

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	4.2	3.5	4.9
Incidence (world standard)	3.0	2.7	3.3
Incidence (Ukrainian standard)	4.3	4.1	4.6
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	1.43% ~~	-0.49% ~~	3.62% ~~
<i>Estimated incidence rate for 2000 (Ukrainian standard)</i>	4.3	4.1	4.5
Mortality (crude rate)	1.9	2.0	1.8
Mortality (world standard)	1.3	1.5	1.1
Mortality (Ukrainian standard)	1.9	2.4	1.6
<i>Estimated mortality rate for 2000 (Ukrainian standard)</i>	1.9	2.3	1.8
Relative 5-year survival rate, %	49.7	41.4	54.8
Median of relative survival (months)	59.3	36.5	-
Deaths during the first year of disease (diagnoses of 1999), %	18.6%	24.5%	14.9%
Patients underwent treatment during the first year of disease, %	84.6%	83.6%	85.2%
Microscopically verified diagnoses, %	96.8%	96.2%	97.2%
Probability of developing cancer at the age under 39	0.0% 1 in 2340	0.0% 1 in 2856	0.1% 1 in 1983
Probability of developing cancer at the age 40 – 59	0.1% 1 in 763	0.1% 1 in 934	0.2% 1 in 657
Probability of developing cancer at the age 60+	0.3% 1 in 330	0.3% 1 in 295	0.3% 1 in 346
Lifetime probability of developing cancer	0.5% 1 in 210	0.5% 1 in 208	0.5% 1 in 204

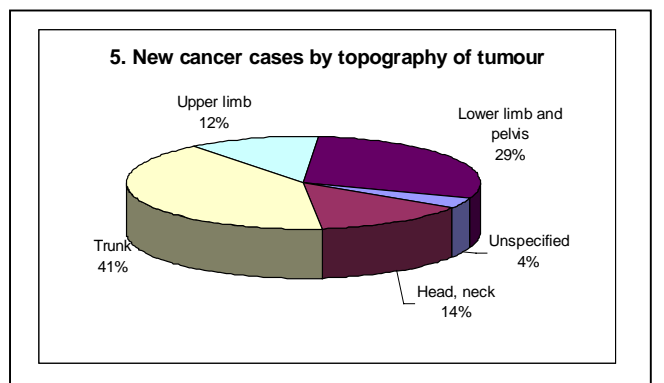


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	4.2	3.5	4.9	4.3	4.1	4.6	0.32	0.30	0.35	2098	819	1279
Vinnitska	3.8	3.0	4.4	3.6	3.3	3.7	0.26	0.28	0.26	68	24	44
Volynska	3.3	2.8	3.8	3.6	3.6	3.8	0.28	0.28	0.30	34	10	24
Dnipropetrovska	4.7	4.3	5.1	4.8	5.0	4.9	0.36	0.38	0.36	158	73	85
Donetska	4.2	3.4	4.8	4.0	3.8	4.4	0.31	0.29	0.33	219	75	144
Zhytomirska	3.8	3.6	3.9	3.7	4.1	3.4	0.30	0.32	0.29	51	15	36
Zakarpatska	2.2	1.8	2.6	2.8	2.4	3.0	0.19	0.16	0.20	31	12	19
Ivano-Frankivska	3.3	2.9	3.7	3.6	3.4	3.9	0.30	0.28	0.32	58	23	35
Kyivska	4.8	4.5	5.1	4.8	5.2	5.0	0.36	0.35	0.37	80	25	55
Kirovogradska	3.7	1.9	5.2	3.6	2.2	4.5	0.27	0.14	0.36	55	26	29
Louganska	3.7	3.3	4.0	3.7	4.4	3.6	0.27	0.25	0.28	95	35	60
Lvivska	4.2	3.6	4.8	4.5	4.4	4.6	0.35	0.33	0.37	106	49	57
Mykolajivska	6.0	4.4	7.3	6.4	6.0	7.0	0.45	0.35	0.52	57	23	34
Odessa	4.5	3.0	5.8	4.7	3.6	5.5	0.37	0.30	0.43	114	53	61
Poltavska	4.6	3.8	5.3	4.4	4.1	4.8	0.32	0.30	0.34	90	32	58
Rivnenska	2.6	2.5	2.7	2.9	3.3	2.8	0.22	0.21	0.22	42	13	29
Soumska	2.7	1.6	3.6	2.6	1.8	3.3	0.22	0.13	0.28	69	22	47
Kharkivska	4.2	3.6	4.8	4.2	4.2	4.5	0.32	0.32	0.33	138	59	79
Khersonska	3.7	3.1	4.1	3.9	3.9	4.2	0.31	0.26	0.35	63	22	41
Khmelnitska	4.2	3.7	4.7	4.0	4.0	3.8	0.28	0.34	0.25	54	27	27
Cherkasska	5.5	3.8	6.9	5.2	4.2	6.2	0.39	0.28	0.47	66	20	46
Chernivetska	3.4	3.0	3.8	3.6	3.4	3.8	0.25	0.25	0.26	13	7	6
Chernigivska	3.6	3.6	3.6	3.3	3.7	3.0	0.25	0.27	0.23	56	23	33
Kyiv city	6.9	5.2	8.5	7.6	6.4	8.6	0.56	0.46	0.64	186	70	116

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	1.9	2.0	1.8	1.9	2.4	1.6	4761	2929	1833	961	443	518
Vinnitska	1.4	1.2	1.6	1.3	1.4	1.4	90.1	58.1	32.0	36	20	16
Volynska	0.2	0.4	0.0	0.2	0.5	0.0	4.7	4.7	0.0	44	8	36
Dnipropetrovska	2.3	2.5	2.1	2.3	3.0	1.9	496.5	317.8	178.7	76	35	41
Donetska	2.0	2.1	1.9	2.0	2.3	1.7	447.7	261.3	186.4	109	54	55
Zhytomirska	2.4	3.1	1.7	2.3	3.4	1.5	121.8	96.3	25.6	17	10	7
Zakarpatska	1.1	0.7	1.5	1.2	1.1	1.5	82.8	13.4	69.4	14	4	10
Ivano-Frankivska	2.0	1.6	2.4	2.1	1.8	2.2	263.5	177.3	86.3	27	12	15
Kyivska	1.8	1.8	1.8	1.8	2.2	1.6	117.3	53.6	63.8	24	13	11
Kirovogradska	1.1	1.5	0.8	1.1	1.7	0.7	51.7	42.1	9.6	24	8	16
Louganska	1.7	1.7	1.6	1.6	2.0	1.4	240.9	123.7	117.3	44	13	31
Lvivska	1.9	2.0	1.7	2.0	2.4	1.7	255.3	141.7	113.7	39	15	24
Mykolajivska	2.0	1.8	2.2	2.0	2.3	2.0	156.1	108.8	47.3	31	12	19
Odessa	2.9	3.2	2.7	3.1	4.1	2.5	354.6	225.9	128.7	58	33	25
Poltavska	0.9	1.0	0.8	0.8	1.2	0.6	69.7	31.3	38.3	21	9	12
Rivnenska	1.4	1.4	1.3	1.5	1.7	1.4	145.1	106.4	38.7	8	3	5
Soumska	1.6	1.8	1.5	1.7	1.8	1.4	220.2	181.8	38.3	23	15	8
Kharkivska	2.7	2.9	2.6	2.7	3.5	2.3	326.8	189.5	137.3	60	26	34
Khersonska	1.8	1.4	2.1	2.0	2.0	2.1	93.8	20.7	73.1	29	16	13
Khmelnitska	1.6	2.1	1.1	1.5	2.5	0.8	103.8	95.7	8.1	21	10	11
Cherkasska	1.2	1.2	1.3	1.2	1.3	1.2	107.8	55.0	52.8	34	12	22
Chernivetska	1.5	2.3	0.8	1.5	2.9	0.8	76.8	52.8	24.0	16	9	7
Chernigivska	1.4	2.2	0.7	1.3	2.4	0.6	113.2	105.3	7.8	23	10	13
Kyiv city	2.5	2.7	2.3	3.0	3.8	2.5	278.6	131.7	146.9	75	37	38

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	94.5	4.4	1.1	96.6	3.4	96.7	2.4	0.9	98.1	1.9
Vinnitska	98.4	1.6	0.0	98.6	1.4	96.0	0.0	4.0	100.0	0.0
Volynska	95.0	5.0	0.0	88.6	11.4	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	91.4	8.0	0.6	97.2	2.8	98.8	1.2	0.0	98.8	1.2
Donetska	92.7	5.9	1.4	95.7	4.3	95.9	2.0	2.0	98.0	2.0
Zhytomirska	93.9	6.1	0.0	98.1	1.9	91.7	8.3	0.0	100.0	0.0
Zakarpatska	96.6	0.0	3.4	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	97.9	2.1	0.0	95.8	4.2	100.0	0.0	0.0	100.0	0.0
Kyivska	100.0	0.0	0.0	98.9	1.1	100.0	0.0	0.0	100.0	0.0
Kirovogradska				97.7	2.3				100.0	0.0
Louganska	94.3	3.8	1.9	99.0	1.0	97.9	2.1	0.0	97.7	2.3
Lvivska	95.0	3.0	2.0	98.2	1.8	91.8	8.2	0.0	100.0	0.0
Mykolajivska	96.2	1.9	1.9	97.4	2.6	100.0	0.0	0.0	100.0	0.0
Odessa	92.1	7.2	0.7	97.3	2.7	86.8	9.4	3.8	98.6	1.4
Poltavska				100.0	0.0				100.0	0.0
Rivnenska	97.1	2.9	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Soumska	95.7	2.1	2.1	97.2	2.8	100.0	0.0	0.0	100.0	0.0
Kharkivska	95.7	3.0	1.2	96.8	3.2	100.0	0.0	0.0	100.0	0.0
Khersonska	83.3	10.4	6.3	88.9	11.1	100.0	0.0	0.0	100.0	0.0
Khmelnitska	100.0	0.0	0.0	100.0	0.0	92.3	3.8	3.8	100.0	0.0
Cherkasska	92.2	6.3	1.6	90.0	10.0	100.0	0.0	0.0	88.9	11.1
Chernivetska	100.0	0.0	0.0	100.0	0.0	94.7	0.0	5.3	100.0	0.0
Chernigivska	100.0	0.0	0.0	95.7	4.3	100.0	0.0	0.0	100.0	0.0
Kyiv city	94.7	4.7	0.6	93.3	6.7	97.4	2.6	0.0	86.2	13.8

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	17.3	4.0	3.0	2.8	0.1	0.0	18.4	12.0	11.6	45.6	30.1	24.9
Vinnitska	4.9	2.9	1.5	3.3	0.0	0.0	3.3	1.5	1.5	36.1	22.1	20.9
Volynska	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	6.5	21.1	0.0	6.5
Dnipropetrovska	2.7	0.6	0.0	0.0	0.0	0.0	16.9	2.9	1.3	2.7	2.3	0.7
Donetska	8.9	1.5	1.4	3.0	0.0	0.0	30.5	17.2	12.8	43.8	16.7	9.5
Zhytomirska	0.0	0.0	0.0	0.0	0.0	0.0	34.8	0.0	0.0	26.1	7.5	2.0
Zakarpatska	3.6	3.6	0.0	0.0	0.0	0.0	32.1	25.0	19.4	50.0	85.7	45.2
Ivano-Frankivska	95.7	0.0	1.8	14.9	0.0	0.0	0.0	0.0	0.0	100.0	95.7	33.9
Kyivska	21.6	4.6	2.5	2.7	0.0	0.0	9.5	0.0	1.3	60.8	40.2	41.8
Kirovogradska		0.0	0.0		0.0	0.0		4.8	11.1		21.4	16.7
Louganska	2.0	1.0	3.2	0.0	0.0	0.0	17.2	13.4	9.6	11.1	7.2	5.3
Lvivska	5.3	4.5	1.9	0.0	0.0	0.0	11.6	9.8	10.6	30.5	25.0	1.0
Mykolajivska	3.9	0.0	5.4	0.0	0.0	0.0	3.9	2.6	1.8	11.8	9.2	14.3
Odessa	5.5	4.5	0.9	0.0	0.0	0.0	2.3	0.0	0.0	2.3	0.9	3.6
Poltavska		10.3	6.7		0.0	0.0		100.0	81.1		23.1	31.1
Rivnenska	5.9	6.5	0.0	0.0	0.0	0.0	20.6	3.2	0.0	55.9	38.7	31.0
Soumska	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	0.0	40.0	20.0	17.9
Kharkivska	63.0	8.2	10.4	7.7	0.0	0.0	3.2	0.8	3.0	100.0	100.0	94.0
Khersonska	0.0	2.5	0.0	5.0	0.0	0.0	70.0	40.0	12.3	15.0	10.0	1.8
Khmelnitska	20.0	4.8	9.3	4.0	0.0	0.0	54.0	6.5	0.0	64.0	53.2	13.0
Cherkasska	71.2	23.6	5.0	10.2	1.4	0.0	3.4	15.3	16.7	44.1	30.6	33.3
Chernivetska	0.0	6.3	0.0	0.0	0.0	0.0	40.7	9.4	0.0	77.8	12.5	15.4
Chernigivska	38.2	2.2	3.7	17.6	0.0	0.0	29.4	24.4	3.7	85.3	35.6	13.0
Kyiv city	5.6	3.0	4.0	0.0	0.0	0.0	28.6	9.5	13.8	85.7	56.0	17.8
AR Krym			5.2			0.0			38.8			94.0
Sevastopol city			0.0			0.0			0.0			26.5

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	20.8	20.3	18.6	1.7	5.4	10.2	0.4%	1.2%	1.2%	0.0%	20.0%	30.0%
Vinnitska	22.4	14.0	14.1	0.0	0.0	1.6	0	0	1	0	0	1
Volynska	35.7	5.3	17.6	0.0	0.0	2.9	1	0	0	0	0	0
Dnipropetrovska		21.8	22.9	1.8	8.2	15.3	0	1	1	0	0	0
Donetska	17.9	21.6	18.2	1.0	4.0	7.1	0	0	0	0	0	0
Zhytomirska	20.5	34.9	20.0	4.0	8.0	12.0	0	0	0	0	0	0
Zakarpatska	30.0	18.5	17.9	0.0	7.1	14.3	0	0	0	0	0	0
Ivano-Frankivska	18.2	17.8	14.3	0.0	6.1	8.2	0	0	0	0	0	0
Kyivska	24.6	14.7	9.6	1.2	4.8	6.0	0	0	0	0	0	0
Kirovogradska			22.5	2.5	7.5	10.0		0	0		0	0
Louganska	28.2	16.3	12.0	0.0	4.3	7.6	0	0	0	0	0	0
Lvivska	28.7	20.6	19.3	1.8	5.5	9.2	0	1	1	0	1	0
Mykolajivska	16.7	25.0	21.1	0.0	1.3	6.6	0	0	0	0	0	0
Odeska	18.0	21.9	34.6	4.7	8.4	19.6	0	3	0	0	0	0
Poltavska			8.2	0.0	1.4	2.7		0	0		0	0
Rivnenska		20.0	32.3	3.2	9.7	29.0	0	0	0	0	0	0
Soumska	10.0	14.9	18.2	3.0	9.1	12.1	0	0	1	0	0	0
Kharkivska	14.4	25.6	16.4	1.6	5.7	11.5	2	1	2	0	1	1
Khersonska	31.4	20.5	23.3	0.0	2.3	7.0	0	0	0	0	0	0
Khmelnitska	22.0	26.0	16.4	3.6	5.5	9.1	0	2	0	0	0	0
Cherkasska	26.2	20.0	19.5	3.9	6.5	13.0	0	2	1	0	0	0
Chernivetska	25.0	32.0	25.8	6.5	6.5	22.6	0	0	0	0	0	0
Chernigivska	18.0	35.5	24.4	4.4	17.8	20.0	0	0	0	0	0	0
Kyiv city	14.3	10.4	13.1	0.6	2.8	6.3	0	0	1	0	0	0
АР Крим									1			1
м.Севастополь									1			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	95.4	96.8	94.6	21.2	24.7	24.8	28.5	28.4	26.6	84.0	84.6	83.7
Vinnitska	98.4	97.1	98.5	33.3	35.9	36.9	14.5	13.0	19.4	89.5	90.6	84.6
Volynska	95.0	100.0	100.0	10.5	14.7	3.3	20.0	40.0	61.3	94.7	91.2	70.0
Dnipropetrovska	92.6	97.2	99.3	14.7	13.5	14.0	34.6	34.5	28.8	78.2	87.1	89.5
Donetska	94.1	98.1	95.7	27.0	41.4	32.0	26.9	30.9	29.4	87.3	87.9	85.7
Zhytomirska	85.7	87.0	98.0	32.6	24.0	38.3	34.7	22.2	26.0	72.1	82.0	80.9
Zakarpatska	96.6	89.3	90.3	18.5	28.6	26.7	41.4	28.6	22.6	96.3	85.7	80.0
Ivano-Frankivska	89.6	91.7	83.9	2.2	10.2	3.8	16.7	33.3	35.7	73.3	69.4	73.6
Kyivska	98.6	97.7	94.9	11.8	8.4	18.1	29.7	19.3	27.8	91.2	84.3	83.3
Kirovogradska		97.7	81.5		10.0	9.8		18.6	25.9		77.5	80.4
Louganska	99.0	98.0	98.9	11.2	15.2	11.4	28.6	25.5	37.2	89.8	88.0	83.0
Lvivska	95.0	94.7	84.6	37.1	28.4	38.6	31.0	27.2	24.0	77.3	83.5	72.3
Mykolajivska	96.2	98.7	95.0	26.9	59.2	49.0	49.1	48.7	36.7	78.8	85.5	84.3
Odeska	98.6	99.1	99.1	15.3	15.0	22.7	31.7	41.6	23.2	83.2	84.1	90.0
Poltavska		85.9	87.8		24.7	32.5		28.2	30.0		79.5	75.9
Rivnenska	97.1	96.8	100.0	48.6	19.4	56.4	34.3	45.2	26.2	82.9	67.7	82.1
Soumska	100.0	100.0	100.0	4.3	21.2	18.2	17.0	16.7	16.4	91.5	87.9	80.3
Kharkivska	90.2	99.2	97.2	26.3	15.6	19.3	31.1	22.2	21.5	75.6	79.5	87.1
Khersonska	93.8	93.3	93.0	13.6	34.9	28.0	25.0	26.7	29.8	84.1	88.4	88.0
Khmelnitska	100.0	100.0	100.0	22.0	30.9	50.0	18.0	16.1	25.9	80.0	89.1	90.7
Cherkasska	95.3	96.3	93.8	18.3	5.2	11.3	40.6	43.8	43.1	76.7	71.4	79.0
Chernivetska	96.3	96.9	92.3	36.0	12.9	0.0	22.2	43.8	46.2	92.0	87.1	83.3
Chernigivska	91.2	100.0	100.0	0.0	17.8	8.0	44.1	31.9	33.3	90.3	91.1	84.0
Kyiv city	99.4	98.9	97.2	22.1	39.2	39.2	15.9	13.9	8.9	93.9	89.8	92.2
АР Krym			81.4			7.8			26.3			75.7
Sevastopol city			100.0			13.3			17.6			90.0