

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	8.9	16.3	2.5
Incidence (world standard)	6.3	12.8	1.5
Incidence (Ukrainian standard)	9.0	18.6	2.2
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	1.12% ~~	1.64% ~~	0.00% ~~
<b>Estimated incidence rate for 2000 (Ukrainian standard)</b>	9.0	18.4	2.2
Mortality (crude rate)	6.6	12.7	1.3
Mortality (world standard)	4.6	9.9	0.7
Mortality (Ukrainian standard)	6.7	14.6	1.2
<b>Estimated mortality rate for 2000 (Ukrainian standard)</b>	6.9	14.8	1.3
Relative 5-year survival rate, %	17.2	13.7	36.3
Median of relative survival (months)	11.5	10.7	22.3
Deaths during the first year of disease (diagnoses of 1999), %	52.2%	54.7%	37.6%
Patients underwent treatment during the first year of disease, %	75.3%	75.2%	75.6%
Microscopically verified diagnoses, %	92.6%	92.9%	90.8%
Probability of developing cancer at the age under 39	0.0% 1 in 4820	0.0% 1 in 3568	0.0% 1 in 7270
Probability of developing cancer at the age 40 – 59	0.4% 1 in 286	0.7% 1 in 143	0.1% 1 in 1716
Probability of developing cancer at the age 60+	0.6% 1 in 180	1.2% 1 in 83	0.2% 1 in 485
Lifetime probability of developing cancer	0.9% 1 in 108	1.9% 1 in 52	0.3% 1 in 359

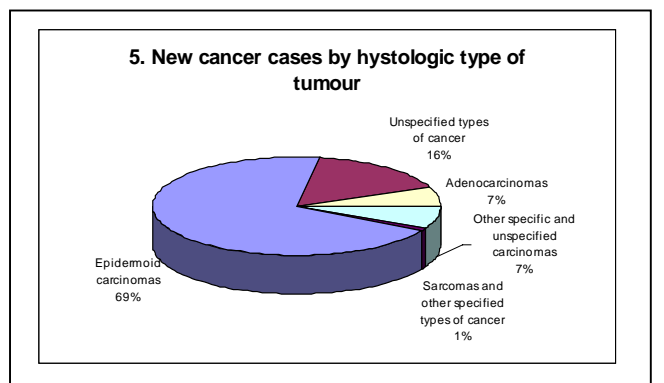


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣
Ukraine	8.9	16.3	2.5	9.0	18.6	2.2	0.73	1.51	0.16	4422	3767	655
Vinnitska	11.2	21.9	2.3	10.9	23.4	2.0	0.89	1.92	0.14	232	206	26
Volynska	7.2	13.1	1.8	7.9	15.6	1.7	0.66	1.36	0.12	79	66	13
Dnipropetrovska	7.5	14.3	1.6	7.5	16.0	1.5	0.60	1.27	0.11	293	242	51
Donetska	7.6	13.5	2.6	7.4	15.4	2.3	0.59	1.20	0.16	328	263	65
Zhytomirska	12.2	22.3	3.4	12.2	25.1	3.1	0.98	1.96	0.24	154	138	16
Zakarpatska	8.7	17.2	0.8	10.2	22.0	0.8	0.85	1.85	0.07	104	91	13
Ivano-Frankivska	6.1	10.8	2.0	6.9	13.9	2.0	0.55	1.12	0.14	96	74	22
Kyivska	11.6	22.4	2.2	11.7	25.1	1.8	0.98	2.11	0.13	215	180	35
Kirovogradska	8.5	14.3	3.6	8.4	15.6	3.1	0.62	1.21	0.18	108	91	17
Louganska	7.5	13.6	2.2	7.5	15.7	2.0	0.59	1.23	0.13	211	168	43
Lvivska	7.6	13.3	2.5	8.1	15.8	2.3	0.69	1.37	0.18	171	151	20
Mykolajivska	8.2	14.4	2.7	8.6	16.9	2.5	0.71	1.41	0.19	114	97	17
Odessa	11.1	20.8	2.5	11.4	24.4	2.4	0.94	1.99	0.18	335	291	44
Poltavska	11.4	20.4	3.8	11.0	22.1	3.1	0.86	1.68	0.24	209	166	43
Rivnenska	7.8	13.8	2.3	9.0	18.7	2.1	0.72	1.47	0.17	97	84	13
Soumska	10.7	19.4	3.3	10.3	20.4	2.6	0.83	1.71	0.18	152	137	15
Kharkivska	9.1	16.4	2.9	9.1	18.5	2.6	0.73	1.48	0.20	227	197	30
Khersonska	7.2	12.5	2.6	7.6	14.4	2.5	0.64	1.18	0.22	84	74	10
Khmelnitska	10.6	20.8	1.8	10.6	23.1	1.5	0.88	1.93	0.11	139	116	23
Cherkasska	12.7	23.1	4.0	12.1	24.8	3.3	0.93	1.90	0.22	191	156	35
Chernivetska	5.2	9.1	1.8	5.7	11.1	1.7	0.45	0.96	0.08	56	45	11
Chernigivska	9.7	19.5	1.7	9.1	19.9	1.2	0.74	1.58	0.09	134	126	8
Kyiv city	7.9	14.2	2.4	8.8	17.8	2.4	0.73	1.47	0.18	173	139	34

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	6.6	12.7	1.3	6.7	14.6	1.2	1272.3	1196.8	755	3392	3003	389
Vinnitska	8.4	17.5	0.7	8.1	18.9	0.6	637.6	636.2	1.4	173	164	9
Volynska	6.6	12.9	0.9	7.5	16.6	0.8	275.6	275.6	0.0	61	55	6
Dnipropetrovska	6.4	12.8	0.9	6.4	14.3	0.8	1055.1	1008.3	46.8	222	196	26
Donetska	5.5	10.0	1.7	5.3	11.2	1.4	832.0	735.0	97.0	294	252	42
Zhytomirska	8.9	17.4	1.6	8.8	19.1	1.3	434.8	414.8	19.9	125	116	9
Zakarpatska	6.9	13.6	0.6	8.1	17.6	0.7	513.6	499.6	14.0	80	71	9
Ivano-Frankivska	4.4	7.7	1.4	4.9	9.7	1.4	240.8	229.2	11.7	63	53	10
Kyivska	8.6	16.8	1.6	8.8	19.3	1.4	677.8	642.2	35.7	160	147	13
Kirovogradska	5.3	10.2	1.1	5.2	11.5	1.0	240.8	230.7	10.1	77	66	11
Louganska	5.7	10.3	1.7	5.6	11.9	1.4	548.3	486.8	61.5	164	142	22
Lvivska	4.8	8.8	1.2	5.3	10.7	1.2	562.4	540.8	21.6	117	109	8
Mykolajivska	6.3	12.5	0.9	6.5	14.8	0.8	272.4	272.4	0.0	95	88	7
Odessa	9.5	18.5	1.6	9.9	22.4	1.5	969.3	899.8	69.4	241	218	23
Poltavska	8.1	15.4	1.9	7.7	16.8	1.4	430.2	404.4	25.8	130	112	18
Rivnenska	4.8	9.7	0.3	5.6	13.1	0.3	230.1	230.1	0.0	83	74	9
Soumska	8.3	15.1	2.6	7.9	16.0	1.8	355.4	341.6	13.8	109	96	13
Kharkivska	7.3	14.0	1.6	7.2	16.0	1.3	722.0	657.3	64.7	175	150	25
Khersonska	6.0	11.2	1.4	6.3	13.2	1.3	418.1	367.9	50.2	72	66	6
Khmelnitska	7.6	15.4	1.0	7.5	16.9	0.8	518.4	455.0	63.4	132	120	12
Cherkasska	6.2	12.8	0.8	5.8	13.9	0.5	244.9	244.9	0.0	147	127	20
Chernivetska	5.0	8.7	1.8	5.4	11.0	1.7	95.9	95.9	0.0	48	41	7
Chernigivska	8.6	17.1	1.7	8.1	17.4	1.1	484.3	443.5	40.8	92	91	1
Kyiv city	5.0	9.2	1.4	5.7	11.5	1.5	512.6	491.8	20.8	149	130	19

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	95.8	3.6	0.6	96.4	3.6	96.8	2.7	0.5	98.8	1.2
Vinnitska	98.9	1.1	0.0	99.0	1.0	97.7	0.6	1.8	98.7	1.3
Volynska	92.4	7.6	0.0	94.7	5.3	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	95.2	4.8	0.0	99.3	0.7	96.4	3.6	0.0	99.2	0.8
Donetska	93.1	6.1	0.8	91.1	8.9	97.7	2.3	0.0	98.9	1.1
Zhytomirska	95.9	4.1	0.0	98.3	1.7	96.3	3.7	0.0	97.7	2.3
Zakarpatska	98.9	0.0	1.1	98.2	1.8	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	100.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Kyivska	96.8	2.3	0.9	99.5	0.5	93.1	5.0	1.9	98.7	1.3
Kirovogradska				100.0	0.0				100.0	0.0
Louganska	96.9	2.6	0.5	99.0	1.0	98.3	1.7	0.0	99.3	0.7
Lvivska	97.3	2.1	0.5	95.1	4.9	88.1	11.9	0.0	100.0	0.0
Mykolajivska	94.4	3.7	1.9	95.3	4.7	100.0	0.0	0.0	98.8	1.2
Odessa	93.7	6.3	0.0	96.8	3.2	92.5	7.5	0.0	100.0	0.0
Poltavska				100.0	0.0				99.3	0.7
Rivnenska	96.4	3.6	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Soumska	98.3	1.1	0.6	99.3	0.7	99.2	0.8	0.0	100.0	0.0
Kharkivska	97.7	2.3	0.0	97.1	2.9	100.0	0.0	0.0	100.0	0.0
Khersonska	93.4	6.6	0.0	89.9	10.1	100.0	0.0	0.0	100.0	0.0
Khmelnitska	98.5	0.7	0.7	98.1	1.9	97.4	1.8	0.9	99.1	0.9
Cherkasska	90.6	8.2	1.2	87.6	12.4	99.2	0.0	0.8	89.0	11.0
Chernivetska	100.0	0.0	0.0	100.0	0.0	96.5	0.0	3.5	97.9	2.1
Chernigivska	99.3	0.0	0.7	96.8	3.2	100.0	0.0	0.0	100.0	0.0
Kyiv city	91.1	5.2	3.7	90.8	9.2	90.4	5.6	4.0	93.9	6.1

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	65.6	59.9	56.0	12.7	15.7	16.3	13.9	9.8	7.7	43.3	31.2	27.0
Vinnitska	66.5	54.0	55.7	12.2	13.4	28.7	3.7	2.0	1.3	18.1	15.3	25.7
Volynska	57.5	40.3	24.0	0.0	1.4	1.3	2.7	1.4	0.0	26.0	11.1	4.0
Dnipropetrovska	63.3	56.5	43.3	10.0	5.0	6.5	4.2	0.4	0.0	1.2	0.7	1.4
Donetska	55.8	52.2	47.4	15.1	13.8	12.9	27.7	19.9	11.6	46.3	24.2	18.2
Zhytomirska	61.7	71.5	60.9	9.2	5.8	6.6	17.7	1.2	0.0	10.6	4.7	1.3
Zakarpatska	65.2	64.2	82.4	11.9	14.7	26.5	12.0	9.2	6.9	41.3	69.7	39.2
Ivano-Frankivska	97.8	59.5	62.5	26.5	15.7	17.7	4.3	2.2	0.0	98.9	98.9	51.0
Kyivska	79.1	70.3	69.6	19.0	16.0	10.3	10.9	0.5	0.0	74.9	48.1	50.5
Kirovogradska		65.0	70.4		36.0	38.9		5.0	6.5		41.0	38.9
Louganska	67.0	63.8	58.4	8.1	9.5	12.4	2.2	5.5	9.6	11.4	3.5	10.0
Lvivska	66.1	56.6	59.9	13.1	35.7	33.3	9.3	6.6	2.5	40.4	32.1	7.4
Mykolajivska	54.9	53.9	59.1	2.0	1.0	6.4	6.9	0.0	0.9	20.6	16.7	12.7
Odessa	29.6	28.6	18.5	9.9	7.1	4.0	0.3	0.0	0.0	4.1	0.7	0.9
Poltavska		71.4	60.8		39.1	31.1		97.9	71.3		16.1	18.2
Rivnenska	56.8	53.3	56.7	11.1	32.6	22.7	4.9	2.2	0.0	61.7	34.8	38.1
Soumska	53.7	60.1	66.2	18.3	15.4	24.5	4.6	0.7	4.6	24.6	13.3	15.9
Kharkivska	85.8	77.7	72.9	19.7	13.6	12.7	4.7	1.5	1.4	98.8	99.6	97.3
Khersonska	74.1	68.8	61.8	18.9	15.0	15.8	11.8	6.3	0.0	20.0	8.8	17.1
Khmelnitska	66.4	71.7	72.3	6.7	23.7	24.1	63.4	0.7	0.7	73.1	69.1	19.7
Cherkasska	90.9	64.2	48.5	16.4	22.2	16.6	3.3	15.4	13.0	33.3	32.1	28.4
Chernivetska	79.1	77.6	73.2	14.9	10.2	25.0	50.7	6.1	3.6	86.6	20.4	14.3
Chernigivska	77.9	42.6	43.1	11.0	9.0	10.0	33.1	9.8	0.0	91.9	20.5	6.9
Kyiv city	74.7	68.4	66.7	6.9	11.8	5.7	39.7	7.0	13.2	85.6	59.4	41.5
AR Krym			72.3			26.2			13.8			93.8
Sevastopol city			35.1			0.0			0.0			10.8

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	54.7	53.0	52.2	2.8	11.4	26.4	1.2%	0.6%	0.8%	41.2%	29.4%	12.5%
Vinnitska	60.5	50.3	49.5	1.6	12.1	21.1	0	0	3	0	0	2
Volynska	56.3	52.6	60.9		7.2	31.9	0	0	0	0	0	0
Dnipropetrovska		56.2	54.8	2.2	15.2	29.6	2	2	2	0	0	0
Donetska	59.0	56.8	56.3	3.8	11.5	29.7	6	4	0	1	0	0
Zhytomirska	54.4	57.1	56.2	2.4	8.3	23.7	1	0	0	0	0	0
Zakarpatska	57.5	55.6	58.2	2.7	10.0	30.0	0	0	0	0	0	0
Ivano-Frankivska	45.7	48.4	51.8	1.2	12.9	24.7	0	0	0	0	0	0
Kyivska	53.9	53.3	51.2	2.4	9.2	22.2	2	0	0	0	0	0
Kirovogradska			55.6	3.0	14.1	31.3		0	1		0	0
Louganska	63.8	54.9	60.2	3.2	17.7	33.9	0	1	1	0	0	0
Lvivska	42.4	54.0	46.0	2.5	11.1	24.2	2	0	0	2	0	0
Mykolajivska	57.9	52.3	55.2	1.9	10.5	24.8	2	0	0	2	0	0
Odessa	48.2	49.4	42.8	5.5	13.3	29.2	1	3	8	0	0	1
Poltavska			50.0	2.2	11.8	24.7		0	0		0	0
Rivnenska		48.8	54.4	1.1	8.9	27.8	1	0	0	0	0	0
Soumska	60.8	55.7	52.6	0.7	9.5	21.2	2	0	2	2	0	0
Kharkivska	56.3	53.8	54.0	4.9	13.2	30.6	10	3	0	7	2	0
Khersonska	57.3	53.9	62.4		8.2	24.7	0	0	0	0	0	0
Khmelnitska	50.0	57.0	53.0	2.6	10.6	26.5	1	0	2	0	0	0
Cherkasska	56.7	46.4	48.3	2.9	7.6	18.6	4	3	3	0	2	0
Chernivetska	42.4	38.5	42.6	2.1	8.5	25.5	0	0	0	0	0	0
Chernigivska	64.9	61.5	53.8	4.3	14.5	29.1	0	1	0	0	1	0
Kyiv city	42.1	44.2	41.8	1.5	7.5	19.9	0	0	0	0	0	0
АР Крим									0			0
м.Севастополь									2			0

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	92.6	92.6	91.4	13.0	12.6	12.5	53.9	53.5	54.1	74.4	75.3	72.6
Vinnitska	89.5	93.6	85.7	12.8	7.9	14.5	45.8	46.1	41.3	86.0	82.6	76.0
Volynska	98.7	100.0	98.7	7.7	2.9	12.5	50.6	60.5	57.3	83.3	82.6	80.6
Dnipropetrovska	92.6	95.0	95.9	6.0	6.7	4.3	67.3	65.0	67.7	72.5	73.3	67.6
Donetska	88.6	87.4	87.7	15.6	16.2	15.5	43.9	46.5	48.3	75.5	67.3	69.8
Zhytomirska	93.2	94.9	95.4	25.2	14.8	26.2	61.2	61.7	55.6	78.9	85.8	77.9
Zakarpatska	90.3	91.9	86.3	7.8	10.9	7.1	60.2	71.2	66.7	84.4	89.1	72.4
Ivano-Frankivska	93.6	87.6	83.3	1.1	2.4	5.4	37.2	61.8	76.0	80.2	71.8	75.0
Kyivska	92.2	95.8	95.8	5.7	8.2	9.8	61.5	55.9	64.5	71.9	81.2	77.6
Kirovogradska		81.0	79.6		13.1	5.8		55.0	51.9		71.7	62.1
Louganska	95.8	92.0	90.9	6.6	4.8	4.1	70.2	62.2	65.1	82.4	68.8	66.2
Lvivska	94.1	96.1	97.5	18.2	15.2	16.7	58.0	52.9	62.6	74.4	72.7	79.5
Mykolajivska	98.1	99.1	92.9	11.2	44.8	41.0	73.1	57.0	58.4	65.4	77.1	72.4
Odessa	93.4	94.6	98.5	10.7	13.3	15.0	62.7	57.9	47.2	66.7	76.0	76.0
Poltavska		81.8	84.2		14.0	13.2		56.8	52.6		63.5	65.0
Rivnenska	88.1	91.3	94.8	32.1	21.1	43.2	58.3	52.2	60.8	75.0	70.0	83.2
Soumska	93.3	95.8	92.1	5.4	8.8	3.6	32.6	32.6	25.8	77.8	80.3	75.7
Kharkivska	85.4	89.7	91.6	14.6	8.3	9.2	53.1	57.0	60.7	69.2	68.3	76.9
Khersonska	91.2	96.6	93.4	15.7	11.8	9.7	64.8	60.7	72.4	74.2	82.4	77.8
Khmelnitska	100.0	97.4	86.1	16.3	17.2	9.1	39.7	33.5	29.9	77.0	82.1	59.8
Cherkasska	96.5	90.3	96.2	7.8	7.0	6.3	56.1	57.8	60.0	41.0	65.7	76.1
Chernivetska	91.0	93.9	85.7	40.0	44.7	22.6	46.3	38.8	37.5	89.2	89.4	75.5
Chernigivska	93.4	93.7	90.8	8.5	5.1	5.6	54.7	54.0	60.0	85.4	88.9	88.9
Kyiv city	95.8	97.1	96.9	25.4	18.9	26.2	31.9	35.4	31.1	80.1	77.6	83.4
АР Krym			82.8			1.6			52.6			52.1
Sevastopol city			100.0			9.1			59.5			45.5