

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	16.5	18.8	14.4
Incidence (world standard)	9.9	13.8	7.7
Incidence (Ukrainian standard)	16.6	24.1	12.7
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	2.47% ~~	4.78% ~~	0.00% ~~
Estimated incidence rate for 2000 (Ukrainian standard)	2.47%	4.78%	0.00%
Mortality (crude rate)	11.2	12.9	9.7
Mortality (world standard)	6.5	9.5	4.9
Mortality (Ukrainian standard)	11.3	17.1	8.3
Estimated mortality rate for 2000 (Ukrainian standard)	11.28	16.75	8.46
Relative 5-year survival rate, %	24.0	23.3	24.7
Median of relative survival (months)	17.4	17.6	17.3
Deaths during the first year of disease (diagnoses of 1999), %	38.5%	39.7%	37.1%
Patients underwent treatment during the first year of disease, %	61.0%	61.1%	60.9%
Microscopically verified diagnoses, %	80.3%	80.1%	80.7%
Probability of developing cancer at the age under 39	0.0% 1 in 5212	0.0% 1 in 5016	0.0% 1 in 5419
Probability of developing cancer at the age 40 – 59	0.3% 1 in 319	0.4% 1 in 283	0.3% 1 in 355
Probability of developing cancer at the age 60+	1.8% 1 in 56	3.0% 1 in 34	1.3% 1 in 79
Lifetime probability of developing cancer	2.1% 1 in 47	3.3% 1 in 30	1.6% 1 in 64

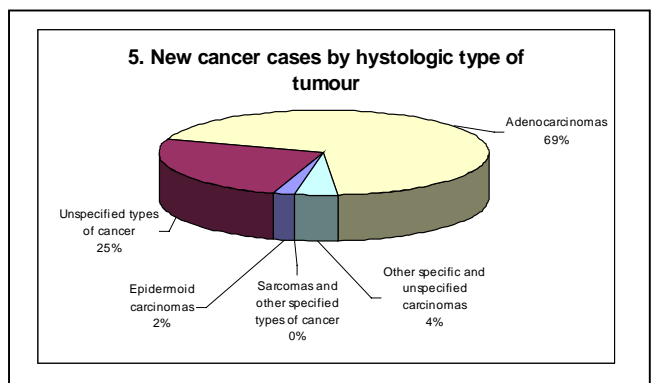


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	16.5	18.8	14.4	16.6	24.1	12.7	1.27	1.77	0.96	8058	4240	3818
Vinnitska	16.5	18.8	14.6	14.9	21.5	11.6	1.13	1.56	0.89	288	166	122
Volynska	17.0	19.7	14.5	18.2	26.2	13.4	1.43	2.02	1.06	134	75	59
Dnipropetrovska	18.1	21.5	15.1	18.6	29.1	13.6	1.37	1.89	1.05	714	365	349
Donetska	17.9	20.2	16.0	17.3	24.7	13.5	1.30	1.80	1.00	875	434	441
Zhytomirska	16.8	19.4	14.6	15.9	23.3	11.8	1.26	1.72	0.95	217	103	114
Zakarpatska	7.4	8.7	6.2	9.2	12.6	6.9	0.77	1.01	0.60	108	66	42
Ivano-Frankivska	11.1	12.4	10.0	12.3	17.2	9.6	0.92	1.27	0.71	180	101	79
Kyivska	18.7	19.9	17.7	18.6	24.6	14.8	1.46	1.96	1.12	340	179	161
Kirovogradska	19.7	23.2	16.7	19.0	28.4	14.6	1.51	2.11	1.18	239	128	111
Louganska	18.3	19.5	17.3	18.0	24.7	14.8	1.37	1.85	1.09	490	241	249
Lvivska	11.9	12.6	11.3	12.8	16.9	10.4	1.00	1.30	0.81	333	183	150
Mykolajivska	15.3	19.0	12.0	16.8	28.7	11.6	1.19	1.75	0.87	234	138	96
Odessa	14.8	15.8	13.9	16.0	21.7	13.0	1.21	1.67	0.94	430	228	202
Poltavska	23.7	28.4	19.8	21.5	32.5	15.5	1.63	2.45	1.11	366	208	158
Rivnenska	12.6	15.8	9.7	14.4	23.5	9.6	1.01	1.49	0.70	177	97	80
Soumska	18.9	22.0	16.3	17.4	25.3	13.3	1.36	1.88	1.04	268	136	132
Kharkivska	16.4	18.6	14.5	16.2	23.2	12.4	1.27	1.76	0.97	512	264	248
Khersonska	13.8	14.7	13.0	15.2	20.7	12.4	1.17	1.55	0.93	153	82	71
Khmelnitska	15.7	18.3	13.5	14.9	22.3	11.1	1.21	1.64	0.95	232	115	117
Cherkasska	17.8	22.3	14.1	16.2	26.0	11.5	1.25	1.75	0.93	277	148	129
Chernivetska	10.9	13.7	8.4	11.9	17.8	8.5	0.98	1.46	0.68	110	60	50
Chernigivska	19.7	21.9	17.9	16.0	22.8	12.5	1.19	1.69	0.89	225	125	100
Kyiv city	17.5	21.3	14.1	21.8	32.2	15.2	1.63	2.43	1.08	491	241	250

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	11.2	12.9	9.7	11.3	17.1	8.3	6794.9	4434.2	2360.8	5577	2953	2624
Vinnitska	10.8	13.7	8.5	9.5	15.9	6.4	186.6	141.6	45.0	205	103	102
Volynska	10.8	11.3	10.4	11.5	15.5	9.6	102.8	60.3	42.4	85	49	36
Dnipropetrovska	13.3	15.8	11.1	13.7	21.3	9.9	666.7	474.7	192.0	485	263	222
Donetska	12.8	14.3	11.4	12.5	18.6	9.6	724.4	427.5	296.9	630	308	322
Zhytomirska	12.0	13.9	10.3	11.2	17.2	8.1	231.3	189.3	42.0	137	67	70
Zakarpatska	4.8	6.3	3.3	6.0	9.6	3.7	98.2	88.4	9.8	63	31	32
Ivano-Frankivska	8.5	9.9	7.2	9.3	15.0	6.6	139.8	65.3	74.5	83	44	39
Kyivska	12.3	13.8	10.9	12.1	17.6	8.9	271.9	224.7	47.3	215	118	97
Kirovogradska	11.4	12.4	10.6	10.8	15.7	8.5	156.5	92.2	64.3	153	79	74
Louganska	13.1	14.8	11.7	13.0	19.9	9.9	479.1	212.8	266.3	321	173	148
Lvivska	7.6	7.4	7.8	8.3	10.4	7.2	241.9	152.8	89.1	213	116	97
Mykolajivska	10.9	12.1	9.7	11.9	17.1	9.4	171.0	94.0	77.0	154	79	75
Odessa	10.9	12.0	9.9	11.8	16.4	9.2	435.3	240.3	195.0	285	141	144
Poltavska	12.3	14.9	10.1	11.0	17.6	7.4	180.8	150.8	29.9	210	116	94
Rivnenska	8.1	11.0	5.5	9.3	15.8	5.2	163.5	151.8	11.8	122	69	53
Soumska	13.7	18.3	9.8	12.3	21.9	7.5	188.9	142.8	46.1	181	101	80
Kharkivska	11.6	13.7	9.8	11.5	17.7	8.3	428.6	314.8	113.8	326	163	163
Khersonska	10.1	9.9	10.4	11.2	14.4	9.7	206.6	139.5	67.1	100	58	42
Khmelnitska	10.9	13.3	8.8	10.1	16.7	6.8	97.1	49.1	48.0	150	73	77
Cherkasska	9.2	12.2	6.8	8.2	14.7	5.4	143.0	65.9	77.1	172	94	78
Chernivetska	9.6	10.5	8.8	10.3	13.8	8.4	76.7	28.5	48.2	74	39	35
Chernigivska	13.1	15.0	11.5	10.4	16.3	7.8	191.7	100.8	90.9	139	76	63
Kyiv city	11.3	13.1	9.8	14.5	20.8	10.7	438.3	321.0	117.3	270	149	121

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	95.4	3.9	0.7	95.9	4.1	97.6	2.0	0.4	98.3	1.7
Vinnitska	98.6	1.1	0.4	97.0	3.0	97.5	1.0	1.5	94.4	5.6
Volynska	92.1	6.6	1.3	96.1	3.9	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	94.2	5.5	0.3	92.3	7.7	98.5	1.1	0.4	99.4	0.6
Donetska	93.8	5.3	0.9	94.1	5.9	98.8	0.9	0.3	97.8	2.2
Zhytomirska	94.2	4.5	1.2	94.6	5.4	93.6	6.4	0.0	99.4	0.6
Zakarpatska	93.9	4.9	1.2	97.9	2.1	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	97.4	1.9	0.6	98.8	1.3	100.0	0.0	0.0	100.0	0.0
Kyivska	97.5	2.5	0.0	99.1	0.9	93.9	5.2	0.9	97.3	2.7
Kirovogradska				100.0	0.0				99.3	0.7
Louganska	98.8	1.0	0.2	98.0	2.0	98.5	1.2	0.3	95.4	4.6
Lvivska	97.8	1.9	0.3	96.0	4.0	93.8	6.2	0.0	99.5	0.5
Mykolajivska	94.5	4.6	0.9	94.5	5.5	98.0	2.0	0.0	99.3	0.7
Odessa	95.5	4.0	0.5	95.4	4.6	96.0	4.0	0.0	97.8	2.2
Poltavska				97.8	2.2				100.0	0.0
Rivnenska	96.8	3.2	0.0	98.7	1.3	100.0	0.0	0.0	100.0	0.0
Soumska	98.1	1.1	0.8	98.8	1.2	97.8	2.2	0.0	100.0	0.0
Kharkivska	95.1	3.4	1.5	94.7	5.3	100.0	0.0	0.0	100.0	0.0
Khersonska	91.2	8.8	0.0	95.3	4.7	100.0	0.0	0.0	100.0	0.0
Khmelnitska	98.1	0.9	0.9	97.0	3.0	97.1	2.3	0.6	98.1	1.9
Cherkasska	89.6	10.0	0.4	89.6	10.4	99.4	0.6	0.0	96.3	3.7
Chernivetska	99.3	0.7	0.0	100.0	0.0	97.5	1.3	1.3	98.9	1.1
Chernigivska	97.0	2.5	0.5	98.8	1.2	100.0	0.0	0.0	100.0	0.0
Kyiv city	93.8	5.1	1.2	94.7	5.3	93.5	5.4	1.2	94.9	5.1

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	6.5	0.6	0.0	23.4	25.2	24.4	16.8	14.0	10.8	46.4	35.4	29.6
Vinnitska	1.8	0.0	0.0	23.5	28.2	31.2	7.6	3.8	1.8	33.0	28.5	27.2
Volynska	2.2	0.0	0.0	9.4	12.2	7.8	5.0	2.9	3.9	24.5	17.3	3.9
Dnipropetrovska	0.0	0.0	0.0	21.0	17.2	11.8	9.7	3.0	1.4	4.2	2.2	2.6
Donetska	0.2	0.0	0.0	22.2	22.1	24.8	24.1	18.8	12.5	39.7	22.4	14.8
Zhytomirska	0.0	0.0	0.0	27.9	24.0	18.5	17.9	2.2	1.5	19.7	10.9	3.4
Zakarpatska	0.0	0.0	0.0	29.9	24.7	23.6	28.6	30.1	2.8	53.2	73.1	44.3
Ivano-Frankivska	90.1	0.6	0.0	41.4	22.1	33.9	2.0	1.9	0.0	99.3	92.4	36.2
Kyivska	7.7	0.0	0.0	19.7	18.1	13.1	13.2	8.5	0.9	77.1	59.4	47.5
Kirovogradska		0.0	0.0		35.1	46.9		4.3	10.0		25.1	33.5
Louganska	0.0	0.0	0.0	19.5	20.5	16.9	11.0	16.7	12.9	16.2	10.0	11.3
Lvivska	0.0	0.0	0.0	21.4	31.9	36.7	13.6	7.4	2.5	61.5	53.2	5.3
Mykolajivska	0.0	0.0	0.0	14.0	12.7	27.9	7.2	1.6	4.1	23.2	25.9	28.8
Odessa	0.2	0.0	0.0	17.5	12.7	6.6	1.2	0.0	0.0	4.2	1.1	1.7
Poltavska		0.0	0.0		41.8	40.1		99.2	83.2		36.2	33.3
Rivnenska	0.0	0.0	0.0	23.7	23.1	28.6	11.8	0.7	0.0	65.1	51.0	50.3
Soumska	0.4	0.0	0.0	21.9	29.4	27.2	5.0	1.2	8.3	37.7	34.5	38.9
Kharkivska	13.6	0.0	0.0	39.1	39.9	41.2	7.0	6.5	4.3	99.3	99.6	94.9
Khersonska	0.6	0.0	0.0	28.4	27.2	28.8	11.0	22.8	3.4	18.7	28.4	12.3
Khmelnitska	0.5	0.0	0.0	14.2	42.4	29.8	41.5	3.1	1.3	71.7	69.2	15.6
Cherkasska	81.2	16.7	0.0	36.2	32.6	27.5	3.9	20.6	17.1	46.9	36.5	29.1
Chernivetska	0.0	0.0	0.0	23.0	14.7	30.0	58.5	13.7	0.0	85.9	16.7	27.3
Chernigivska	1.0	0.0	0.0	29.8	31.2	18.0	54.9	15.0	5.9	88.2	20.9	11.7
Kyiv city	0.0	0.0	0.0	20.8	17.9	17.0	37.5	7.9	11.6	84.8	61.4	46.0
AR Krym			0.0			24.2			33.0			92.7
Sevastopol city			0.0			9.5			0.0			12.2

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	40.3	40.0	38.5	6.9	16.0	25.2	2.7%	2.5%	2.3%	28.6%	20.3%	27.0%
Vinnitska	37.3	32.0	37.2	3.5	8.7	16.7	1	2	1	0	0	1
Volynska	41.8	44.5	39.1	6.9	17.8	27.0	7	4	5	1	1	1
Dnipropetrovska		40.7	41.0	8.3	16.7	27.7	16	20	8	2	0	1
Donetska	44.8	43.9	43.2	5.4	17.1	28.8	12	9	8	1	0	1
Zhytomirska	38.7	41.8	34.5	6.0	14.7	22.8	5	2	2	0	0	1
Zakarpatska	31.0	39.5	37.4	6.6	11.0	16.5	0	2		0	0	0
Ivano-Frankivska	34.1	37.3	35.0	5.1	15.9	25.5	0	0	0	0	0	0
Kyivska	33.3	43.3	39.2	7.8	15.0	24.9	2	5	4	0	1	0
Kirovogradska			33.3	5.0	15.3	22.1		2	3		1	0
Louganska	50.1	49.3	43.5	9.3	21.1	30.4	2	1	4	0	0	0
Lvivska	38.0	33.6	31.8	2.9	8.4	15.4	2	1	0	2	1	0
Mykolajivska	59.0	42.4	41.5	10.9	20.2	30.1	7	6	5	7	2	4
Odessa	32.4	32.0	36.7	8.1	19.4	27.2	7	8	17	0	0	1
Poltavska			36.2	5.2	14.0	23.3		2	1		0	0
Rivnenska		44.2	48.6	4.8	18.5	30.1	0	0	1	0	0	1
Soumska	43.5	37.3	45.0	5.9	15.5	24.8	1	3	0	0	0	0
Kharkivska	47.1	44.1	42.2	11.3	19.5	28.9	32	31	25	16	15	12
Khersonska	41.1	46.6	41.5	9.8	20.1	28.7	0	1	0	0	0	0
Khmelnitska	41.8	42.1	40.1	6.2	14.1	25.6	8	7	4	1	0	0
Cherkasska	32.1	35.7	32.7	7.9	13.8	20.5	10	8	9	0	1	2
Chernivetska	40.6	34.8	30.7	6.9	18.8	26.7	2		1	0		0
Chernigivska	33.0	36.2	37.5	12.1	20.6	29.8	4	9	6	4	3	4
Kyiv city	34.8	33.9	26.5	3.0	10.7	16.3	1	0	2	0	0	0
АР Крим										3		0
м.Севастополь									2			1

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	80.9	80.3	81.6	11.1	12.8	13.1	19.2	18.8	18.3	62.6	61.0	60.2
Vinnitska	75.7	72.3	98.2	10.8	14.9	19.2	21.1	17.7	15.1	59.1	54.2	56.0
Volynska	90.7	87.8	92.2	10.3	14.4	16.3	23.8	28.9	15.5	54.8	67.8	61.8
Dnipropetrovska	81.6	85.3	88.1	9.2	6.3	9.2	17.0	21.3	21.0	64.6	59.7	61.3
Donetska	77.3	77.9	76.4	11.6	14.8	14.0	20.6	17.8	17.3	62.3	62.0	58.8
Zhytomirska	72.8	78.9	83.9	19.8	27.6	24.6	13.2	14.9	13.2	61.6	60.3	62.1
Zakarpatska	75.6	80.0	80.2	16.0	9.9	21.4	26.8	20.0	17.0	70.4	63.7	63.1
Ivano-Frankivska	78.8	80.7	70.1	3.9	4.5	3.6	6.4	16.1	15.8	56.2	62.4	63.9
Kyivska	84.6	87.2	90.2	4.9	7.8	7.4	19.2	15.1	14.5	67.2	63.2	63.6
Kirovogradska		79.2	67.8		11.3	3.9		21.2	23.4		60.8	56.1
Louganska	82.3	80.4	83.3	7.0	6.3	9.3	21.2	23.9	27.3	64.2	57.2	55.5
Lvivska	81.2	81.7	87.1	15.1	11.6	10.0	18.5	17.3	16.9	63.8	61.4	62.1
Mykolajivska	85.8	85.5	72.8	15.1	36.8	40.7	21.9	21.0	18.3	63.4	62.7	57.0
Odessa	84.5	90.8	93.9	9.9	12.2	10.5	14.6	17.0	20.4	62.2	74.7	70.4
Poltavska		67.3	75.9		15.5	19.2		16.0	14.6		50.1	46.9
Rivnenska	75.2	79.9	82.9	20.5	19.9	19.8	29.3	33.6	34.3	42.9	55.5	54.7
Soumska	87.5	81.2	83.4	12.4	10.9	14.8	20.0	19.2	10.2	69.1	61.8	62.3
Kharkivska	70.3	64.5	65.6	8.6	8.6	12.1	15.7	10.9	11.6	53.7	52.5	53.7
Khersonska	78.8	81.2	82.2	12.3	13.4	7.2	36.5	37.6	34.2	71.2	63.4	74.6
Khmelnitska	89.4	94.4	86.2	19.1	18.5	19.3	10.6	10.0	10.7	61.2	62.1	65.1
Cherkasska	87.9	80.0	85.9	8.6	5.9	13.4	23.8	18.8	19.1	49.8	54.3	67.2
Chernivetska	86.8	89.2	71.8	14.1	18.8	10.5	16.2	14.7	24.5	78.5	74.3	71.4
Chernigivska	74.1	71.5	82.0	4.6	2.8	7.4	26.4	25.8	18.9	67.9	64.1	76.4
Kyiv city	85.5	88.3	86.0	11.9	19.5	19.9	17.4	14.5	16.5	68.8	70.2	58.0
АР Krym			70.1			0.3			18.3			54.6
Sevastopol city			93.2			0.0			21.6			53.7