

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	321.4	348.4	298.0
Incidence (world standard)	209.2	263.3	179.8
Incidence (Ukrainian standard)	325.0	431.4	269.7
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	-0.12% ~~	-0.21% ~~	-0.30% ~~
Estimated incidence rate for 2000 (Ukrainian standard)	324.0	428.9	269.0
Mortality (crude rate)	190.5	232.5	154.0
Mortality (world standard)	120.2	174.5	86.5
Mortality (Ukrainian standard)	192.4	289.4	136.3
Estimated mortality rate for 2000 (Ukrainian standard)	196.4	293.7	139.3
Relative 5-year survival rate, %	32.4	24.2	41.4
Median of relative survival (months)	15.2	9.3	31.6
Deaths during the first year of disease (diagnoses of 1999), %	41.5%	50.8%	32.0%
Patients underwent treatment during the first year of disease, %	58.2%	52.0%	64.6%
Microscopically verified diagnoses, %	72.2%	66.0%	78.5%
Probability of developing cancer at the age under 39	1.3% 1 in 75	1.1% 1 in 92	1.6% 1 in 64
Probability of developing cancer at the age 40 – 59	7.6% 1 in 13	8.3% 1 in 12	7.2% 1 in 14
Probability of developing cancer at the age 60+	25.9% 1 in 4	37.4% 1 in 3	20.1% 1 in 5
Lifetime probability of developing cancer	32.4% 1 in 3	43.2% 1 in 2	27.0% 1 in 4

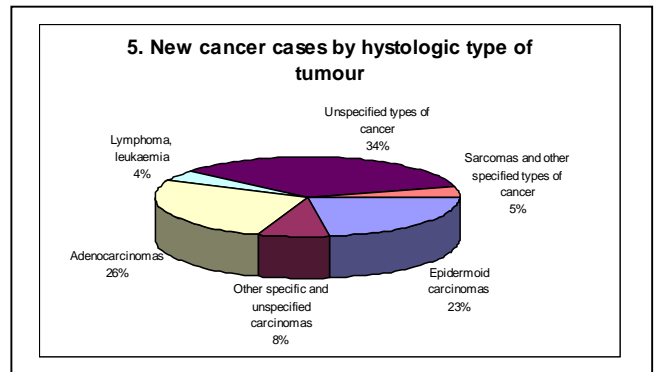


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	321.4	348.4	298.0	325.0	431.4	269.7	22.05	27.68	18.46	160124	80690	79434
Vinnitska	327.7	373.7	289.4	303.6	420.4	245.9	20.92	27.14	17.12	6018	3165	2853
Volynska	257.9	284.9	233.7	277.9	370.3	228.6	19.92	25.75	16.38	2797	1498	1299
Dnipropetrovska	326.9	354.9	302.6	334.0	444.1	277.8	22.54	27.94	19.05	12414	6126	6288
Donetska	342.7	371.1	318.1	333.7	442.8	277.2	22.16	27.89	18.50	16775	8217	8558
Zhytomirska	310.0	353.8	272.0	299.7	412.1	238.5	20.73	26.88	16.66	4407	2294	2113
Zakarpatska	212.9	243.5	184.4	260.4	348.9	203.1	18.61	24.16	14.64	2733	1490	1243
Ivano-Frankivska	253.8	281.8	228.5	279.6	375.9	225.0	19.69	25.76	15.74	3923	1997	1926
Kyivska	353.3	383.7	327.1	352.8	474.8	292.2	23.65	29.86	19.79	6546	3274	3272
Kirovogradska	375.4	424.7	333.5	360.5	503.5	284.8	24.20	31.43	19.42	4414	2241	2173
Louganska	323.9	345.8	304.9	318.4	414.9	269.4	21.78	27.07	18.39	8352	4195	4157
Lvivska	264.7	281.6	249.3	285.0	367.4	240.5	19.97	24.71	16.95	7308	3730	3578
Mykolajivska	345.7	375.7	319.7	370.4	501.3	304.8	24.73	31.13	20.70	4362	2291	2071
Odessa	313.8	317.2	310.7	332.9	409.5	293.2	22.52	26.75	19.97	8693	4122	4571
Poltavska	400.0	442.0	364.7	369.1	499.1	301.3	24.51	30.95	20.25	6482	3337	3145
Rivnenska	248.9	276.4	223.9	281.5	380.0	226.5	19.64	25.52	15.78	2962	1536	1426
Soumska	353.6	400.4	314.1	329.6	454.3	262.6	22.49	29.01	18.16	4917	2472	2445
Kharkivska	315.2	338.2	295.6	312.7	414.7	262.0	21.39	26.71	18.07	8881	4411	4470
Khersonska	358.6	381.9	338.1	396.5	539.9	329.4	25.86	31.85	22.12	4269	2133	2136
Khmelnitska	329.1	380.2	285.3	316.2	446.7	244.1	21.70	28.99	16.93	5012	2624	2388
Cherkasska	349.9	383.3	322.1	324.8	432.9	270.8	22.01	27.66	18.48	5105	2613	2492
Chernivetska	264.1	291.4	240.2	284.9	374.0	234.9	19.84	25.22	16.45	2386	1265	1121
Chernigivska	329.8	383.1	286.1	286.1	396.4	227.3	19.95	25.91	16.04	4148	2217	1931
Kyiv city	348.0	335.0	359.4	413.0	496.5	373.2	25.70	29.08	23.64	9066	4054	5012

Table 3 Mortality, 1999	Crude mortality rate per 100, 000			Age-standardised mortality rate (Ukrainian standard 2000)			Potential years of life lost by able-bodied persons died from cancer in 1999			Estimated number of deaths for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	190.5	232.5	154.0	192.4	289.4	136.3	265400	170236	95164	97064	54918	42146
Vinnitska	187.9	246.7	139.0	172.3	277.2	113.0	10010.1	6814.0	3196.1	3443	2041	1402
Volynska	145.9	182.7	112.8	157.1	239.1	107.1	5119.9	3281.3	1838.6	1675	1001	674
Dnipropetrovska	205.1	250.1	166.3	209.8	312.9	150.3	21537.3	13548.1	7989.3	7512	4237	3275
Donetska	218.0	261.2	180.7	212.4	314.5	154.7	26579.5	16765.6	9813.9	10783	5938	4845
Zhytomirska	193.0	250.2	143.3	185.7	291.9	122.1	8558.7	5829.0	2729.7	2630	1503	1127
Zakarpatska	129.0	165.8	94.7	158.0	235.5	104.2	7270.1	5170.3	2099.8	1638	990	648
Ivano-Frankivska	141.2	175.5	110.3	154.6	233.5	106.9	6506.1	4294.3	2211.8	2127	1267	860
Kyivska	215.6	263.5	174.2	214.1	331.7	148.1	9916.9	6617.4	3299.5	3765	2178	1587
Kirovogradska	201.6	252.9	158.1	193.1	299.6	132.5	6557.4	4146.7	2410.8	2658	1526	1132
Louganska	211.8	249.0	179.6	208.8	303.3	156.3	14287.5	8420.3	5867.2	5612	3150	2462
Lvivska	139.7	167.5	114.3	150.4	217.4	109.0	12609.8	7779.7	4830.2	3881	2264	1617
Mykolajivska	199.8	245.0	160.3	215.7	325.6	151.4	7686.0	4831.0	2855.0	2570	1505	1065
Odessa	197.2	227.9	170.3	211.1	296.6	159.6	14998.2	9480.3	5517.8	4759	2548	2211
Poltavska	198.1	248.8	155.6	181.6	282.2	125.1	8185.8	5064.1	3121.8	3214	1861	1353
Rivnenska	132.8	173.2	96.2	150.8	239.2	96.4	5562.2	3626.6	1935.6	1680	1015	665
Soumska	215.4	275.0	165.3	199.6	312.6	134.0	8098.3	5305.3	2793.1	2934	1704	1230
Kharkivska	200.4	236.3	169.8	198.4	293.3	146.6	15251.8	9541.9	5709.8	5130	2803	2327
Khersonska	210.4	259.2	167.3	234.8	366.0	162.2	7299.5	4898.3	2401.2	2567	1523	1044
Khmelnitska	213.4	275.7	160.0	203.1	326.0	130.9	8578.6	6114.5	2464.1	3115	1830	1285
Cherkasska	163.1	203.3	129.6	149.5	229.5	105.0	6200.6	3831.6	2369.0	3092	1814	1278
Chernivetska	165.1	200.9	133.7	178.2	260.9	128.9	4392.7	2687.6	1705.1	1535	878	657
Chernigivska	223.8	298.8	162.3	190.6	309.4	121.5	7864.1	5576.1	2288.0	2657	1573	1084
Kyiv city	173.1	190.6	157.5	212.5	290.0	167.2	12073.4	7205.5	4867.9	4455	2253	2202

Table 4 Delay in registration	Share of cases of 1998 registered in (%):			Share of cases of 1999 registered in (%):		Share of deaths in 1998 registered in (%):			Share of deaths in 1999 registered in (%):	
	1998	1999	2000	1999	2000	1998	1999	2000	1999	2000
Ukraine	95.7	3.7	0.6	96.4	3.6	96.7	2.6	0.7	98.4	1.6
Vinnitska	99.0	0.8	0.2	98.6	1.4	96.6	1.3	2.1	97.8	2.2
Volynska	94.7	4.7	0.6	96.4	3.6	99.8	0.2	0.0	100.0	0.0
Dnipropetrovska	93.2	6.1	0.7	95.4	4.6	98.0	1.9	0.2	98.9	1.1
Donetska	94.5	4.8	0.7	94.7	5.3	96.8	2.7	0.6	98.5	1.5
Zhytomirska	94.9	4.5	0.6	95.6	4.4	95.2	4.7	0.1	98.1	1.9
Zakarpatska	96.9	2.3	0.8	97.4	2.6	99.6	0.4	0.0	99.8	0.2
Ivano-Frankivska	98.6	1.1	0.3	98.2	1.8	99.7	0.1	0.2	99.7	0.3
Kyivska	97.9	1.7	0.4	99.2	0.8	94.2	4.2	1.6	98.1	1.9
Kirovogradska				99.5	0.5				100.0	0.0
Louganska	97.2	2.3	0.5	98.1	1.9	97.0	2.4	0.6	96.7	3.3
Lvivska	95.4	3.6	1.0	96.5	3.5	91.1	8.7	0.2	99.3	0.7
Mykolajivska	95.0	4.2	0.8	95.2	4.8	98.7	1.1	0.2	99.3	0.7
Odessa	95.7	4.0	0.4	96.0	4.0	93.5	6.1	0.4	98.9	1.1
Poltavska				98.4	1.6				99.8	0.2
Rivnenska	98.1	1.5	0.4	98.6	1.4	100.0	0.0	0.0	100.0	0.0
Soumska	97.7	1.7	0.6	97.5	2.5	98.6	1.2	0.2	99.7	0.3
Kharkivska	97.1	2.4	0.5	96.2	3.8	100.0	0.0	0.0	100.0	0.0
Khersonska	92.5	6.8	0.7	94.0	6.0	99.9	0.1	0.0	100.0	0.0
Khmelnitska	97.6	1.8	0.6	98.6	1.4	94.8	2.8	2.4	95.7	4.3
Cherkasska	89.8	9.5	0.7	90.0	10.0	99.2	0.7	0.1	92.7	7.3
Chernivetska	99.1	0.6	0.3	99.3	0.7	93.4	1.4	5.3	98.3	1.7
Chernigivska	96.7	2.2	1.1	96.9	3.1	100.0	0.0	0.0	100.0	0.0
Kyiv city	94.7	4.1	1.1	94.6	5.4	92.2	6.2	1.6	93.6	6.4

Table 5 Data quality indicators	Primary site not specified in details within an organ or a body system, %			Morphology type not specified, %			Ill-defined or not defined TNM indices, %			Incomplete date of birth, %		
	1998	1999	2000	1998	1999	2000	1998	1999	2000	1998	1999	2000
Ukraine	48.7	39.0	36.5	32.6	34.5	33.1	17.6	15.6	12.2	49.2	37.6	30.0
Vinnitska	51.2	47.8	43.9	36.5	33.7	36.6	3.7	6.3	3.5	41.4	37.1	34.0
Volynska	41.4	8.7	7.5	25.6	16.7	15.8	4.3	4.8	5.5	29.1	11.0	7.5
Dnipropetrovska	38.7	23.2	15.9	30.6	26.5	24.4	13.1	5.0	2.5	3.6	1.9	1.8
Donetska	37.6	30.7	28.3	36.8	36.2	35.3	26.3	22.7	14.3	46.3	26.9	16.8
Zhytomirska	43.3	40.5	41.9	29.1	28.8	24.7	23.5	3.1	3.2	16.0	9.2	5.5
Zakarpatska	44.6	46.2	47.3	43.3	45.3	43.4	33.7	44.7	9.6	56.5	74.7	54.3
Ivano-Frankivska	93.3	51.6	48.7	50.7	32.4	43.6	1.2	5.2	0.8	99.3	93.6	35.2
Kyivska	61.9	48.8	49.5	32.8	28.0	25.2	11.9	6.4	1.9	74.8	55.8	47.7
Kirovogradska		43.2	43.3		58.8	60.6		11.9	13.6		46.5	43.7
Louganska	46.6	33.0	32.1	31.0	27.8	29.2	15.7	18.4	17.3	22.0	10.0	13.2
Lvivska	49.8	47.4	46.2	27.1	41.6	39.3	14.0	10.7	8.3	50.6	41.6	4.3
Mykolajivska	36.5	34.0	32.0	22.7	20.2	26.4	11.0	3.5	4.5	29.6	28.2	22.8
Odessa	17.1	14.0	7.3	14.8	16.1	12.4	2.0	1.2	0.5	4.0	0.9	1.5
Poltavska		55.2	53.7		50.9	51.1		89.9	74.3		36.7	35.7
Rivnenska	47.4	40.5	46.5	35.5	42.6	44.7	9.4	5.2	3.6	70.5	47.9	52.1
Soumska	42.2	42.3	39.5	31.0	33.5	38.0	7.4	2.9	13.3	33.7	31.4	30.3
Kharkivska	72.9	48.8	52.2	42.2	43.6	36.6	7.3	8.5	7.3	98.9	98.3	91.1
Khersonska	51.0	47.9	45.8	34.5	35.9	38.3	12.5	18.1	3.8	30.8	24.0	20.7
Khmelnitska	53.2	44.5	42.4	28.6	54.9	44.4	55.8	4.9	5.0	74.3	73.7	25.1
Cherkasska	90.2	60.4	47.4	51.7	43.0	39.9	3.7	24.5	20.7	50.8	44.0	41.9
Chernivetska	42.1	37.8	34.0	38.0	33.5	39.7	53.4	24.5	3.3	86.8	28.1	22.5
Chernigivska	58.1	30.1	25.6	36.0	32.5	26.5	38.4	16.0	9.9	91.1	26.0	13.1
Kyiv city	45.7	45.4	41.3	23.8	24.8	20.5	37.1	14.7	15.2	89.4	64.6	38.3
AR Krym			47.7			34.3			31.4			90.1
Sevastopol city			6.8			25.3			0.8			19.8

Table 6 Deaths during the first year and post mortem cases	Died during the first year among new cases of, %			New cases of 1999 died during (%):			Number of diagnosed post mortem			from among them without autopsy		
	1997	1998	1999	first month	first 3 months	first 6 months	1998	1999	2000	1998	1999	2000
Ukraine	43.7	42.5	41.5	7.8	20.2	30.8	3.8%	3.4%	3.4%	26.8%	21.3%	20.9%
Vinnitska	41.2	40.1	39.9	4.2	15.5	25.8	47	43	70	14	12	37
Volynska	46.5	46.0	40.7	6.7	18.9	29.4	99	61	95	6	11	6
Dnipropetrovska		44.3	44.3	10.1	22.7	33.4	290	387	328	21	23	22
Donetska	47.2	44.5	45.4	7.3	21.1	33.0	318	294	270	35	14	10
Zhytomirska	45.6	46.1	44.3	7.5	20.6	32.6	69	67	67	0	3	26
Zakarpatska	48.5	46.3	44.8	8.8	21.6	32.5	39	55	28	11	14	8
Ivano-Frankivska	44.0	42.2	40.3	6.2	20.0	29.8	5	13	11	1	1	0
Kyivska	44.2	42.6	42.4	7.0	20.7	31.4	74	85	74	4	21	8
Kirovogradska			41.7	7.4	21.3	32.3		83	76		6	0
Louganska	51.6	48.4	45.9	10.6	24.1	35.1	98	97	99	0	0	0
Lvivska	40.9	39.9	37.7	4.2	12.9	26.2	68	79	58	40	64	33
Mykolajivska	48.1	43.9	41.2	7.9	20.9	30.3	251	112	133	174	20	45
Odeska	34.3	37.2	38.0	8.1	20.4	29.8	162	201	246	0	2	8
Poltavska			38.5	4.9	16.4	29.2		10	11		0	0
Rivnenska		42.2	43.8	7.0	20.5	32.8	15	14	27	0	7	16
Soumska	42.8	41.3	41.8	5.4	18.0	29.3	55	50	38	7	1	1
Kharkivska	45.2	43.5	42.4	11.3	22.7	32.8	779	546	452	387	260	246
Khersonska	43.9	44.0	43.2	7.7	20.7	32.2	70	46	67	5	2	4
Khmelnitska	47.7	45.4	44.8	9.6	21.6	33.1	163	146	156	17	1	0
Cherkasska	41.6	41.3	38.0	8.8	18.7	27.8	238	231	224	1	50	18
Chernivetska	40.6	41.6	40.7	9.3	23.8	33.5	14	14	19	0	0	0
Chernigivska	48.4	46.7	45.0	13.9	28.7	36.5	135	161	135	96	101	87
Kyiv city	33.0	31.3	29.3	5.0	14.6	21.3	62	77	99	0	0	0
AR Krym									108			28
Sevastopol city									49			11

Table 7 Activities of oncological services	Proportion of patients with diagnosis microscopically verified, %			Proportion of patients diagnosed at the time of preventive inspections, %			Proportion of neglected cases, %			Proportion of patients underwent treatment among new cases of, %		
	1998	1999	2000	1998	1999	2000	1998	1999	2000	1998	1999	2000
Ukraine	72.3	72.2	72.6	15.4	16.5	16.8	24.7	24.8	23.3	57.9	58.2	57.4
Vinnitska	65.7	67.6	76.5	15.9	16.2	20.1	28.0	26.8	24.7	56.4	54.0	54.9
Volynska	79.3	83.9	85.4	13.2	17.2	18.2	34.1	30.4	27.5	59.7	66.0	59.4
Dnipropetrovska	73.4	75.6	77.9	11.0	12.0	12.0	25.5	25.7	23.3	57.9	57.8	58.5
Donetska	63.3	64.1	64.9	20.3	21.3	22.5	25.0	24.2	22.3	59.9	57.7	54.9
Zhytomirska	69.5	69.8	71.2	19.1	22.7	22.9	24.2	26.7	23.6	57.4	57.9	58.4
Zakarpatska	63.9	61.8	61.6	18.8	17.6	19.9	32.2	33.4	27.6	55.0	52.3	48.9
Ivano-Frankivska	75.7	69.1	61.5	5.3	6.0	7.0	18.3	29.5	31.6	46.2	52.4	50.8
Kyivska	76.9	79.6	79.2	8.5	8.6	10.8	27.4	26.4	25.6	61.6	61.5	58.4
Kirovogradska		63.1	56.6		13.7	8.0		29.5	25.3		49.8	48.6
Louganska	71.3	73.6	72.5	12.3	12.5	16.4	23.3	26.1	26.5	57.5	57.0	51.7
Lvivska	78.3	77.9	78.7	23.0	18.8	19.1	20.7	19.0	18.6	59.9	62.4	64.1
Mykolajivska	77.0	79.1	73.4	19.8	33.3	32.4	30.1	28.7	26.6	58.9	60.2	55.9
Odeska	85.9	87.9	89.2	15.1	16.4	16.0	23.4	26.4	24.5	61.8	70.7	70.6
Poltavska		61.5	64.5		18.7	19.3		24.2	23.7		44.0	45.7
Rivnenska	65.8	69.2	69.3	20.9	21.9	24.3	34.3	34.4	33.1	48.4	55.6	55.4
Soumska	75.3	73.0	73.8	9.7	10.3	12.2	23.5	22.2	16.4	65.3	64.2	64.0
Kharkivska	64.7	65.4	69.4	13.5	12.7	14.8	25.0	21.7	21.2	48.0	52.7	57.0
Khersonska	71.4	70.3	70.6	14.0	15.2	17.1	27.8	30.5	31.5	60.6	60.3	58.6
Khmelnitska	66.1	68.2	67.1	16.9	17.3	17.9	21.0	22.8	18.2	56.8	55.0	54.9
Cherkasska	74.8	74.2	78.8	8.4	6.5	11.5	28.1	25.0	26.6	38.3	50.1	56.9
Chernivetska	73.9	72.1	65.4	22.8	23.9	18.5	24.2	24.7	25.3	63.7	61.0	59.3
Chernigivska	71.0	70.0	74.6	5.1	5.2	9.7	30.6	29.0	27.9	64.0	63.2	65.1
Kyiv city	81.5	83.2	83.1	24.5	27.9	29.7	12.8	11.5	11.1	68.7	68.6	67.7
AR Krym			61.7			2.0			21.7			51.2
Sevastopol city			75.7			14.8			28.5			55.6