

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	9.3	19.9	
Incidence (world standard)	5.0	14.2	
Incidence (Ukrainian standard)	9.4	27.6	
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	2.17% ~~	1.10% ~~	
Estimated incidence rate for 2000 (Ukrainian standard)	9.4	27.5	
Mortality (crude rate)	5.0	10.8	
Mortality (world standard)	2.7	7.7	
Mortality (Ukrainian standard)	5.1	15.2	
Estimated mortality rate for 2000 (Ukrainian standard)	5.1	15.5	
Relative 5-year survival rate, %	35.4	35.4	
Median of relative survival (months)	31.8	31.8	
Deaths during the first year of disease (diagnoses of 1999), %	28.6%	28.6%	
Patients underwent treatment during the first year of disease, %	64.7%	64.7%	
Microscopically verified diagnoses, %	72.0%	72.0%	
Probability of developing cancer at the age under 39	0.0% 1 in 105175	0.0% 1 in 52377	
Probability of developing cancer at the age 40 – 59	0.1% 1 in 1231	0.2% 1 in 547	
Probability of developing cancer at the age 60+	1.3% 1 in 79	4.2% 1 in 24	
Lifetime probability of developing cancer	1.3% 1 in 75	4.4% 1 in 23	

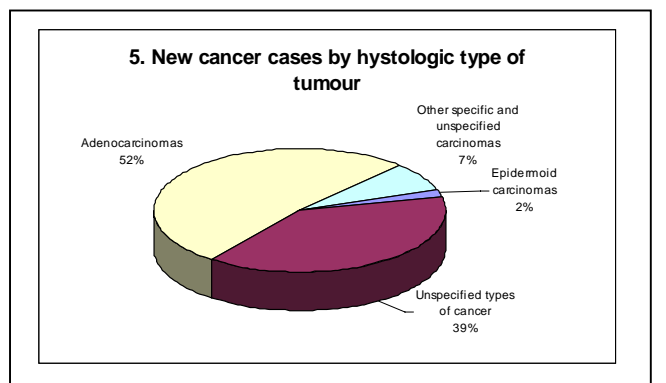


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	9.3	19.9		9.4	27.6		0.69	1.82		4646	4646	
Vinnitska	15.2	33.5		13.1	40.2		0.98	2.70		275	275	
Volynska	8.5	17.9		8.8	25.2		0.69	1.87		120	120	
Dnipropetrovska	10.0	21.5		10.4	30.0		0.78	2.02		348	348	
Donetska	8.1	17.4		7.8	22.8		0.60	1.58		401	401	
Zhytomirska	7.8	16.8		7.1	20.9		0.55	1.47		124	124	
Zakarpatska	6.9	14.3		8.9	23.2		0.63	1.60		88	88	
Ivano-Frankivska	11.1	23.4		12.4	35.7		0.89	2.31		138	138	
Kyivska	8.9	19.2		8.8	26.2		0.66	1.76		181	181	
Kirovogradska	9.6	21.0		9.0	27.4		0.62	1.65		116	116	
Louganska	7.3	15.8		7.2	21.5		0.56	1.46		207	207	
Lvivska	9.3	19.6		10.3	29.8		0.74	1.96		248	248	
Mykolajivska	9.1	19.5		9.9	30.2		0.76	2.06		124	124	
Odessa	7.7	16.6		8.6	24.9		0.61	1.66		240	240	
Poltavska	9.5	20.9		8.6	25.0		0.65	1.69		179	179	
Rivnenska	7.7	16.1		8.6	24.0		0.65	1.68		80	80	
Soumska	6.4	13.9		5.7	16.7		0.44	1.14		87	87	
Kharkivska	9.9	21.4		9.7	28.9		0.73	1.89		335	335	
Khersonska	9.2	19.7		10.6	30.3		0.79	2.06		157	157	
Khmelnitska	8.2	17.9		7.7	22.6		0.56	1.50		136	136	
Cherkasska	10.1	22.2		8.9	26.7		0.66	1.75		167	167	
Chernivetska	6.2	13.2		6.6	18.7		0.47	1.27		62	62	
Chernigivska	10.0	22.2		7.8	23.3		0.61	1.65		144	144	
Kyiv city	13.6	28.9		18.4	53.3		1.20	3.07		454	454	

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	5.0	10.8		5.1	15.2		1310.72	1310.72		2529	2529	
Vinnitska	6.2	13.5		5.2	16.8		29.2	29.2		111	111	
Volynska	4.2	9.0		4.5	13.2		22.8	22.8		66	66	
Dnipropetrovska	5.0	10.7		5.2	15.6		115.8	115.8		164	164	
Donetska	4.9	10.6		4.7	13.9		171.2	171.2		249	249	
Zhytomirska	5.3	11.4		4.8	14.6		29.8	29.8		78	78	
Zakarpatska	3.6	7.4		4.9	13.4		14.3	14.3		34	34	
Ivano-Frankivska	3.2	6.7		3.5	10.5		2.4	2.4		71	71	
Kyivska	6.9	15.0		6.7	21.6		45.9	45.9		94	94	
Kirovogradska	5.5	11.9		5.2	15.4		53.1	53.1		60	60	
Louganska	5.2	11.3		5.2	15.4		45.1	45.1		145	145	
Lvivska	4.6	9.6		5.0	14.8		38.3	38.3		110	110	
Mykolajivska	4.2	9.0		4.7	14.2		8.6	8.6		62	62	
Odessa	5.0	10.7		5.5	15.7		99.3	99.3		135	135	
Poltavska	4.5	9.9		4.0	12.0		64.3	64.3		74	74	
Rivnenska	3.9	8.2		4.2	11.8		63.6	63.6		49	49	
Soumska	4.7	10.4		4.1	13.1		7.9	7.9		70	70	
Kharkivska	5.8	12.7		5.8	17.6		183.3	183.3		143	143	
Khersonska	4.6	9.9		5.5	17.9		15.9	15.9		79	79	
Khmelnitska	5.4	11.7		4.9	14.9		28.8	28.8		85	85	
Cherkasska	4.0	8.7		3.5	10.9		17.3	17.3		82	82	
Chernivetska	3.1	6.6		3.4	9.3		11.1	11.1		42	42	
Chernigivska	7.2	16.0		5.6	18.1		32.3	32.3		99	99	
Kyiv city	5.4	11.4		7.2	21.4		61.3	61.3		139	139	

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	94.1	4.7	1.2	95.0	5.0	95.6	3.3	1.1	98.0	2.0
Vinnitska	99.3	0.4	0.4	99.3	0.7	90.2	3.9	5.9	95.5	4.5
Volynska	94.6	4.5	0.9	96.7	3.3	98.6	1.4	0.0	100.0	0.0
Dnipropetrovska	90.9	8.4	0.7	91.4	8.6	100.0	0.0	0.0	98.4	1.6
Donetska	93.6	4.8	1.6	93.3	6.7	96.5	2.3	1.2	98.8	1.2
Zhytomirska	89.6	9.6	0.9	93.8	6.3	98.7	1.3	0.0	98.7	1.3
Zakarpatska	94.6	5.4	0.0	93.2	6.8	97.4	2.6	0.0	97.8	2.2
Ivano-Frankivska	98.3	0.8	0.8	97.5	2.5	100.0	0.0	0.0	100.0	0.0
Kyivska	96.8	1.6	1.6	98.2	1.8	92.6	5.3	2.1	97.7	2.3
Kirovogradska				98.2	1.8				100.0	0.0
Louganska	94.5	1.2	4.2	96.9	3.1	97.7	2.3	0.0	96.4	3.6
Lvivska	92.0	6.5	1.5	94.5	5.5	89.0	11.0	0.0	98.4	1.6
Mykolajivska	80.8	17.9	1.3	94.1	5.9	92.7	4.9	2.4	100.0	0.0
Odessa	95.1	4.5	0.4	90.7	9.3	95.1	4.9	0.0	98.4	1.6
Poltavska				96.9	3.1				100.0	0.0
Rivnenska	96.8	1.6	1.6	96.7	3.3	100.0	0.0	0.0	100.0	0.0
Soumska	97.8	2.2	0.0	96.5	3.5	98.1	1.9	0.0	100.0	0.0
Kharkivska	94.8	4.1	1.0	95.9	4.1	100.0	0.0	0.0	100.0	0.0
Khersonska	91.3	6.1	2.6	94.7	5.3	100.0	0.0	0.0	100.0	0.0
Khmelnitska	97.1	0.7	2.1	96.7	3.3	90.1	9.0	0.9	97.5	2.5
Cherkasska	86.5	11.5	2.0	91.2	8.8	98.7	0.0	1.3	93.1	6.9
Chernivetska	93.6	4.3	2.1	96.6	3.4	90.6	0.0	9.4	96.6	3.4
Chernigivska	94.8	3.7	1.5	97.7	2.3	100.0	0.0	0.0	100.0	0.0
Kyiv city	95.5	3.9	0.6	93.7	6.3	87.3	9.3	3.3	90.6	9.4

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	5.5	0.5	0.0	35.3	38.5	37.6	23.8	14.0	10.6	58.9	48.3	35.4
Vinnitska	1.1	0.0	0.0	24.3	23.3	21.2	4.1	5.8	1.5	57.5	51.3	46.2
Volynska	2.8	0.0	0.0	14.2	11.4	13.8	0.0	2.3	1.7	25.5	10.3	14.7
Dnipropetrovska	0.0	0.0	0.0	39.1	29.7	20.9	6.3	2.4	0.9	3.7	2.1	2.2
Donetska	0.7	0.0	0.0	36.4	36.3	38.0	33.5	22.9	14.6	59.9	30.1	19.7
Zhytomirska	0.0	0.0	0.0	54.4	40.0	39.3	46.6	4.8	2.6	23.3	17.1	12.0
Zakarpatska	0.0	0.0	0.0	72.9	58.5	63.4	45.7	89.0	28.0	77.1	89.0	81.7
Ivano-Frankivska	4.2	0.0	0.0	22.7	22.4	50.7	0.8	0.0	0.0	100.0	84.0	32.8
Kyivska	12.2	0.0	0.0	36.5	34.8	37.6	11.0	2.5	0.0	79.0	63.4	61.8
Kirovogradska		0.0	0.0		54.1	46.5		15.3	7.0		45.9	45.6
Louganska	0.0	0.0	0.0	37.8	39.5	29.4	10.9	13.2	10.4	30.8	11.1	15.9
Lvivska	0.0	0.0	0.0	27.0	54.8	55.3	13.5	6.7	6.0	70.8	72.4	5.1
Mykolajivska	0.0	0.0	0.0	17.5	11.6	18.8	15.9	1.8	3.4	82.5	83.9	19.7
Odessa	0.4	0.0	0.0	10.0	11.4	5.0	0.0	0.0	0.0	7.2	0.0	0.5
Poltavska		0.0	0.0		73.1	67.8		98.1	73.0		50.6	41.4
Rivnenska	0.0	0.0	0.0	40.0	42.0	49.4	6.7	1.1	0.0	75.0	53.4	48.1
Soumska	0.0	0.0	0.0	52.8	54.2	57.1	25.8	3.6	22.6	44.9	54.2	57.1
Kharkivska	20.3	0.0	0.0	45.0	43.3	25.8	6.5	5.7	5.6	100.0	99.6	97.8
Khersonska	0.0	0.0	0.0	22.8	13.9	20.8	9.5	7.4	2.0	20.0	14.8	12.8
Khmelnitska	0.0	0.0	0.0	33.8	56.4	60.6	81.6	5.1	3.8	84.6	88.9	28.8
Cherkasska	74.2	14.2	0.0	49.3	54.5	49.7	0.8	22.4	17.0	46.9	42.5	37.9
Chernivetska	0.0	0.0	0.0	43.2	41.1	36.7	54.5	23.2	0.0	86.4	44.6	28.3
Chernigivska	2.4	0.0	0.0	52.7	45.7	50.4	58.3	15.7	6.4	99.2	30.7	10.6
Kyiv city	0.0	0.0	0.0	40.4	46.2	37.2	73.2	12.8	8.0	90.3	76.9	45.9
AR Krym			0.0			48.0			49.0			87.8
Sevastopol city			0.0			88.5			0.0			25.6

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 (%):			Proportion 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	29.8	29.5	28.6	5.0	12.6	19.0	3.0%	2.5%	3.3%	42.6%	20.0%	24.0%
Vinnitska	19.5	21.9	18.9	2.3	8.3	12.1	0	1	1	0	0	0
Volynska	28.6	28.6	31.8	2.4	12.9	20.0	0	2	2	0	0	0
Dnipropetrovska		28.4	25.1	5.6	11.3	17.5	3	3	7	0	1	0
Donetska	36.8	34.8	35.8	3.1	13.2	23.6	6	2	8	0	0	1
Zhytomirska	36.9	30.4	35.2	4.6	16.7	19.4	1	2	1	0	0	0
Zakarpatska	29.2	29.7	31.4	7.0	19.8	22.1	0	2	3	0	0	1
Ivano-Frankivska	27.7	26.7	20.5	4.5	8.3	13.5	0	2	0	0	0	0
Kyivska	31.4	33.5	36.9	6.4	15.9	26.8	2	2	1	0	0	0
Kirovogradska			32.4	2.9	16.2	25.7		1	1		0	0
Louganska	33.5	32.1	37.3	8.1	13.0	23.2	0	3	2	0	0	2
Lvivska	31.3	29.9	27.9	2.5	8.3	16.3	3	4	0	1	2	0
Mykolajivska	34.6	26.3	20.0	5.2	9.6	15.7	3	2	2	2	0	0
Odessa	26.0	24.4	30.3	2.7	10.1	18.6	1	0	9	0	0	0
Poltavska			31.1	3.3	12.6	23.2		0	0		0	0
Rivnenska		40.7	39.6	7.7	19.8	27.5	0	1	1	0	0	1
Soumska	30.7	29.4	27.2	1.2	8.6	11.1	0	1	0	0	0	0
Kharkivska	35.2	33.1	33.7	9.0	17.4	24.7	21	14	16	15	5	8
Khersonska	24.1	30.2	19.2	2.9	9.6	16.3	2	1	2	0	0	0
Khmelnitska	38.6	41.2	32.5	10.0	20.0	23.3	5	5	5	0	0	0
Cherkasska	27.0	21.6	24.3	4.2	10.4	11.8	4	3	1	0	0	0
Chernivetska	27.5	23.4	25.9	8.6	12.1	13.8	0	0	1	0	0	0
Chernigivska	35.3	44.4	41.9	16.9	25.8	30.6	9	3	3	8	3	3
Kyiv city	17.8	20.6	14.7	1.8	7.8	9.3	1	1	5	0	0	0
АР Крим										4		2
м.Севастополь									0			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	70.4	72.0	72.9	8.0	8.2	10.0	21.2	20.9	20.9	62.9	64.7	63.2
Vinnitska	77.8	78.3	90.5	6.9	9.4	16.2	15.9	12.6	16.1	57.1	54.3	56.1
Volynska	85.7	90.0	87.1	9.5	5.9	8.2	31.3	30.0	31.9	78.1	72.9	76.4
Dnipropetrovska	68.8	74.5	81.6	3.8	2.8	3.0	19.1	21.2	21.3	73.7	77.1	73.7
Donetska	62.5	63.2	67.0	8.8	8.1	11.5	21.5	27.9	23.4	59.7	59.2	56.7
Zhytomirska	48.7	63.4	65.8	2.6	13.9	5.3	25.2	30.4	17.1	42.6	39.8	37.2
Zakarpatska	33.8	53.4	51.2	20.3	23.3	20.0	13.5	13.6	11.0	54.1	61.6	40.0
Ivano-Frankivska	79.3	80.1	66.4	3.4	3.8	4.0	4.1	9.3	18.7	38.8	70.5	50.8
Kyivska	84.5	79.3	70.8	1.1	1.3	5.2	21.4	20.7	21.9	63.2	59.9	53.5
Kirovogradska		64.6	67.0		6.7	6.4		21.2	15.7		62.9	61.8
Louganska	65.5	64.3	74.1	3.7	3.8	4.1	32.1	33.7	24.4	68.5	67.0	60.1
Lvivska	79.1	79.8	85.5	8.2	5.4	4.4	12.4	9.1	10.2	70.6	75.0	78.0
Mykolajivska	83.3	89.9	79.8	3.9	8.7	21.6	23.1	20.2	27.7	55.3	63.5	63.1
Odessa	92.0	92.8	96.4	16.4	12.2	6.1	34.1	27.3	29.1	78.4	79.8	76.6
Poltavska		61.5	62.6		9.3	10.3		16.1	23.0		40.4	53.9
Rivnenska	66.1	78.0	84.4	18.6	9.9	21.1	30.6	39.6	36.4	50.8	46.2	46.1
Soumska	60.4	52.3	61.9	7.1	4.9	2.8	13.2	10.5	15.5	82.4	66.7	66.7
Kharkivska	67.4	63.9	80.2	10.2	5.9	12.2	28.5	32.3	23.6	44.4	51.0	65.5
Khersonska	81.7	90.4	89.3	1.0	7.7	6.5	22.6	21.9	24.2	65.6	88.5	70.5
Khmelnitska	55.0	72.7	67.4	2.2	2.5	3.8	10.7	4.1	9.8	48.5	60.0	53.8
Cherkasska	73.6	71.4	78.8	7.2	6.9	3.2	27.0	21.8	31.9	46.8	53.5	57.8
Chernivetska	68.1	69.0	68.3	6.4	13.8	8.3	12.8	27.6	31.7	63.8	63.8	65.0
Chernigivska	61.2	59.2	55.3	0.8	0.8	1.5	38.1	36.2	41.1	58.9	67.7	54.8
Kyiv city	64.3	67.7	67.9	16.2	22.5	32.8	10.1	7.4	5.8	82.0	82.3	85.4
АР Krym			45.5			0.5			19.7			55.3
Sevastopol city			14.1			0.0			30.8			46.1