

# ANNEX 1 HIV/AIDS in Ukraine: Official Data

**Table A1-1. Reported New Cases of HIV Infection, AIDS Cases, and AIDS Deaths, Ukraine, 1987-2004**

	Year										
	1987-95	1996	1997	1998	1999	2000	2001	2002	2003	2004	Total
<b>New HIV cases</b>											
<i>Total, including</i>	1,897	5,422	8,934	8,590	5,830	6,216	7,009	8,761	10,013	12,494	75,166
<i>Ukrainian nationals</i>	1,673	5,400	8,913	8,575	5,827	6,212	7,000	8,756	10,009	12,491	74,856
<i>Foreign nationals</i>	224	22	21	15	3	4	9	5	4	3	310
<i>Children</i>	28	99	210	402	549	737	937	1,379	1,844	2,293	8,478
<b>New AIDS cases</b>											
<i>Total, including</i>	82	146	193	399	586	648	868	1,356	1,916	2,745	8,939
<i>Ukrainian nationals</i>	77	143	189	398	586	647	867	1,353	1,915	2,743	8,918
<i>Foreign nationals</i>	5	3	4	1	0	1	1	3	1	2	21
<i>Children</i>	7	10	4	14	15	13	30	47	68	96	304
<b>AIDS deaths</b>											
<i>Total, including</i>	38	70	85	150	253	415	474	837	1,285	1,775	5,382
<i>Ukrainian nationals</i>	34	69	82	148	253	414	473	834	1,285	1,775	5,367
<i>Foreign nationals</i>	4	1	3	2	0	1	1	3	0	0	15
<i>Children</i>	5	6	4	9	12	9	11	23	38	33	150

Source: Ukrainian AIDS Center.

**Table A1-2. National HIV Serosurveillance Data by Category/Code, Ukraine, 2002-04**

CODE	CATEGORY	2002			2003			2004		
		Tested	HIV+	%	Tested	HIV+	%	Tested	HIV+	%
100	<i>Total Ukrainian nationals, including</i>	2,299,981	15,572	0.68	2,459,784	18,522	0.75	2,501,132	23,087	0.92
101	<i>Sexual partner of an HIV+</i>	4,143	515	12.43	4,496	627	13.95	5,573	862	15.47
101`1	<i>Children born to HIV+ mothers</i>	12,940	1,163	8.99	14,727	1,216	8.26	16,182	1,729	10.68
102	<i>IDUs</i>	36,286	4,765	13.13	33,004	4,855	14.71	32,184	4,754	14.77

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**Table A1-2. National HIV Serosurveillance Data by Category/Code, Ukraine, 2002-04** (continued from page 35)

CODE	CATEGORY	2002			2003			2004		
		Tested	HIV+	%	Tested	HIV+	%	Tested	HIV+	%
104	<i>Those with STIs</i>	67,921	584	0.86	61,674	685	1.11	59,960	720	1.20
105	<i>Multiple sexual partners</i>	16,050	160	1.00	17,196	187	1.09	16,715	243	1.45
108	<i>Donors of blood &amp; products, organs, tissues</i>	939,108	927	0.10	958,205	1,182	0.12	941,524	1,209	0.13
109	<i>Pregnant women</i>	808,632	1,874	0.23	924,099	2,555	0.28	965,405	3,252	0.34
112	<i>Prisoners</i>	12,770	1,192	9.33	17,782	1,603	9.01	25,638	3,273	12.77
113	<i>Examined by clinical indications</i>	116,878	2,256	1.93	121,350	3,030	2.50	134,528	3,895	2.90
114	<i>Examined on voluntary basis (anonymously or confidentially)</i>	36,679	1,145	3.12	34,326	1,303	3.80	38,326	1,588	4.14
115	<i>Occupational exposure (medical contacts)</i>	4,677	26	0.56	4,938	7	0.14	5,648	2	0.04
120	<i>Other</i>	243,897	965	0.40	267,987	1,272	0.47	259,449	1,560	0.60
200	<i>Foreign nationals</i>	3,542	30	0.85	5,289	17	0.32	5,899	25	0.42
300	<b>Total tested</b>	<b>2,303,523</b>	<b>15,602</b>	<b>0.68</b>	<b>2,465,073</b>	<b>18,539</b>	<b>0.75</b>	<b>2,507,031</b>	<b>23,112</b>	<b>0.92</b>

Source: Ukrainian AIDS Center.

**Table A1-3. Reported HIV Cases by Mode of Transmission, 1987-2004**

Mode of transmission	Year										
	1987-95	1996	1997	1998	1999	2000	2001	2002	2003	2004	Total
<i>IDU</i>	1,024	4,360	7,448	6,516	3,771	3,881	3,964	4,587	4,815	5,778	46,144
<i>Heterosexual</i>	433	709	1,007	1,385	1,323	1,427	1,885	2,499	3,043	4,041	17,752
<i>MTCT</i>	19	92	196	378	527	727	914	1,371	1,830	2,273	8,327
<i>Unknown</i>	161	236	260	294	202	173	231	295	314	389	2,555
<i>Blood transfusion</i>	4	0	0	1	0	0	3	2	3	1	14
<i>Medical contact</i>	5	0	0	0	3	0	0	0	1	0	9
<i>MSM</i>	27	3	2	1	1	4	3	2	3	9	55
<b>Total</b>	<b>1,673</b>	<b>5,400</b>	<b>8,913</b>	<b>8,575</b>	<b>5,827</b>	<b>6,212</b>	<b>7,000</b>	<b>8,756</b>	<b>10,009</b>	<b>12,491</b>	<b>74,856</b>

Source: Ukrainian AIDS Center.

**Table A1-4. Reported Cases of HIV Infection in Ukraine, by Gender, 1995-2004**

Year	Total infected, including:	Males		Females	
		Persons	%	Persons	%
1995	1,490	936	62.8	554	37.2
1996	5,400	4,130	76.5	1,270	23.5
1997	8,913	6,569	73.7	2,344	26.3
1998	8,575	5,763	67.2	2,812	32.8
1999	5,827	3,757	64.5	2,070	35.5
2000	6,212	3,947	63.5	2,265	36.5
2001	7,000	4,326	61.8	2,674	38.2
2002	8,756	5,278	60.2	3,478	39.8
2003	10,009	5,695	56.9	4,314	43.1
2004	12,491	7,245	58	5,247	42
<b>Total</b>	<b>74,673</b>	<b>47,646</b>	<b>63.8</b>	<b>27,028</b>	<b>36.2</b>

Source: Ukrainian AIDS Center.

**Table A1-5. Reported HIV and AIDS Incidence in Ukraine, by Region, 2001-04**

Regions	Officially registered HIV incidence Per 100,000				Officially registered AIDS incidence Per 100,000			
	2001	2002	2003	2004	2001	2002	2003	2004
Crimea	24.1	31.7	33.4	37.2	3.8	9.2	13.4	16.8
Vinnitsa	6.2	4.7	9.8	11.1	0.6	1	2.3	2.8
Volyn	5.9	12.1	9.2	12.7	0.2	1.4	1.8	1.6
Dnipropetrovsk	26.2	41.8	49.7	59.8	0.7	4	6.4	8.8
Donetsk	31.2	32.1	38.7	52.9	4.3	6.3	8.9	15
Zhytomyr	8.7	8	9.4	11.8	1.3	1.1	0.8	1.9
Zakarpatska	1.7	1	1	1.3	0.2	0.1	0	1.9
Zaporizhya	9.8	8.1	13	16.9	1.8	2	2.5	4.4
Ivano-Frankivsk	1.4	1.6	3.3	4.8	0.3	0.1	0.6	0.6
Kyiv	12.6	17.4	18.8	21.6	1	1.8	2.1	4
Kirovograd	8	11	11.7	17.5	0.4	0.8	0.6	0.4
Lugansk	8	15.1	13.9	23	0.5	0.6	1.3	2.2
Lviv	4.4	5.4	6.6	8.5	0.4	1	1	1.5
Mykolayiv	32	42.7	48.1	57.5	2.6	4.4	3.1	11.3
Odesa	36.3	46.5	48.3	58.9	11.6	14.5	16.7	15.8
Poltava	8.3	6.8	9.1	8.8	0	0	0.9	2.4

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**Table A1-5. Reported HIV and AIDS Incidence in Ukraine, by Region, 2001-2004** (continued from page 37)

Regions	Officially registered HIV incidence Per 100,000				Officially registered AIDS incidence Per 100,000			
	2001	2002	2003	2004	2001	2002	2003	2004
Rivne	2.2	7.4	8.2	9.1	0	0.1	1.5	0.6
Sumy	5.8	5.6	6.8	5.7	1.9	1.2	1.2	1.2
Ternopil	3.5	2.6	4.4	4.7	0.2	0.4	0.4	0.7
Kharkiv	5.4	7.5	13.6	14.2	0.2	0.4	1	0.7
Kherson	10.8	18.6	18.9	20	0.4	2.5	5.9	8.4
Khmelnysky	8.9	21.2	16	14.2	0	0	3.3	3.1
Cherkasy	12.8	16	17	18.3	0.5	0.9	2.3	3.4
Chernivtsi	2.4	4	4.2	5.4	0.1	1	0.3	0.8
Chernigiv	10	9.6	12.9	20.1	0.2	0.5	0.2	0.4
Kyiv city	13.1	15.9	15.9	24	1.6	1.7	2.3	5.2
Sevastopol city	32.7	26	34.2	50.4	4.9	1.1	3.5	8.2
<b>Total</b>	<b>14.2</b>	<b>18.2</b>	<b>20.8</b>	<b>25.9</b>	<b>1.8</b>	<b>2.8</b>	<b>4</b>	<b>5.7</b>

Source: Ukrainian AIDS Center.

**Table A1-6. Officially Reported HIV Incidence among Blood Donors and Pregnant Women, by Region, 2004**

	% among donors	% among pregnant		% among donors	% among pregnant
AR Crimea	0.13	0.27	Odesa	0.25	0.60
Vinnitsa	0.06	0.09	Poltava	0.09	0.24
Volyn	0.05	0.11	Rivne	0.05	0.06
Dnipropetrovsk	0.24	0.7	Sumy	0.01	0.07
Donetsk	0.22	0.61	Ternopil	0.02	0.04
Zhytomyr	0.10	0.29	Kharkiv	0.09	0.13
Zakarpatska	0.01	0.10	Kherson	0.15	0.25
Zaporizhya	0.06	0.14	Khmelnysky	0.08	0.42
Ivano-Frankivsk	0.06	0.05	Cherkasy	0.11	0.23
Kyiv	0.20	0.53	Chernivtsi	0.05	0.04
Kirovograd	0.17	0.48	Chernigiv	0.22	0.55
Lugansk	0.08	0.14	Kyiv city	0.14	0.54
Lviv	0.08	0.08	Sevastopol city	0.04	0.30
Mykolayiv	0.33	0.79	<b>Total</b>	<b>0.13</b>	<b>0.34</b>

Source: Ukrainian AIDS Center.

**Table A1-7. HIV Seroprevalence Surveys among Injecting Drug Users (IDUs)**

City	Year	Sample size	% HIV+
Poltava	1999	259	37.8
	2000	259	41.7
	2002	250	31.6
	2004	250	28.
Donetsk	2000	252	39.7
	2002	250	40.0
	2004	250	41.6
Kryvyi Rig	2000	249	28.1
Odesa	2000	293	64.0
	2002	259	58.3
	2004	250	58.1
Simferopol	2000	261	27.2
	2002	250	28.
	2004	363	59.0
Kharkiv	2000	250	17.8
	2002	250	16.
	2004	241	14.
Mykolaiv	2002	250	53
Lutsk	2002	250	32.
	2004	241	32.8
Sumy	2004	164	11.
Kherson	2004	250	31.2

Source: Artyukh et al. (2005a).

**Table A1-8. HIV Seroprevalence Surveys among Commercial Sex Workers (CSWs)**

City	Year	Sample size	% HIV+
Donetsk	2000	53	13.2
	2002	102	31.4
	2004	103	30.1
Lutsk	2002	51	3.9
	2004	51	9.8
Odesa	2002	103	22.3
	2004	124	31.1
Poltava	2002	100	17.0
	2004	100	18.0
Simferopol	2002	100	6.0
	2004	100	19.0
Mykolaiv	2002	100	30.0
Kharkiv	2002	90	12.2
Sumy	2004	20	10.0
Kherson	2004	100	11.0

Source: Artyukh et al. (2005b).

**Table A1-9. HIV Seroprevalence Surveys among Patients with Sexually Transmitted Infections (STIs)**

City	Year	Sample size	% HIV+
Kyiv	1999	252	2.4
	2000	500	1.8
Donetsk	2000	476	1.3
	2002	482	1.2
	2004	300	2.0
Lutsk	2002	310	1.3
	2004	300	1.3
Odesa	2002	333	9.6
	2004	327	9.0
Poltava	2002	300	1.7
	2004	300	3.7
Simferopol	2002	300	12.3
	2004	356	4.8
Kharkiv	2002	300	0.3
	2004	300	1.0
Sumy	2004	200	4.5
Kherson	2004	300	2.7

Source: Artyukh et al. (2005b).