | - | | |
| N= | - | | |
| Area | - | | |
| Estimate | HIV among IDU reported | | |
| Reference | (Jenkins and Robalino 2003) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Tunisia

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 2002, 2003 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known (many IDU thought to be expatriates returning home to Tunisia from abroad). | | |
| Reference | (Grotherath 2002) (Jenkins and Robalino 2003) (Global Fund 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

Mid:

| | | | |
|---------------------------|-----------------------|--------------|---|
| Year | 1997 | | |
| Method | Sentinel surveillance | | |
| Sample type | IDU | | |
| Seroprev/self rp-t | seroprevalence | | |
| N= | - | | |
| Area | - | | |
| Estimate | 1997 0.3% | | |
| Reference | (Global Fund 2006) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Turkey

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2005 | | |
| Method | Registry – treatment centres | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known (in 2005 there were 549 IDUs in treatment centres) | | |
| Reference | (Kavasoglu 2008) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

| | | | |
|------------------------|--|--------------|---|
| Year | 2005 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|-------------------|--------------|---|
| Year | 2005 | | |
| Method | Registry | | |
| Sample type | treatment centre | | |
| Seroprev/self rpt | - | | |
| N= | 549 | | |
| Area | - | | |
| Estimate | $12/549 = 2.3\%$ | | |
| Reference | (Kavasoglu 2008) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|--------------------------|--|--------------|---|
| Year | 2001 | | |
| Method | surveillance | | |
| Sample type | Treatment sample | | |
| Seroprev/self rpt | - | | |
| N= | 99 | | |
| Area | Ankara | | |
| Estimate | 3% | | |
| Reference | (European Monitoring Centre for Drugs and Drug Addiction 2007) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

United Arab Emirates

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2002 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known (very strict penalties and very little drug use recorded. However Some IDU is believed to occur) | | |
| Reference | (Grotherath 2002) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Yemen

Prevalence of injecting drug use

| | | | |
|-----------------|--|-------|---|
| Year | 2002 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known (little evidence that “hard drugs” have penetrated the Yemeni market. The National AIDS Program believes there is drug injection in the elite group of Yemeni society – but this is the exception.) | | |
| Reference | (Grotherath 2002) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------|---------------------------|-------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rp-t | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Sub-Saharan Africa

Angola

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Benin

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Botswana

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Burkina Faso

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Burundi

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Cameroon

Prevalence of injecting drug use

| | | | |
|-----------------|-----------------|-------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|---------------------------|-------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Cape Verde

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Central African Republic

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Chad

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Comoros

Prevalence of injecting drug use

| | | | |
|-----------------|-----------------|-------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|---------------------------|-------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Côte d'Ivoire

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Democratic Republic of the Congo

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Djibouti

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|--|
| Year | 1998 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Equatorial Guinea

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Eritrea

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Ethiopia

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Gabon

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Gambia

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Ghana

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|--|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Guinea

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Guinea-Bissau

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Kenya

Prevalence of injecting drug use

Low:

| | | | |
|------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | Mapping, key informant guidance, questionnaire for recruited participants-recruiting based on presence in identified gather places for heroin dealing/use, informal interview, group discussion, expert opinion | | |
| N= | 496 heroin users | | |
| Area | Single site- Mombasa | | |
| Estimate | 15% of heroin users had 'ever injected' (76/496), 7% had injected in the last week (37/496) Estimate (expert opinion with method outlined): 10,000 heroin users in Greater Mombasa in March 2004 Population "exceeds one million" | | |
| Reference | (Beckerleg, Telfer et al. 2006) | | |
| 1° or 2° source | Primary source | | |
| Peer reviewed | Yes | Grade | C |

Calculation:

10,000 heroin users in Mombasa and between 7% and 15% of these are past year IDU: 1,500 – 700 injectors. Projected population of Mombasa in 2004: 787,280 (Statistics and Development 2007) 15-64 year olds make up 54.35% of the population in Kenya in 2004 (Kenyan Bureau of Statistics 2007)

Assuming similar age distribution in Mombasa as the rest of the country then 54.35% of 787,280 = 427,887 15-64 year olds in Mombasa in 2004.

2004 prevalence of IDU among 15-64 year olds: 0.16% - 0.35% **[use 0.16% as low]**

High:

| | | | |
|------------------------|--|--------------|---|
| Year | 2000-2002 | | |
| Method | Rapid assessment: snowball sample of female IDUs. | | |
| N= | 26 Female IDU involved in the snowball, 4 informants underwent nomination techniques, 21 interviews with community members | | |
| Area | Single city | | |
| Estimate | 600 IDU (30 female) in an estimated population of 85,000 | | |
| Reference | (Beckerleg and Lewando Hundt 2004) | | |
| 1° or 2° source | Primary source | | |
| Peer reviewed | Yes | Grade | C |

15-64 year olds make up 53.85% of the population in Kenya in 2002 (Division 2007)

Assuming similar age distribution in this city as in the rest of the country 53.85% of 85,000 = 45,773 15-64 year olds in this city in 2002

2002 Prevalence of IDU among 15-64 year olds: 1.3% **[use as high]**

Within range:

| | | | |
|------------------------|--|--------------|---|
| Year | 2001 | | |
| Method | Rapid Assessment and Response | | |
| N= | Unknown | | |
| Area | Single city (Nairobi) | | |
| Estimate | 13,000 heroin users 50% of which cite injection as their preferred route | | |
| Reference | <i>M. Odek-Ogunde, WHO, Rapid assessment and response study Kenya 2001, Nairobi. As cited by (AIDS Projects Management Group 2005)</i> | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | C |

Calculation

Assume 50% of 13,000 IDU = 6,500 IDU in Nairobi in 2001

Population in Nairobi in 2001: 2,470,850 (Statistics and Development 2007)

53.51% of population in Kenya aged 15-64 years in 2001 (Division 2007) therefore 1,322,151 in Nairobi

2001 prevalence of IDU among 15-64 year olds: 0.49%

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|----------------------------------|--------------|---|
| Year | 2004 | | |
| Method | Not described | | |
| Sample type | Not described | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 146 IDU | | |
| Area | Single city- Nairobi | | |
| Estimate | 36.30% (53/146 IDU tested) | | |
| Reference | (Odek-Ogunde, Okoth et al. 2004) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|--------------------------|---|--------------|---|
| Year | 2003 | | |
| Method | Sentinel surveillance- multi site (areas within the city known as converging places for drug users) | | |
| Sample type | Single population- snowball technique within the community | | |
| Seroprev/self rpt | Sero sample | | |
| N= | 101 IDU | | |
| Area | Single city- Mombasa | | |
| Estimate | 49.5% (50/101) | | |
| Reference | (Ndetei 2004) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Lesotho

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Liberia

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Madagascar

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Malawi

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | | | |
| N= | 1,185 Drug users | | |
| Area | National | | |
| Estimate | IDU reported to occur – extent not known (2.2% (26/1,185) of drug users were injecting drug users) | | |
| Reference | (Bisika, Konyani et al. 2004) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|-----------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No reports of HIV among IDU | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Mali

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Mauritania

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Mauritius

Prevalence of injecting drug use

Low:

| | | | |
|------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | Rapid Situation Assessment- Indirect: Consensus and indirect multiplier methods | | |
| N= | | | |
| Area | National/ multi-population study (prison, treatment centres, street IDUs) | | |
| Estimate | 17,000 IDU | | |
| Reference | (Sulliman, Ameerberg et al. 2004) (Abdool, Sulliman et al. 2006) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | Yes | Grade | A |

Calculations:

Prevalence (15-64years) = 17,000/ 846,000 = 2.009%

High:

| | | | |
|------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | Rapid Situation Assessment- Indirect: Consensus and indirect multiplier methods | | |
| N= | NA | | |
| Area | National/ multi-population study (prison, treatment centres, street IDUs) | | |
| Estimate | 18,000 IDU | | |
| Reference | (Sulliman, Ameerberg et al. 2004) (Abdool, Sulliman et al. 2006) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | Yes | Grade | A |

Calculations:

Prevalence (15-64years) = 18,000/ 846,000 = 2.1277%

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | Registry | | |
| Sample type | | | |
| Seroprev/self rpt | seroprevalence | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Abdool, Sulliman et al. 2006) (Sulliman, Ameerberg et al. 2004) | | |
| 1° or 2° source | secondary | | |
| Peer reviewed | non peer reviewed | Grade | - |

Mozambique

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Namibia

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Niger

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Nigeria

Prevalence of injecting drug use

| | | | |
|-----------------|---|-------|---|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Adelekan and Lawal 2006) (Lawal 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|-------------------|---|-------|---|
| Year | 2003 | | |
| Method | Rapid Assessment and Response | | |
| Sample type | Single population- Snowball sampling of community IDU | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 11 | | |
| Area | Multi city study (Kano and Port Harcourt) | | |
| Estimate | 0% of those having 'ever injected' | | |
| Reference | (Adelekan and Lawal 2006) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

High:

| | | | |
|-------------------|---|-------|---|
| Year | 2000 | | |
| Method | Rapid Assessment and Response | | |
| Sample type | Single population- Snowball sampling of community IDU | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 79 | | |
| Area | Single city- Lagos | | |
| Estimate | 8.9% (7/79) 'ever injected', 11% (6/54) 'current injectors' [use as high] | | |
| Reference | (Adelekan and Lawal 2006) | | |
| 1° or 2° source | Secondary | | |
| Peer reviewed | non peer reviewed | Grade | B |

Within range:

| | | | |
|-------------------|---|-------|---|
| Year | 2005 | | |
| Method | Seroprevalence study as part of Rapid Assessment and Response | | |
| Sample type | Single population- Snowball sampling of community IDU – all | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 127 IDU | | |
| Area | 5 city study (Benin, Calabar, Ibadan, Kaduna, Maiduguri) | | |
| Estimate | 7.9% (10/127) of those ever injected drugs | | |
| Reference | (Lawal 2006) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | non peer reviewed | Grade | B |

NB: Because these three studies were each from 3 different geographic areas they were all considered and the range was reported.

Republic of the Congo

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Rwanda

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Sao Tome and Principe

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Senegal

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Seychelles

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Sierra Leone

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Somalia

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|---|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

South Africa

Prevalence of injecting drug

Mid:

| | | | |
|------------------------|---|--------------|---|
| Year | 2004 | | |
| Method | Population survey Community interviews- carried out in public places | | |
| N= | 2172 | | |
| Area | Three communities in one city (Cape Town) all with different ethnic/socioeconomic makeup | | |
| Estimate | 19 (0.87%) reported ever having injected- (range of 1.31%, 1.00%, 0.15% in each of the townships) | | |
| Reference | (Kalichman, Simbayi et al. 2006) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | Yes | Grade | B |

Prevalence of HIV amongst people who inject drugs

Low:

| | | | |
|--------------------------|---|--------------|---|
| Year | 2005 | | |
| Method | Sentinel surveillance | | |
| Sample type | Single population- community | | |
| Seroprev/self rpt | Seroprevalence | | |
| N= | 40 IDU | | |
| Area | Multi city- Cape Town, Durban, Pretoria | | |
| Estimate | 4.8% | | |
| Reference | (Parry, Carney et al. 2007) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | Yes | Grade | B |

High:

| | | | |
|--------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | Sentinel Surveillance | | |
| Sample type | Single population- Snowball sampling of community members | | |
| Seroprev/self rpt | Seroprevalance | | |
| N= | 55 IDU | | |
| Area | Multi city (Durban, Cape Town, Pretoria) | | |
| Estimate | 20% | | |
| Reference | (Parry, Nwanyanwu et al. 2006) | | |
| 1° or 2° source | Primary | | |
| Peer reviewed | Yes | Grade | B |

Swaziland

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Togo

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Uganda

Prevalence of injecting drug use

| | | | |
|-----------------|--|-------|---|
| Year | 1988 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | yes | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|-------------------|---------------------------|-------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

United Republic of Tanzania

Prevalence of injecting drug use

| | | | |
|------------------------|---|--------------|---|
| Year | 2006 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Williams, McCurdy et al. 2007) (Timpson and et al 2006) (McCurdy, Ross et al. 2006) (Dewing, Plüddemann et al. 2006) (Dahoma, Salim et al. 2006) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|--|--------------|--|
| Year | 2005 | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | HIV among IDU reported – extent not known | | |
| Reference | (Williams, McCurdy et al. 2007) (Timpson and et al 2006) (McCurdy, Williams et al. 2005) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Zambia

Prevalence of injecting drug use

| | | | |
|------------------------|--|--------------|---|
| Year | 1998 | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | IDU reported to occur – extent not known | | |
| Reference | (Ball, Rana et al. 1998) | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|---|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | - |

Zimbabwe

Prevalence of injecting drug use

| | | | |
|------------------------|-----------------|--------------|--|
| Year | | | |
| Method | | | |
| N= | | | |
| Area | | | |
| Estimate | No IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

Prevalence of HIV amongst people who inject drugs

| | | | |
|--------------------------|---------------------------|--------------|--|
| Year | | | |
| Method | | | |
| Sample type | | | |
| Seroprev/self rpt | | | |
| N= | | | |
| Area | | | |
| Estimate | No HIV among IDU reported | | |
| Reference | | | |
| 1° or 2° source | | | |
| Peer reviewed | | Grade | |

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Appendix F: 2007 estimated number of people who inject drugs

The following tables present estimates of the number of people who inject drugs per country for 2007. In deriving these estimates it was assumed that IDU prevalence was the same in 2007 as in the year of the estimate as reported in the literature. United Nations Population Division estimates of 2007 general population (15-64 years of age) were used (2).

2007

Table (F) 2a: Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in Eastern Europe

| Countries and territories | Year of estimate | Prevalence of injecting drug use (%)* | | | Estimated number of people who inject drugs in 2007 | | | Grade | Type | Year of estimate | HIV prevalence among people who inject drugs (%) | | | Grade |
|--|------------------|---------------------------------------|-------------|-------|---|-----------|---------|-------|------|------------------|--|--------------|-------|-------|
| | | Lower | Mid | Upper | Lower | Mid | Upper | | | | Lower | Mid | Upper | |
| Armenia | 2000 | -- | 0.10 | -- | | 2,091 | | D1 | CIDU | 2005,2002 | 6.8 | 13.4 | 20 | D1, B |
| Azerbaijan | 2006 | -- | 5.21 | -- | | 306,145 | | A | CIDU | 2004 | 2 | 13 | 24 | A |
| Belarus | 2005 | -- | 0.09 | -- | | 6,327 | | C | REG | 2006 | -- | 1.5 | -- | B |
| Bosnia & Herzegovina | -- | -- | NK | -- | | NK | | -- | -- | -- | -- | NK | -- | -- |
| Bulgaria | 2005 | 0.30 | 0.38 | 0.45 | 16,033 | 20,042 | 24,050 | A | CIDU | 2006 | 0.0 | 0.4 | 0.8 | B, A |
| Croatia | -- | -- | NK | -- | | NK | | -- | -- | 2006 | -- | 0.6 | -- | A |
| Czech Republic | 2006 | 0.35 | 0.40 | 0.47 | 25,501 | 29,008 | 33,832 | A | CIDU | 2006 | 0.0 | 0.05 | 0.1 | A |
| Estonia | 2004 | 0.89 | 1.51 | 3.79 | 8,151 | 13,756 | 34,618 | A | CIDU | 2005 | 54.3 | 72.1 | 89.9 | B |
| Georgia | 2004,02 | | | | | | | C, B | CIDU | 2004, 2001-02 | | | | B |
| | | 0.48 | 4.19 | 7.90 | 14,290 | 124,894 | 235,499 | | | | 1.4 | 1.63 | 1.85 | |
| Hungary | 2005 | 0.03 | 0.06 | 0.08 | 2,064 | 3,931 | 5,799 | A | CIDU | 2006 | -- | 0.0 | -- | A |
| Latvia | -- | -- | NK | -- | | NK | | -- | CIDU | 2003 | 6.6 | 8.15 | 9.7 | A |
| Lithuania | 2006 | -- | 0.22 | -- | | 5,116 | | C | REG | 2003 | -- | 2.4 | -- | A |
| Moldova | 2001 | -- | 0.14 | -- | | 3,730 | | C | REG | 2001 | -- | 17 | -- | B |
| Poland | -- | -- | NK | -- | | NK | | -- | CIDU | 2006 | -- | 8.9 | -- | A |
| Romania | -- | -- | NK | -- | | NK | | -- | -- | 2006 | -- | 1.44 | -- | B |
| Russia | 2007 | -- | 1.78 | -- | | 1,825,000 | | D1 | CIDU | 2003 | 0.3 | 37.15 | 74.0 | B |
| Slovakia | 2005 | 0.35 | 0.49 | 0.89 | 13,796 | 18,929 | 34,503 | A | CIDU | 2006 | -- | 0.0 | -- | B |
| Ukraine | 2006 | 1.00 | 1.16 | 1.31 | 324,167 | 374,038 | 423,910 | A | CIDU | 2006 | -- | 41.8 | -- | B |
| Observed population-weighted prevalence** | | | 1.50 | | | | | | | | | | | |
| | | | | | | | | | | | | 27.03 | | |

CIDU: Estimate made for "current injectors" (indirect estimates were defined as "current IDUs" unless otherwise specified); PYIDU: Estimate of "past year injectors"; LTIDU: Estimate of "lifetime injectors"

REG: Estimate derived from cumulative registries of drug users

NK: Injecting drug use OR HIV reported among those who inject drugs but a prevalence estimate could not be made.

-- No reports of injecting drug use or HIV among people who inject drugs identified

* Prevalence among 15-64 year olds

** Population-weighted-prevalence of IDU and IDU-population-weighted-prevalence of HIV for region countries based upon countries where a prevalence estimate could be made

(See Appendix D <[web link](#)> for source documents for all figures listed in tables and Appendix E <[web link](#)> for further information on how country level estimates were determined)

Table (F) 2b: Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in Western Europe

| Countries and territories | Year of estimate | Prevalence of injecting drug use (%)* | | | Estimated number of people who inject drugs in 2007 | | | Grade | Type | Year of estimate | HIV prevalence among people who inject drugs (%) | | | Grade |
|--|------------------|---------------------------------------|-------------|-------|---|---------|---------|-------|------|------------------|--|--------------|-------|-------|
| | | Lower | Mid | Upper | Lower | Mid | Upper | | | | Lower | Mid | Upper | |
| Albania | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Andorra | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Austria | 2000 | 0.22 | 0.32 | 0.42 | 12,399 | 18,082 | 23,765 | A | CIDU | 2006 | -- | 7.1 | -- | A |
| Belgium | 1997 | 0.35 | 0.39 | 0.43 | 23,958 | 26,643 | 29,328 | A | CIDU | 2006 | 2.9 | 4.3 | 5.7 | A |
| Denmark | 1996 | 0.35 | 0.44 | 0.52 | 12,554 | 15,643 | 18,732 | A | CIDU | 2006 | -- | 2.1 | -- | A |
| Finland | 2002 | 0.35 | 0.45 | 0.57 | 12,347 | 15,839 | 19,938 | A | CIDU | 2006 | -- | 0.2 | -- | A |
| France | 1999 | -- | 0.32 | -- | -- | 128,348 | -- | A | CIDU | 2003 | -- | 12.2 | -- | A |
| Germany | 2005 | 0.14 | 0.17 | 0.20 | 77,435 | 93,568 | 109,700 | A | CIDU | 2006 | -- | 2.9 | -- | A |
| Greece | 2005 | 0.11 | 0.13 | 0.15 | 8,572 | 9,754 | 11,173 | A | CIDU | 2006 | 0.3 | 0.5 | 0.7 | A |
| Iceland | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Ireland | 1996 | 0.20 | 0.27 | 0.33 | 5,820 | 7,798 | 9,776 | A | CIDU | 1999 | -- | 5.8 | -- | A |
| Italy | 1996 | -- | 0.83 | -- | -- | 323,362 | -- | A | CIDU | 2006 | -- | 12.1 | -- | A |
| Liechtenstein | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Luxembourg | 2000 | -- | 0.59 | -- | -- | 1,850 | -- | A | CIDU | 2006 | -- | 2.8 | -- | A |
| Macedonia | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Malta | -- | -- | NK | -- | -- | NK | -- | C | REG | 2006 | -- | 0 | -- | B |
| Monaco | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Montenegro | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Netherlands | 2001 | 0.02 | 0.03 | 0.04 | 2,254 | 3,176 | 4,406 | A | CIDU | 2002 | -- | 9.5 | -- | B |
| Norway | 2005 | 0.27 | 0.33 | 0.38 | 8,517 | 10,220 | 11,924 | A | CIDU | 2006 | -- | 3.2 | -- | A |
| Portugal | 2000 | 0.23 | 0.47 | 0.70 | 16,419 | 33,341 | 50,262 | A | CIDU | 2006 | 10.9 | 15.6 | 20.2 | A |
| San Marino | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Serbia | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Slovenia | 2001 | -- | 0.52 | -- | -- | 7,378 | -- | A | CIDU | 2004 | -- | 0.4 | -- | A |
| Spain | 1998 | -- | 0.31 | -- | -- | 93,948 | -- | A | CIDU | 2006 | -- | 39.7 | -- | A |
| Sweden | -- | -- | NK | -- | -- | NK | -- | A | CIDU | 2007 | -- | 5.4 | -- | A |
| Switzerland | 1997 | 0.51 | 0.65 | 0.78 | 25,849 | 32,850 | 39,851 | A | ** | 2004 | -- | 1.4 | -- | A |
| UK | 2005 | 0.38 | 0.39 | 0.42 | 152,773 | 158,201 | 167,606 | A | CIDU | 2006 | 0.6 | 2.3 | 4 | A |
| Observed population-weighted prevalence** | | | 0.37 | | | | | | | | | | | |
| | | | | | | | | | | | | 11.14 | | |

CIDU: Estimate made for “current injectors” (indirect estimates were defined as “current IDUs” unless otherwise specified); PYIDU: Estimate of “past year injectors”; LTIDU: Estimate of “lifetime injectors”;

REG: Estimate derived from cumulative registries of drug users

NK: Injecting drug use OR HIV reported among those who inject drugs but a prevalence estimate could not be made.

-- No reports of injecting drug use or HIV among people who inject drugs identified

* Prevalence among 15-64 year olds

** Population-weighted-prevalence of IDU and IDU-population-weighted-prevalence of HIV for region countries based upon countries where a prevalence estimate could be made

(See Appendix D <[web link](#)> for source documents for all figures listed in tables and Appendix E <[web link](#)> for further information on how country level estimates were determined)

Table (F) 3a: Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in East and South East Asia

| Countries and territories | Year of estimate | Prevalence of injecting drug use (%)* | | | Estimated number of people who inject drugs in 2007 | | | Grade | Type | Year of estimate | HIV prevalence among people who inject drugs (%) | | | Grade |
|--|------------------|---------------------------------------|-------------|-------|---|-----------|-----------|-------|------|------------------|--|--------------|-------|-------|
| | | Lower | Mid | Upper | Lower | Mid | Upper | | | | Lower | Mid | Upper | |
| | | Brunei | -- | -- | NK | -- | -- | | | | NK | -- | -- | |
| Burma | 2007 | 0.18 | 0.23 | 0.27 | 60,000 | 75,000 | 90,000 | C | CIDU | 2006 | -- | 42.6 | -- | C |
| Cambodia | 2004 | 0.01 | 0.02 | 0.09 | 1,096 | 1,918 | 7,672 | C | CIDU | 2006, 04 | 14.3 | 22.8 | 31.3 | B |
| China | 2005 | 0.19 | 0.25 | 0.31 | 1,850,714 | 2,416,210 | 2,981,706 | A | CIDU | 2005 | 7.96 | 12.3 | 19.2 | A |
| Indonesia | 2006 | 0.13 | 0.14 | 0.16 | 193,421 | 222,536 | 251,652 | A | CIDU | 2006 | 31.7 | 42.5 | 53.3 | A |
| Japan | 2004 | -- | 0.47 | -- | -- | 393,295 | -- | D1 | CIDU | -- | -- | NK | -- | -- |
| Laos | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Malaysia | 2002 | 1.11 | 1.33 | 1.56 | 190,971 | 230,288 | 269,606 | C | CIDU | 2002 | -- | 10.3 | -- | A |
| Mongolia | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- |
| North Korea | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Philippines | -- | -- | NK | -- | -- | NK | -- | -- | -- | 2005 | -- | 1 | -- | B |
| Singapore | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| South Korea | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Taiwan | -- | -- | NK | -- | -- | NK | -- | -- | -- | 2004,06 | 2 | 13.8 | 25.6 | D1, B |
| Thailand | 2001 | -- | 0.38 | -- | -- | 169,347 | -- | D1 | CIDU | 2004 | -- | 42.5 | -- | B |
| Timor Leste | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- |
| Vietnam | 2005 | -- | 0.25 | -- | -- | 142,222 | -- | D1 | CIDU | 2006 | 1.9 | 33.85 | 65.8 | B |
| Observed population-weighted prevalence** | | | 0.26 | | | | | | | | | 16.70 | | |

CIDU: Estimate made for “current injectors” (indirect estimates were defined as “current IDUs” unless otherwise specified); PYIDU: Estimate of “past year injectors”; LTIDU: Estimate of “lifetime injectors”

REG: Estimate derived from cumulative registries of drug users

NK: Injecting drug use OR HIV reported among those who inject drugs but a prevalence estimate could not be made.

-- No reports of injecting drug use or HIV among people who inject drugs identified

* Prevalence among 15-64 year olds

** Population-weighted-prevalence of IDU and IDU-population-weighted-prevalence of HIV for region countries based upon countries where a prevalence estimate could be made

(See Appendix D <[web link](#)> for source documents for all figures listed in tables and Appendix E <[web link](#)> for further information on how country level estimates were determined)

Table (F) 3b: Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in South Asia

| Countries and territories | Year of estimate | Prevalence of injecting drug use (%)* | | | Estimated number of people who inject drugs in 2007 | | | Grade | Type | Year of estimate | HIV prevalence among people who inject drugs (%) | | | Grade |
|--|------------------|---------------------------------------|-------------|-------|---|---------|---------|-------|------|------------------|--|-------|-------|--------------|
| | | Lower | Mid | Upper | Lower | Mid | Upper | | | | Lower | Mid | Upper | |
| Afghanistan | 2005 | 0.05 | 0.05 | 0.05 | 7,474 | 7,507 | 7,539 | A | CIDU | 2005-06 | 1.7 | 3.4 | 5.1 | B |
| Bangladesh | 2005 | 0.02 | 0.03 | 0.04 | 20,969 | 31,453 | 41,938 | C | CIDU | 2006 | 0.8 | 1.35 | 1.9 | A |
| Bhutan | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- |
| India | 2006 | 0.01 | 0.02 | 0.03 | 108,787 | 168,331 | 227,874 | A | CIDU | 2004 | -- | 11.15 | -- | A |
| Iran | 2004 | -- | 0.40 | -- | -- | 195,174 | -- | A | CIDU | 2005 | 5 | 15 | 25 | B |
| Maldives | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- |
| Nepal | 2003 | 0.11 | 0.15 | 0.19 | 17,989 | 24,638 | 31,286 | A | CIDU | 2003 | 30.22 | 41.39 | 52.56 | B |
| Pakistan | 2006 | 0.13 | 0.14 | 0.16 | 128,707 | 134,329 | 154,448 | A | CIDU | 2005 | 9.6 | 10.8 | 12.1 | A |
| Sri Lanka | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Observed population-weighted prevalence** | | | 0.05 | | | | | | | | | | | 13.07 |

Table (F) 3c: Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in Central Asia

| Countries and territories | Year of estimate | Prevalence of injecting drug use (%)* | | | Estimated number of people who inject drugs in 2007 | | | Grade | Type | Year of estimate | HIV prevalence among people who inject drugs (%) | | | Grade |
|--|------------------|---------------------------------------|-------------|-------|---|---------|-------|-------|------|------------------|--|------|-------|--------------|
| | | Lower | Mid | Upper | Lower | Mid | Upper | | | | Lower | Mid | Upper | |
| Kazakhstan | 2006 | -- | 0.96 | -- | -- | 101,264 | -- | A | CIDU | 2005 | 8.0 | 9.2 | 10.4 | B |
| Kyrgyzstan | 2006 | -- | 0.74 | -- | -- | 25,573 | -- | A | CIDU | 2005 | 2.4 | 8.0 | 13.6 | B |
| Tajikistan | 2006 | -- | 0.45 | -- | -- | 17,468 | -- | A | CIDU | 2005 | 11.5 | 14.7 | 17.9 | B |
| Turkmenistan | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Uzbekistan | 2006 | -- | 0.47 | -- | -- | 82,281 | -- | A | CIDU | 2005 | 11.7 | 15.6 | 19.5 | B |
| Observed population-weighted prevalence** | | | 0.64 | | | | | | | | | | | 11.81 |

CIDU: Estimate made for “current injectors” (indirect estimates were defined as “current IDUs” unless otherwise specified); PYIDU: Estimate of “past year injectors”; LTIDU: Estimate of “lifetime injectors”

REG: Estimate derived from cumulative registries of drug users

NK: Injecting drug use OR HIV reported among those who inject drugs but a prevalence estimate could not be made.

-- No reports of injecting drug use or HIV among people who inject drugs identified

* Prevalence among 15-64 year olds

** Population-weighted-prevalence of IDU and IDU-population-weighted-prevalence of HIV for region countries based upon countries where a prevalence estimate could be made

(See Appendix D <[web link](#)> for source documents for all figures listed in tables and Appendix E <[web link](#)> for further information on how country level estimates were determined)

Table (F) 4a: Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in the Caribbean

| Countries and territories | Year of estimate | Prevalence of injecting drug use (%)* | | | Estimated number of people who inject drugs in 2007 | | | Grade | Type | Year of estimate | HIV prevalence among people who inject drugs (%) | | | Grade |
|--|------------------|---------------------------------------|-------------|-------|---|------|-------|-------|------|------------------|--|--------------|-------|-------|
| | | Lower | Mid | Upper | Lower | Mid | Upper | | | | Lower | Mid | Upper | |
| Antigua & Barbuda | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bahamas | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Barbados | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bermuda | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Puerto Rico | 2002 | -- | 1.15 | -- | -- | 12.9 | -- | A | CIDU | 1998-2001 | -- | 12.9 | -- | A |
| Cuba | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Dominica | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Dominican Republic | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Grenada | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Haiti | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Jamaica | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Saint Kitts & Nevis | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Saint Lucia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Saint Vincent & Grenadines | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Trinidad & Tobago | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Observed population-weighted prevalence** | | | 1.15 | | | | | | | | | 12.90 | | |

CIDU: Estimate made for “current injectors” (indirect estimates were defined as “current IDUs” unless otherwise specified); PYIDU: Estimate of “past year injectors”; LTIDU: Estimate of “lifetime injectors”

REG: Estimate derived from cumulative registries of drug users

NK: Injecting drug use OR HIV reported among those who inject drugs but a prevalence estimate could not be made.

-- No reports of injecting drug use or HIV among people who inject drugs identified

* Prevalence among 15-64 year olds

** Population-weighted-prevalence of IDU and IDU-population-weighted-prevalence of HIV for region countries based upon countries where a prevalence estimate could be made

(See Appendix D <[web link](#)> for source documents for all figures listed in tables and Appendix E <[web link](#)> for further information on how country level estimates were determined)

Table (F) 4b: Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in Latin America

| Countries and territories | Year of estimate | Prevalence of injecting drug use (%)* | | | Estimated number of people who inject drugs in 2007 | | | Grade | Type | Year of estimate | HIV prevalence among people who inject drugs (%) | | | Grade |
|--|------------------|---------------------------------------|-------------|-------|---|---------|--------|-------|-------|------------------|--|------|-------|--------------|
| | | Lower | Mid | Upper | Lower | Mid | Upper | | | | Lower | Mid | Upper | |
| Argentina | 1999 | 0.29 | 0.29 | 0.30 | 72,005 | 73,489 | 74,972 | D1 | CIDU | 1987-99 | 35.4 | 49.7 | 64.0 | A |
| Belize | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bolivia | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- |
| Brazil | 2003 | -- | 0.67 | -- | -- | 850,708 | -- | D1 | CIDU | 2000 | 18 | 48 | 78 | A |
| Chile | 2006 | -- | 0.38 | -- | -- | 42,830 | -- | D1 | LTIDU | -- | -- | NK | -- | -- |
| Colombia | -- | -- | NK | -- | -- | NK | -- | -- | -- | 1999 | 0.0 | 1 | 2.0 | B |
| Costa Rica | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Ecuador | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| El Salvador | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Guatemala | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Guyana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Honduras | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Mexico | -- | -- | NK | -- | -- | NK | -- | -- | -- | 2005 | 1.9 | 3.0 | 4.1 | B |
| Nicaragua | -- | -- | NK | -- | -- | NK | -- | -- | -- | 2000 | -- | 6.0 | -- | D1 |
| Panama | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Paraguay | -- | -- | NK | -- | -- | NK | -- | -- | -- | 2006 | 3.7 | 9.35 | 15.0 | B |
| Peru | -- | -- | NK | -- | -- | NK | -- | -- | -- | 1994-95 | -- | 13.0 | -- | D1 |
| Suriname | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- |
| Uruguay | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Venezuela | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Observed population-weighted prevalence** | | | 0.59 | | | | | | | | | | | 28.76 |

Table (F) 4c: Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in Canada and the United States

| Countries and territories | Year of estimate | Prevalence of injecting drug use (%)* | | | Estimated number of people who inject drugs in 2007 | | | Grade | Type | Year of estimate | HIV prevalence among people who inject drugs (%) | | | Grade |
|--|------------------|---------------------------------------|-------------|-------|---|-----------|-----------|-------|-------|------------------|--|-------|-------|--------------|
| | | Lower | Mid | Upper | Lower | Mid | Upper | | | | Lower | Mid | Upper | |
| Canada | 2004 | 1.00 | 1.30 | 1.70 | 228,630 | 297,219 | 388,671 | B | LTIDU | 2005 | 2.9 | 13.4 | 23.8 | A |
| USA | 2002 | 0.67 | 0.96 | 1.34 | 1,375,691 | 1,973,192 | 2,751,382 | A | CIDU | 2003 | 8.74 | 15.57 | 22.4 | A |
| Observed population-weighted prevalence** | | | 0.99 | | | | | | | | | | | 15.28 |

CIDU: Estimate made for “current injectors” (indirect estimates were defined as “current IDUs” unless otherwise specified); PYIDU: Estimate of “past year injectors”; LTIDU: Estimate of “lifetime injectors”;

REG: Estimate derived from cumulative registries of drug users

NK: Injecting drug use OR HIV reported among those who inject drugs but a prevalence estimate could not be made.

-- No reports of injecting drug use or HIV among people who inject drugs identified

* Prevalence among 15-64 year olds

** Population-weighted-prevalence of IDU and IDU-population-weighted-prevalence of HIV for region countries based upon countries where a prevalence estimate could be made

(See Appendix D <[web link](#)> for source documents for all figures listed in tables and Appendix E <[web link](#)> for further information on how country level estimates were determined)

Table (F) 5a: Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in Pacific Island States and territories

| Countries and territories | Year of estimate | Prevalence of injecting drug use (%)* | | | Estimated number of people who inject drugs in 2007 | | | Grade | Type | Year of estimate | HIV prevalence among people who inject drugs (%) | | | Grade |
|--|------------------|---------------------------------------|-----|-------|---|-----|-------|-------|------|------------------|--|-----|-------|-------|
| | | Lower | Mid | Upper | Lower | Mid | Upper | | | | Lower | Mid | Upper | |
| American Samoa | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Micronesia | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- | NK | -- | -- |
| Fiji | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- | NK | -- | -- |
| French Polynesia | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- | NK | -- | -- |
| Guam | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- | NK | -- | -- |
| Kiribati | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Marshall Islands | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nauru | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| New Caledonia | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- | NK | -- | -- |
| Palau | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Papua New Guinea | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- | NK | -- | -- |
| Samoa | -- | -- | NK | -- | -- | -- | -- | -- | -- | 2004-5 | -- | 0 | -- | D1 |
| Solomon Islands | -- | -- | NK | -- | -- | -- | -- | -- | -- | 2004-5 | -- | 0 | -- | D1 |
| Tonga | -- | -- | NK | -- | -- | -- | -- | -- | -- | 2004-5 | -- | 0 | -- | D1 |
| Tuvalu | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Vanuatu | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Observed population-weighted prevalence** | | | -- | | | | | | | | | -- | | |

Table (F) 5b: Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in Australasia

| Countries and territories | Year of estimate | Prevalence of injecting drug use (%)* | | | Estimated number of people who inject drugs in 2007 | | | Grade | Type | Year of estimate | HIV prevalence among people who inject drugs (%) | | | Grade |
|--|------------------|---------------------------------------|-------------|-------|---|---------|---------|-------|------|------------------|--|-------------|-------|-------|
| | | Lower | Mid | Upper | Lower | Mid | Upper | | | | Lower | Mid | Upper | |
| Australia | 2005 | 0.65 | 1.09 | 1.50 | 91,314 | 153,046 | 209,288 | A | CIDU | 2006 | -- | 1.5 | -- | A |
| New Zealand | 2006 | 0.49 | 0.73 | 0.97 | 13,687 | 20,390 | 27,094 | B | CIDU | 2006 | -- | 1.6 | -- | B |
| Observed population-weighted prevalence** | | | 1.03 | | | | | | | | | 1.51 | | |

REG: Estimate derived from cumulative registries of drug users

NK: Injecting drug use OR HIV reported among those who inject drugs but a prevalence estimate could not be made.

-- No reports of injecting drug use or HIV among people who inject drugs identified

* Prevalence among 15-64 year olds

** Population-weighted-prevalence of IDU and IDU-population-weighted-prevalence of HIV for region countries based upon countries where a prevalence estimate could be made.

(See Appendix D <[web link](#)> for source documents for all figures listed in tables and Appendix E <[web link](#)> for further information on how country level estimates were determined)

Table (F) 6a: Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in the Middle East and North Africa

| Countries and territories | Year of estimate | Prevalence of injecting drug use (%)* | | | Estimated number of people who inject drugs in 2007 | | | Grade | Type | Year of estimate | HIV prevalence among people who inject drugs (%) | | | Grade |
|--|------------------|---------------------------------------|-------------|-------|---|-------|-------|-------|------|------------------|--|-------------|-------|-------|
| | | Lower | Mid | Upper | Lower | Mid | Upper | | | | Lower | Mid | Upper | |
| | | Algeria | -- | -- | NK | -- | -- | | | | NK | -- | -- | |
| Bahrain | -- | -- | NK | -- | -- | NK | -- | -- | 2000 | -- | 0.3 | -- | B | |
| Cyprus | 2006 | 0.04 | 0.05 | 0.07 | 261 | 310 | 388 | A | CIDU | 2006 | -- | 0 | -- | B |
| Egypt | -- | -- | NK | -- | -- | NK | -- | -- | -- | 2006 | 0.6 | 2.55 | 4.5 | B |
| Iraq | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- |
| Israel | -- | -- | NK | -- | -- | NK | -- | -- | -- | 2005, 2002-6 | 2.07 | 2.94 | 3.81 | B, A |
| Jordan | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Kuwait | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Lebanon | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Libya | 2001 | -- | 0.05 | -- | -- | 1,924 | -- | C | REG | 2004 | -- | 22 | -- | B |
| Morocco | -- | -- | NK | -- | -- | NK | -- | -- | -- | 2006 | -- | 6.5 | -- | C |
| Oman | -- | -- | NK | -- | -- | NK | -- | -- | -- | 2000, 2000-2005 | 5 | 11.8 | 18.6 | B |
| Palestine | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Qatar | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Saudi Arabia | -- | -- | NK | -- | -- | NK | -- | -- | -- | 1997 | -- | 0.14 | -- | B |
| Sudan | -- | -- | NK | -- | -- | NK | -- | -- | -- | 2003 | -- | 0 | -- | B |
| Syria | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |
| Tunisia | -- | -- | NK | -- | -- | NK | -- | -- | -- | 1997 | -- | 0.3 | -- | B |
| Turkey | -- | -- | NK | -- | -- | NK | -- | -- | -- | 2005, 2001 | 2.3 | 2.65 | 3 | B |
| United Arab Emirates | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- |
| Yemen | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- |
| Observed population-weighted prevalence** | | | 0.04 | | | | | | | | | 2.94 | | |

CIDU: Estimate made for “current injectors” (indirect estimates were defined as “current IDUs” unless otherwise specified); PYIDU: Estimate of “past year injectors”; LTIDU: Estimate of “lifetime injectors”;

REG: Estimate derived from cumulative registries of drug users

NK: Injecting drug use OR HIV reported among those who inject drugs but a prevalence estimate could not be made.

-- No reports of injecting drug use or HIV among people who inject drugs identified

* Prevalence among 15-64 year olds

** Population-weighted-prevalence of IDU and IDU-population-weighted-prevalence of HIV for region countries based upon countries where a prevalence estimate could be made

(See Appendix D <[web link](#)> for source documents for all figures listed in tables and Appendix E <[web link](#)> for further information on how country level estimates were determined)

Table (F) 6b: Evidence on the prevalence of injecting drug use and HIV among people who inject drugs in Sub-Saharan Africa

| Countries and territories | Year of estimate | Prevalence of injecting drug use (%)* | | | Estimated number of people who inject drugs in 2007 | | | Grade | Type | Year of estimate | HIV prevalence among people who inject drugs (%) | | | Grade |
|---------------------------|------------------|---------------------------------------|------|-------|---|---------|---------|-------|-------|------------------|--|------|-------|-------|
| | | Lower | Mid | Upper | Lower | Mid | Upper | | | | Lower | Mid | Upper | |
| | | Angola | -- | -- | -- | -- | -- | | | | -- | -- | -- | |
| Benin | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Botswana | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Burkina Faso | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Burundi | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Cameroon | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Cape Verde | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Central African Republic | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Chad | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Comoros | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Cote d'Ivoire | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | |
| Dem Rep of the Congo | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Djibouti | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | |
| Equatorial Guinea | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Eritrea | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Ethiopia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Gabon | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | |
| Gambia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Ghana | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | |
| Guinea | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Guinea-Bissau | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| Kenya | 2004, 2000-02 | 0.16 | 0.73 | 1.3 | 32,835 | 149,811 | 266,786 | C | CIDU | 2003, 2004 | 36.3 | 42.9 | 49.5 | B |
| Lesotho | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Liberia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Madagascar | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Malawi | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- |
| Mali | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mauritania | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Mauritius | 2004 | 2.01 | 2.07 | 2.13 | 17,663 | 18,183 | 18,702 | A | CIDU | -- | -- | NK | -- | -- |
| Mozambique | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Namibia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Niger | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Nigeria | -- | -- | NK | -- | -- | NK | -- | -- | -- | 2003, 2000 | 0 | 5.5 | 11 | B |
| Republic of the Congo | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Rwanda | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sao Tome & Principe | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Senegal | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- | -- |
| Seychelles | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sierra Leone | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Somalia | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| South Africa | 2004 | -- | 0.87 | -- | -- | 269,369 | -- | B | LTIDU | 2005 | 4.8 | 12.4 | 20 | B |
| Swaziland | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Tanzania | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | NK | -- | -- |

| | | | | | | | | | | | | | |
|--|----|----|-------------|----|----|----|----|----|----|----|----|--------------|----|
| Togo | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Uganda | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- |
| Zambia | -- | -- | NK | -- | -- | NK | -- | -- | -- | -- | -- | -- | -- |
| Zimbabwe | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Observed population-weighted prevalence** | | | 0.36 | | | | | | | | | 19.23 | |

CIDU: Estimate made for “current injectors” (indirect estimates were defined as “current IDUs” unless otherwise specified); PYIDU: Estimate of “past year injectors”; LTIDU: Estimate of “lifetime injectors”;

REG: Estimate derived from cumulative registries of drug users

NK: Injecting drug use OR HIV reported among those who inject drugs but a prevalence estimate could not be made.

-- No reports of injecting drug use or HIV among people who inject drugs identified

* Prevalence among 15-64 year olds

** Population-weighted-prevalence of IDU and IDU-population-weighted-prevalence of HIV for region countries based upon countries where a prevalence estimate could be made

(See Appendix D [<web link>](#) for source documents for all figures listed in tables and Appendix E [<web link>](#) for further information on how country level estimates were determined)

Appendix G: Methods used to derive estimates of regional and global numbers of IDUs and HIV positive IDUs

Estimates of the number of people who inject drugs:

A range of situations existed with respect to the amount of data available on the prevalence of injecting drug use or the number of people who inject drugs. The ways in which uncertainty was estimated around these estimates differed depending upon the amount of country specific data to hand (the calculated regional estimates and global total of the number of people who inject are presented in the paper):

- 1. Country-specific information available: If a country had a lower and higher estimate of IDU prevalence,** the midpoint between these two estimates was taken. The exception to this was in countries where lower, mid and higher estimates were published (this was particularly notable in the case of the EMCDDA figures) in which case the three estimates provided were used.
- 2. One estimate of IDU prevalence (or IDU population size) available:** in the situation where only one estimate of population prevalence or IDU population size was available, then the weighted global uncertainty limits around population prevalence were used. These were derived by estimating the weighted prevalence of low, mid and high IDU prevalence in countries where all three estimates were available (see #1 above). The amount of uncertainty (in terms of % variation less than and greater than the mid estimate) was estimated. For all regions with the exception of Sub Saharan Africa, this global % variation was then applied to each country where only one estimate had been derived in order to estimate an uncertainty range around the estimate. For those countries in Sub Saharan Africa where only one estimate of IDU prevalence was available the *regional* % variation was applied; this was done to better reflect the much greater uncertainty around the observed estimates in that region.
- 3. No estimate of IDU prevalence (or IDU population size) available but IDU had been reported:** In this instance, the weighted regional prevalence was used. The methods for estimating uncertainty ranges described in #2 above were used to estimate uncertainty bounds.
- 4. No reports of IDU were found for the country:** In countries where no documented evidence of injecting drug use occurring could be located, we assumed zero prevalence of injecting. Given this comprised 11% of the world's population aged 15-64 years it is possible that the resulting global estimate of the number of injecting drug users is likely to be an underestimate by assuming that there are no injectors at all in these countries.

For each region, the sum of all country estimates (as derived above) and their ranges was made. The "global" estimate comprised the addition of all regional estimates.

Estimates of the number of people who inject drugs who may be HIV positive

A range of situations existed with respect to the amount of data available on the prevalence of HIV among those who inject drugs. The ways in which uncertainty was estimated around these estimates differed depending upon the amount of country specific data to hand (the calculated regional estimates and global total of the number of people who inject and who may also be HIV positive are presented in the paper):

1. Country-specific information available: If a country had a lower and higher estimate of HIV prevalence, the midpoint between these two estimates was taken. The upper and lower estimates were derived by multiplying the lower estimate of IDU population size by the lower estimate of HIV prevalence; and the upper estimate of IDU population size by the upper estimate of HIV prevalence.

2. One estimate of HIV prevalence available: in the situation where only one estimate of HIV prevalence was available, then the weighted *regional* uncertainty limits around HIV prevalence were used. These were derived by estimating the weighted prevalence of low, mid and high HIV prevalence in countries where low, mid and high estimates were available (see #1 above). The amount of uncertainty (in terms of % variation less than and greater than the mid estimate) was estimated. This % variation was then applied to each country where only one estimate had been derived in order to estimate an uncertainty range around the estimate. For, Australasia, the Pacific Island States and Territories and the Caribbean only single estimates of HIV prevalence were available. To estimate uncertainty bounds for these three regions the weighted *global* uncertainty limits were applied.

3. No estimate of HIV prevalence available: In this instance, with the exception of the Pacific Island States and Territories, the weighted regional HIV prevalence was used for all countries without an estimate of HIV prevalence but where injecting drug use reported to occur. For the Pacific Island States and Territories the combined weighted HIV prevalence for this region and Australasia was applied. The methods for estimating uncertainty ranges described in #2 above were used to estimate uncertainty bounds in all regions.

4. No reports of IDU were found for the country: In countries where no documented evidence of injecting drug use occurring could be located, we assumed zero prevalence of injecting and of HIV among people who inject drugs.

For each region, the sum of all country estimates (as derived above) and their ranges was made. The "global" estimate comprised the addition of all regional estimates.