

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	11.9		22.2
Incidence (world standard)	8.0		13.9
Incidence (Ukrainian standard)	12.1		20.6
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	-4.72% ↓		-5.07% ↓↓
Estimated incidence rate for 2000 (Ukrainian standard)	12.3		21.1
Mortality (crude rate)	4.4		8.3
Mortality (world standard)	2.6		4.3
Mortality (Ukrainian standard)	4.5		7.2
Estimated mortality rate for 2000 (Ukrainian standard)	4.6		7.5
Relative 5-year survival rate, %	63.9		63.9
Median of relative survival (months)	-		-
Deaths during the first year of disease (diagnoses of 1999), %	17.2%		17.2%
Patients underwent treatment during the first year of disease, %	80.0%		80.0%
Microscopically verified diagnoses, %	96.2%		96.2%
Probability of developing cancer at the age under 39	0.0% 1 in 5948		0.0% 1 in 3018
Probability of developing cancer at the age 40 – 59	0.4% 1 in 255		0.7% 1 in 139
Probability of developing cancer at the age 60+	0.9% 1 in 118		1.3% 1 in 76
Lifetime probability of developing cancer	1.3% 1 in 80		2.1% 1 in 49

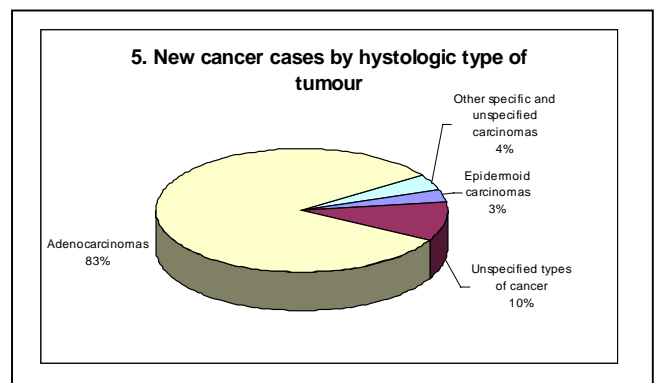


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣
Ukraine	11.9		22.2	12.1		20.6	0.98		1.68	6098		6098
Vinnitska	10.2		18.6	9.8		16.8	0.77		1.33	227		227
Volynska	9.5		18.1	10.5		18.8	0.92		1.61	138		138
Dnipropetrovska	12.9		24.1	13.1		22.2	1.07		1.82	536		536
Donetska	13.8		25.6	13.2		22.3	1.05		1.79	691		691
Zhytomirska	10.9		20.3	10.8		18.7	0.89		1.55	148		148
Zakarpatska	6.9		13.3	8.6		15.2	0.70		1.24	90		90
Ivano-Frankivska	8.1		15.5	9.1		15.7	0.74		1.28	141		141
Kyivska	12.4		23.1	12.5		21.3	0.98		1.70	271		271
Kirovogradska	13.7		25.4	13.2		22.2	1.01		1.73	155		155
Louganska	12.2		22.8	12.0		20.3	0.94		1.62	322		322
Lvivska	9.5		18.0	10.3		17.8	0.88		1.52	283		283
Mykolajivska	11.9		22.2	12.7		21.8	1.06		1.81	163		163
Odessa	12.4		23.2	12.9		21.9	1.08		1.83	351		351
Poltavska	14.6		26.9	13.6		23.0	1.09		1.87	200		200
Rivnenska	8.6		16.4	9.9		17.5	0.79		1.40	114		114
Soumska	12.2		22.5	11.5		19.5	0.92		1.58	163		163
Kharkivska	12.5		23.2	12.5		20.9	1.02		1.72	362		362
Khersonska	12.9		24.2	14.2		24.1	1.09		1.87	130		130
Khmelnitska	9.3		17.2	9.2		15.7	0.75		1.29	148		148
Cherkasska	12.7		23.2	11.8		19.8	0.95		1.62	184		180
Chernivetska	8.7		16.4	9.6		16.4	0.82		1.40	88		88
Chernigivska	12.2		22.1	11.0		19.1	0.89		1.54	142		142
Kyiv city	15.1		28.4	17.1		29.5	1.40		2.43	368		368

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	4.4		8.3	4.5		7.2	1779.7		1779.7	2294		2294
Vinnitska	3.6		6.5	3.1		4.9	39.3		39.3	71		71
Volynska	3.9		7.3	4.1		6.6	17.2		17.2	40		40
Dnipropetrovska	4.3		8.0	4.4		7.1	148.8		148.8	148		148
Donetska	5.6		10.3	5.5		8.7	185.6		185.6	247		247
Zhytomirska	4.5		8.5	4.3		7.2	62.8		62.8	55		55
Zakarpatska	2.7		5.1	3.3		5.7	62.8		62.8	31		31
Ivano-Frankivska	3.8		7.2	4.2		6.8	24.1		24.1	42		42
Kyivska	4.5		8.4	4.4		6.8	27.5		27.5	74		74
Kirovogradska	4.0		7.4	3.7		5.8	47.9		47.9	52		52
Louganska	5.0		9.3	5.0		8.0	72.1		72.1	152		152
Lvivska	3.1		5.9	3.3		5.5	82.3		82.3	85		85
Mykolajivska	3.9		7.3	4.3		6.8	15.7		15.7	54		54
Odessa	5.1		9.5	5.4		8.9	165.9		165.9	115		115
Poltavska	5.0		9.2	4.5		7.5	108.5		108.5	81		81
Rivnenska	2.4		4.5	2.9		4.7	25.2		25.2	30		30
Soumska	4.9		9.0	4.4		7.1	64.0		64.0	61		61
Kharkivska	5.7		10.6	5.7		8.9	132.9		132.9	162		162
Khersonska	4.4		8.2	4.9		7.9	61.0		61.0	49		49
Khmelnitska	4.8		8.8	4.5		7.2	26.3		26.3	53		53
Cherkasska	2.9		5.4	2.6		4.2	13.0		13.0	57		57
Chernivetska	4.2		7.8	4.4		7.3	5.0		5.0	43		43
Chernigivska	5.1		9.2	4.2		6.7	60.8		60.8	50		50
Kyiv city	4.7		8.9	6.0		9.7	128.1		128.1	135		135

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	95.8	4.2	95.2	3.7	1.1	97.3	2.7
Vinnitska	99.5	0.5	0.0	98.9	1.1	94.4	4.2	1.4	100.0	0.0
Volynska	94.4	4.6	0.9	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	94.5	5.1	0.4	96.5	3.5	97.8	2.2	0.0	98.1	1.9
Donetska	93.4	5.5	1.1	94.8	5.2	91.8	6.9	1.3	97.8	2.2
Zhytomirska	96.4	3.0	0.6	87.2	12.8	98.3	1.7	0.0	98.5	1.5
Zakarpatska	97.9	2.1	0.0	98.9	1.1	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	97.2	0.9	1.9	99.2	0.8	100.0	0.0	0.0	98.2	1.8
Kyivska	97.3	2.7	0.0	96.5	3.5	92.1	4.5	3.4	100.0	0.0
Kirovogradska				100.0	0.0				100.0	0.0
Louganska	98.1	1.6	0.3	97.2	2.8	94.0	5.3	0.7	92.5	7.5
Lvivska	95.9	3.3	0.8	96.9	3.1	93.5	6.5	0.0	98.8	1.2
Mykolajivska	92.1	6.1	1.8	89.7	10.3	98.2	1.8	0.0	100.0	0.0
Odessa	95.8	3.4	0.7	95.2	4.8	93.3	5.8	0.8	99.2	0.8
Poltavska				98.4	1.6				97.6	2.4
Rivnenska	98.0	2.0	0.0	98.0	2.0	100.0	0.0	0.0	100.0	0.0
Soumska	98.8	1.2	0.0	97.6	2.4	98.0	2.0	0.0	100.0	0.0
Kharkivska	97.0	3.0	0.0	95.4	4.6	100.0	0.0	0.0	100.0	0.0
Khersonska	90.9	9.1	0.0	93.1	6.9	100.0	0.0	0.0	100.0	0.0
Khmelnitska	99.3	0.7	0.0	100.0	0.0	90.4	4.1	5.5	90.0	10.0
Cherkasska	93.6	5.9	0.5	84.9	15.1	98.7	1.3	0.0	88.4	11.6
Chernivetska	98.8	1.2	0.0	97.6	2.4	85.3	2.9	11.8	94.9	5.1
Chernigivska	98.3	0.6	1.1	98.1	1.9	100.0	0.0	0.0	100.0	0.0
Kyiv city	93.9	4.5	1.6	95.6	4.4	88.8	8.8	2.4	88.6	11.4

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	91.6	87.2	82.9	7.8	9.4	8.1	13.7	9.6	6.8	43.4	30.7	23.9
Vinnitska	98.1	93.4	95.1	9.2	6.6	10.2	2.4	1.1	0.4	37.2	38.8	19.1
Volynska	96.1	7.9	13.0	1.0	1.0	3.6	1.0	3.0	6.5	15.7	2.0	4.3
Dnipropetrovska	82.6	82.6	61.4	4.3	3.0	1.7	6.7	1.5	0.2	2.6	0.4	1.0
Donetska	93.3	85.2	79.0	6.9	6.6	6.8	27.8	16.6	10.0	46.0	23.7	18.0
Zhytomirska	96.9	94.9	97.7	8.1	8.1	7.6	15.0	0.0	2.3	10.6	6.6	3.1
Zakarpatska	98.9	95.4	97.8	12.8	10.3	5.6	34.0	16.1	2.2	46.8	69.0	41.6
Ivano-Frankivska	100.0	100.0	100.0	17.4	6.9	10.7	1.9	1.7	0.0	100.0	95.7	29.3
Kyivska	98.8	97.7	99.6	19.4	6.8	5.0	11.9	2.3	0.4	67.9	45.7	34.7
Kirovogradska		78.3	82.6		25.5	26.5		5.0	5.8		24.2	32.9
Louganska	96.7	97.8	95.2	3.3	4.4	4.2	3.0	5.0	8.0	8.3	6.9	10.2
Lvivska	97.0	96.4	97.8	3.9	22.6	15.0	2.2	3.2	0.4	39.4	27.0	1.5
Mykolajivska	90.8	92.8	79.1	2.0	2.2	4.7	5.9	0.0	4.7	19.1	10.1	16.2
Odessa	40.8	43.6	25.7	3.6	2.7	2.4	0.0	0.7	0.0	2.8	1.0	1.2
Poltavska		99.6	100.0		13.2	17.8		95.5	70.6		34.2	40.6
Rivnenska	97.9	42.0	88.4	4.1	27.0	23.2	10.4	1.0	0.0	66.7	38.0	46.4
Soumska	100.0	100.0	100.0	1.8	6.2	10.7	0.6	0.0	3.1	14.3	11.2	23.9
Kharkivska	100.0	98.9	94.8	13.9	15.7	8.1	2.9	5.6	2.0	99.1	98.9	81.8
Khersonska	99.3	100.0	95.1	15.7	20.9	18.0	7.9	11.5	5.7	16.4	16.2	18.9
Khmelnitska	100.0	97.8	100.0	1.4	22.1	11.5	59.3	2.2	2.0	69.7	69.1	15.5
Cherkasska	100.0	99.4	98.1	22.9	15.3	16.5	4.0	11.5	13.9	32.6	17.8	19.6
Chernivetska	98.8	98.8	98.8	9.4	2.5	5.8	40.0	2.5	0.0	81.2	23.8	20.9
Chernigivska	98.3	66.5	59.7	4.6	5.8	1.4	38.7	3.2	13.7	72.8	20.6	12.9
Kyiv city	99.7	99.5	99.4	5.1	4.6	2.8	31.3	3.0	6.8	87.6	54.0	25.9
AR Krym			98.9			8.4			11.8			98.3
Sevastopol city			57.1			5.4			0.0			14.3

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	17.3	17.7	17.2	2.7	6.9	11.3	2.7%	2.0%	2.6%	25.0%	27.5%	14.0%
Vinnitska	10.9	16.9	15.2	2.8	3.9	8.4	1	0	1	1	0	0
Volynska	13.5	17.1	8.0	1.0	5.0	7.0	0	0	5	0	0	0
Dnipropetrovska		18.5	17.3	2.9	6.4	10.6	8	3	0	2	0	0
Donetska	18.2	19.4	20.8	3.8	9.9	13.7	4	10	3	0	0	0
Zhytomirska	21.2	19.6	22.4	3.9	11.2	16.4	0	1	2	0	0	2
Zakarpatska	30.6	20.2	15.7	2.4	8.4	12.0	0	1	0	0	1	0
Ivano-Frankivska	27.7	18.8	21.2	0.9	8.0	14.2	0	1	0	0	0	0
Kyivska	21.5	18.7	16.4	1.4	6.8	8.7	1	1	1	0	0	0
Kirovogradska			11.0	1.3	2.6	5.8		0	0		0	0
Louganska	17.0	20.7	17.8	1.9	7.0	11.1	1	0	3	0	0	0
Lvivska	13.6	14.3	15.7	0.4	3.8	10.6	3	0	0	0	0	0
Mykolajivska	17.0	14.5	14.1	2.8	4.9	7.7	4	0	5	3	0	1
Odesska	14.9	15.1	20.0	2.6	7.9	15.4	3	4	8	0	0	0
Poltavska			21.5	2.1	6.0	15.5		0	0		0	0
Rivnenska		15.3	13.7	2.1	4.2	7.4	0	0	2	0	0	1
Soumska	12.0	16.5	12.5	1.3	2.5	5.6	1	0	0	0	0	0
Kharkivska	20.5	19.7	18.1	5.2	9.3	13.7	11	12	4	5	8	2
Khersonska	14.5	20.1	20.4	3.9	6.6	13.8	0	1	1	0	0	0
Khmelnitska	13.9	21.8	21.5	3.1	6.9	13.8	3	0	3	0	0	0
Cherkasska	15.0	20.7	14.6	5.1	7.3	9.6	7	6	2	0	2	0
Chernivetska	16.0	22.0	18.2	5.2	11.7	13.0	1	0	0	0	0	0
Chernigivska	21.8	13.6	15.7	3.3	9.8	11.8	2	0	0	2	0	0
Kyiv city	14.6	10.8	11.4	0.8	3.3	5.8	2	0	6	0	0	0
АР Крим									4			1
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	95.8	96.2	96.1	28.5	27.9	27.5	7.2	6.5	5.4	79.2	80.0	76.2
Vinnitska	91.8	94.1	95.6	17.9	10.7	17.5	6.3	4.3	4.0	80.1	80.3	76.5
Volynska	99.1	100.0	98.6	31.4	51.0	36.4	10.2	4.0	5.1	84.8	92.0	81.4
Dnipropetrovska	96.7	97.5	99.0	15.7	16.0	11.7	7.4	5.2	2.1	75.6	80.7	77.7
Donetska	93.8	94.6	93.9	40.2	37.4	44.2	8.3	8.9	5.2	76.7	75.8	71.1
Zhytomirska	90.4	91.0	93.9	27.8	40.1	29.5	13.3	10.3	9.2	82.3	78.3	78.3
Zakarpatska	91.7	92.0	97.8	26.6	26.5	31.0	14.6	8.0	10.1	78.7	81.9	79.3
Ivano-Frankivska	97.2	96.6	97.1	12.9	5.3	5.1	5.6	9.3	10.7	67.3	78.8	69.6
Kyivska	96.1	98.3	96.9	20.6	21.9	21.8	5.0	3.5	4.6	70.6	78.5	68.7
Kirovogradska		95.0	92.9		15.6	7.2		6.8	3.9		72.1	65.1
Louganska	98.4	95.1	96.8	54.6	56.4	61.3	3.6	3.1	3.8	80.7	78.0	72.7
Lvivska	97.9	97.3	97.4	44.2	26.0	26.0	4.1	6.6	4.0	85.7	80.0	81.1
Mykolajivska	98.2	98.1	95.4	52.6	44.4	39.7	7.3	6.5	6.6	80.3	81.7	69.9
Odesska	97.8	98.1	98.2	17.4	14.8	15.9	5.2	8.7	7.5	84.4	86.2	85.6
Poltavska		95.1	92.4		25.8	28.3		6.9	7.6		68.2	68.4
Rivnenska	96.9	95.1	94.6	31.6	38.9	32.1	12.2	12.7	16.1	78.6	83.2	69.7
Soumska	99.4	97.6	96.9	25.9	18.1	15.8	6.7	1.8	3.1	91.8	92.5	84.9
Kharkivska	92.3	96.0	94.6	18.0	19.2	20.7	9.0	11.3	6.7	70.6	76.4	78.8
Khersonska	92.2	90.6	91.0	19.4	13.8	15.4	11.7	8.2	8.2	79.2	71.1	67.5
Khmelnitska	100.0	98.5	98.6	28.2	27.7	36.1	2.1	4.4	2.0	81.0	81.5	82.6
Cherkasska	92.0	96.8	97.1	9.2	10.7	15.3	15.5	5.9	6.3	69.0	80.3	79.8
Chernivetska	97.7	97.6	95.3	23.2	24.7	31.3	8.1	6.1	3.5	86.6	90.9	81.9
Chernigivska	97.7	95.6	99.3	3.6	7.2	17.6	8.0	5.7	3.6	87.0	88.2	78.6
Kyiv city	98.1	98.7	98.6	48.4	55.1	58.6	1.1	2.3	3.1	87.5	86.1	80.7
AR Krym			90.0			1.1			5.6			80.9
Sevastopol city			94.6			5.7			8.9			66.0