

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	2.4	2.5	2.3
Incidence (world standard)	2.2	2.3	2.2
Incidence (Ukrainian standard)	2.4	2.5	2.4
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	-7.69% ~~	-13.79% ↓	-4.00% ~~
Estimated incidence rate for 2000 (Ukrainian standard)	2.51	2.68	2.45
Mortality (crude rate)	1.4	1.6	1.2
Mortality (world standard)	1.2	1.4	1.1
Mortality (Ukrainian standard)	1.4	1.7	1.2
Estimated mortality rate for 2000 (Ukrainian standard)	1.44	1.81	1.20
Relative 5-year survival rate, %	48.7	43.0	55.4
Median of relative survival (months)	55.8	43.2	-
Deaths during the first year of disease (diagnoses of 1999), %	19.7%	24.9%	15.0%
Patients underwent treatment during the first year of disease, %	81.1%	78.3%	83.7%
Microscopically verified diagnoses, %	96.8%	96.4%	97.1%
Probability of developing cancer at the age under 39	0.1% 1 in 997	0.1% 1 in 1107	0.1% 1 in 908
Probability of developing cancer at the age 40 – 59	0.0% 1 in 2378	0.1% 1 in 1914	0.0% 1 in 2974
Probability of developing cancer at the age 60+	0.1% 1 in 1810	0.1% 1 in 1537	0.1% 1 in 2064
Lifetime probability of developing cancer	0.2% 1 in 506	0.2% 1 in 482	0.2% 1 in 520

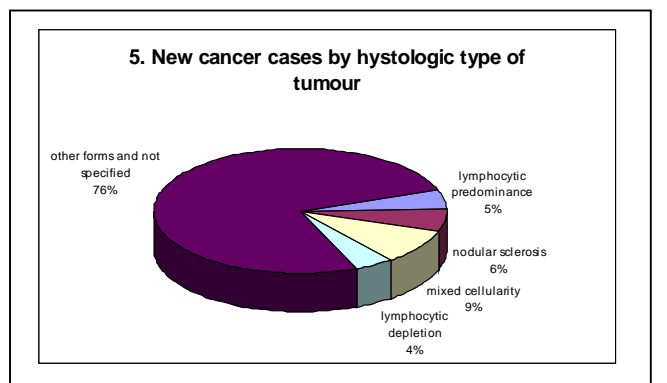


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	2.4	2.5	2.3	2.4	2.5	2.4	0.18	0.18	0.17	1241	607	634
Vinnitska	3.0	2.1	3.7	3.0	2.1	4.0	0.22	0.13	0.30	65	44	21
Volynska	2.2	2.4	2.0	2.2	2.3	2.1	0.16	0.18	0.14	20	15	5
Dnipropetrovska	2.5	3.0	2.0	2.5	3.0	2.0	0.19	0.22	0.15	112	46	66
Donetska	2.8	3.1	2.7	2.9	3.0	2.7	0.21	0.22	0.19	120	64	56
Zhytomirska	2.4	2.1	2.6	2.4	2.1	2.8	0.18	0.17	0.20	31	17	14
Zakarpatska	1.5	1.9	1.1	1.6	2.2	1.0	0.11	0.17	0.06	30	21	9
Ivano-Frankivska	2.2	2.3	2.1	2.2	2.4	2.1	0.16	0.19	0.14	44	24	20
Kyivska	3.4	3.6	3.2	3.5	3.9	3.5	0.24	0.26	0.25	52	29	23
Kirovogradska	1.8	2.6	1.1	1.9	2.7	1.2	0.15	0.23	0.09	21	14	7
Louganska	2.7	2.7	2.8	2.8	2.7	2.9	0.20	0.20	0.21	63	34	29
Lvivska	2.3	2.2	2.4	2.3	2.3	2.4	0.17	0.17	0.17	48	20	28
Mykolajivska	1.8	1.5	2.0	1.8	1.6	2.1	0.12	0.08	0.15	26	19	7
Odessa	1.8	2.0	1.6	1.8	2.0	1.6	0.13	0.14	0.12	47	25	22
Poltavska	3.1	3.1	3.1	3.1	3.1	3.2	0.24	0.26	0.23	53	30	23
Rivnenska	2.1	2.3	1.9	2.1	2.2	2.0	0.15	0.17	0.13	34	12	22
Soumska	1.8	1.9	1.6	1.8	1.9	1.5	0.13	0.13	0.12	48	23	25
Kharkivska	2.1	2.0	2.2	2.2	2.0	2.4	0.16	0.15	0.17	78	42	36
Khersonska	2.0	1.7	2.3	2.0	1.6	2.3	0.15	0.12	0.17	28	10	18
Khmelnitska	2.9	2.5	3.3	3.0	2.5	3.4	0.22	0.20	0.25	54	28	26
Cherkasska	2.0	2.1	1.9	2.1	2.2	2.1	0.16	0.18	0.15	41	22	19
Chernivetska	1.5	2.3	0.8	1.5	2.2	0.8	0.12	0.18	0.07	27	16	11
Chernigivska	1.4	1.7	1.1	1.4	1.7	1.1	0.11	0.13	0.09	26	12	14
Kyiv city	2.9	2.9	2.8	2.8	3.0	2.6	0.19	0.20	0.18	83	37	46

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 cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	1.4	1.6	1.2	1.4	1.7	1.2	11248	6428	4819	715	394	321
Vinnitska	1.1	1.1	1.1	1.1	1.2	1.2	351.8	188.0	163.8	34	19	15
Volynska	1.8	2.0	1.6	1.9	2.1	1.7	389.0	214.3	174.8	10	8	2
Dnipropetrovska	1.3	1.4	1.1	1.2	1.4	1.2	842.0	422.1	419.9	55	33	22
Donetska	1.4	1.6	1.3	1.4	1.6	1.3	1033.7	494.8	538.9	75	42	33
Zhytomirska	2.3	3.3	1.4	2.4	3.5	1.5	606.8	459.8	146.9	13	7	6
Zakarpatska	1.2	1.9	0.6	1.5	2.6	0.6	206.9	144.4	62.5	14	8	6
Ivano-Frankivska	1.5	2.5	0.7	1.5	2.5	0.7	344.4	308.3	36.1	20	13	7
Kyivska	2.3	2.8	1.8	2.3	3.1	1.8	434.3	261.8	172.6	30	19	11
Kirovogradska	1.4	1.7	1.1	1.4	1.8	1.2	282.9	154.4	128.5	15	10	5
Louganska	1.4	1.8	1.0	1.4	1.9	1.1	582.1	287.8	294.3	52	35	17
Lvivska	1.1	1.2	1.1	1.2	1.5	1.1	466.3	231.3	235.0	26	13	13
Mykolajivska	1.3	1.3	1.3	1.3	1.3	1.2	303.9	193.4	110.5	14	10	4
Odessa	1.4	2.0	1.0	1.5	2.2	1.0	437.3	299.9	137.3	20	14	6
Poltavska	1.7	2.2	1.2	1.7	2.3	1.1	425.8	296.4	129.4	22	17	5
Rivnenska	0.9	0.9	1.0	1.0	0.9	1.0	220.4	123.3	97.1	7	3	4
Soumska	1.8	1.1	2.3	1.8	1.1	2.4	502.7	139.4	363.3	25	14	11
Kharkivska	1.1	1.2	1.1	1.1	1.2	1.0	592.8	377.0	215.8	43	24	19
Khersonska	0.7	0.9	0.6	0.7	0.9	0.6	199.0	121.3	77.7	15	12	3
Khmelnitska	1.8	1.9	1.6	1.8	2.0	1.7	345.5	180.4	165.1	15	9	6
Cherkasska	0.9	0.6	1.1	0.9	0.7	1.3	214.2	40.8	173.4	23	13	10
Chernivetska	1.3	1.8	0.8	1.3	1.9	0.8	247.4	155.8	91.7	9	6	3
Chernigivska	1.2	1.5	0.8	1.2	1.5	0.9	233.5	152.8	80.8	16	10	6
Kyiv city	1.6	1.6	1.5	1.6	1.7	1.5	703.3	447.6	255.7	46	23	23

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	94.4	4.6	1.0	94.5	5.5	95.4	3.6	1.0	97.6	2.4
Vinnitska	100.0	0.0	0.0	100.0	0.0	95.5	4.5	0.0	85.0	15.0
Volynska	90.3	6.5	3.2	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	87.4	10.3	2.3	90.2	9.8	98.1	1.9	0.0	97.9	2.1
Donetska	92.9	7.1	0.0	89.4	10.6	91.8	6.8	1.4	100.0	0.0
Zhytomirska	96.6	3.4	0.0	94.1	5.9	85.0	10.0	5.0	100.0	0.0
Zakarpatska	100.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	97.4	2.6	0.0	96.9	3.1	100.0	0.0	0.0	100.0	0.0
Kyivska	97.1	1.5	1.5	100.0	0.0	96.3	0.0	3.7	97.6	2.4
Kirovogradska				95.2	4.8				100.0	0.0
Louganska	100.0	0.0	0.0	98.6	1.4	94.3	5.7	0.0	91.9	8.1
Lvivska	96.2	3.8	0.0	96.8	3.2	92.0	8.0	0.0	96.8	3.2
Mykolajivska	100.0	0.0	0.0	95.7	4.3	100.0	0.0	0.0	100.0	0.0
Odessa	92.6	7.4	0.0	95.6	4.4	93.8	6.3	0.0	100.0	0.0
Poltavska				94.2	5.8				100.0	0.0
Rivnenska	100.0	0.0	0.0	96.0	4.0	100.0	0.0	0.0	100.0	0.0
Soumska	95.3	2.3	2.3	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Kharkivska	94.7	4.0	1.3	90.6	9.4	100.0	0.0	0.0	100.0	0.0
Khersonska	90.0	10.0	0.0	92.0	8.0	100.0	0.0	0.0	100.0	0.0
Khmelnitska	100.0	0.0	0.0	100.0	0.0	81.0	4.8	14.3	100.0	0.0
Cherkasska	80.6	6.5	12.9	82.8	17.2	100.0	0.0	0.0	84.6	15.4
Chernivetska	100.0	0.0	0.0	100.0	0.0	87.5	12.5	0.0	100.0	0.0
Chernigivska	96.4	3.6	0.0	94.4	5.6	100.0	0.0	0.0	100.0	0.0
Kyiv city	92.0	6.8	1.1	91.7	8.3	97.8	2.2	0.0	90.2	9.8

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	30.0	20.5	25.0	6.0	0.1	0.0				43.8	29.9	23.4
Vinnitska	25.5	7.4	44.6	9.8	0.0	0.0				25.5	18.5	12.3
Volynska	82.2	39.1	5.0	50.0	0.0	0.0				10.7	21.7	10.0
Dnipropetrovska	22.4	36.1	30.0	0.0	0.0	0.0				2.6	2.4	0.0
Donetska	46.6	29.9	24.1	2.8	0.0	0.0				32.6	11.0	14.8
Zhytomirska	50.0	37.5	86.7	0.0	0.0	0.0				3.6	3.1	3.3
Zakarpatska	26.7	26.3	76.7	0.0	0.0	0.0				40.0	63.2	53.3
Ivano-Frankivska	83.8	6.5	0.0	32.4	3.2	0.0				100.0	93.5	48.8
Kyivska	57.6	30.2	38.5	18.2	0.0	0.0				65.2	39.7	44.2
Kirovogradska		85.0	80.0		0.0	0.0					50.0	35.0
Louganska	21.8	2.8	1.6	0.0	0.0	0.0				9.1	2.8	4.8
Lvivska	9.3	1.7	2.1	0.0	0.0	0.0				64.0	53.3	0.0
Mykolajivska	37.5	50.0	37.5	0.0	0.0	0.0				6.3	27.3	12.5
Odessa	12.7	14.0	28.9	9.5	0.0	0.0				3.2	2.3	0.0
Poltavska		0.0	0.0		0.0	0.0					20.4	18.0
Rivnenska	91.7	100.0	100.0	0.0	0.0	0.0				83.3	58.3	71.9
Soumska	56.1	66.7	35.4	2.4	0.0	0.0				19.5	25.0	10.4
Kharkivska	9.9	1.7	0.0	2.8	0.0	0.0				90.1	84.5	63.4
Khersonska	0.0	0.0	0.0	0.0	0.0	0.0				63.0	21.7	38.5
Khmelnitska	4.8	0.0	0.0	2.4	0.0	0.0				73.2	81.4	13.0
Cherkasska	40.0	8.3	8.3	12.0	0.0	0.0				24.0	20.8	13.9
Chernivetska	0.0	0.0	3.7	0.0	0.0	0.0				64.0	7.1	18.5
Chernigivska	3.7	0.0	0.0	3.7	0.0	0.0				85.2	5.9	0.0
Kyiv city	0.0	6.1	9.3	0.0	0.0	0.0				65.4	31.8	22.7
AR Krym			64.4			0.0						91.1
Sevastopol city			22.2			0.0						11.1

non-applicable

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	19.7	20.1	19.7	3.2	8.5	13.1	1.0%	1.1%	0.7%	16.7%	0.0%	50.0%
Vinnitska	14.3	17.6	11.1	0.0	7.4	7.4	1	0	0	0	0	0
Volynska	19.2	19.4	22.7	0.0	4.5	18.2	1	0	0	0	0	0
Dnipropetrovska		20.9	21.3	5.6	10.1	12.4		1	0	0	0	0
Donetska	16.4	23.0	17.6	2.8	5.6	12.0	1	2	0	0	0	0
Zhytomirska	16.1	27.6	24.2	6.1	12.1	21.2	0	1	0	0	0	0
Zakarpatska	39.3	35.7	26.3	5.3	21.1	21.1	0	0	1	0	0	1
Ivano-Frankivska	15.4	13.5	31.3	0.0	15.6	21.9	0	0	0	0	0	0
Kyivska	21.2	16.4	29.5	6.6	14.8	16.4	0	0	0	0	0	0
Kirovogradska			20.0	10.0	15.0	15.0		0	0		0	0
Louganska	28.1	28.3	12.3	2.7	5.5	8.2	0	0	0	0	0	0
Lvivska	23.2	23.7	20.3	0.0	3.4	11.9	0	0	0	0	0	0
Mykolajivska	29.0	43.8	26.1	13.0	21.7	26.1	0	1	1	0	0	0
Odeska	15.9	22.7	22.2	2.2	11.1	15.6	0	0	0	0	0	0
Poltavska			26.9	3.8	7.7	19.2		0	0		0	0
Rivnenska		13.6	16.0	0.0	4.0	12.0	0	0	0	0	0	0
Soumska	12.5	18.6	45.5	0.0	18.2	36.4	0	0	0	0	0	0
Kharkivska	17.2	18.3	15.6	3.1	3.1	3.1	3	1	1	1	0	1
Khersonska	12.0	24.1	12.5	0.0	4.2	4.2	0	0	0	0	0	0
Khmelnitska	19.4	17.5	20.9	7.0	11.6	14.0	0	0	0	0	0	0
Cherkasska	3.2	6.5	11.1	3.7	3.7	7.4	0	1	0	0	0	0
Chernivetska	26.9	12.0	14.3	0.0	7.1	14.3	0	0	0	0	0	0
Chernigivska	17.6	33.3	22.2	5.6	11.1	11.1	0	0	0	0	0	0
Kyiv city	22.4	8.1	11.1	0.0	5.6	8.3	0	0	1	0	0	0
АР Крим									0			0
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	95.2	96.8	93.2	7.7	7.6	7.4	non-applicable				83.1	81.1	78.4
Vinnitska	94.1	100.0	100.0	7.8	5.6	11.1		76.5	88.9	84.1			
Volynska	100.0	100.0	100.0	6.5	4.5	5.0		90.3	90.9	85.0			
Dnipropetrovska	97.7	98.9	100.0	11.6	9.0	5.1		83.7	87.6	86.7			
Donetska	96.8	98.6	100.0	13.2	12.7	19.8		87.5	73.9	62.3			
Zhytomirska	69.0	64.7	3.3	6.9	12.1	17.9		82.8	75.8	71.4			
Zakarpatska	93.3	73.7	73.3	0.0	10.5	3.4		78.6	73.7	44.8			
Ivano-Frankivska	84.2	100.0	86.0	2.7	0.0	2.4		67.6	71.9	81.0			
Kyivska	98.5	100.0	96.2	4.5	4.9	3.8		82.1	83.6	88.5			
Kirovogradska		85.7	85.0		5.0	0.0			65.0	60.0			
Louganska	100.0	100.0	100.0	15.1	4.1	1.6		88.7	90.4	77.0			
Lvivska	100.0	100.0	97.9	14.5	3.4	6.4		77.6	89.8	93.6			
Mykolajivska	100.0	95.7	100.0	0.0	39.1	24.0		81.3	56.5	76.0			
Odeska	89.7	97.8	93.3	4.5	13.3	2.3		87.9	77.8	84.1			
Poltavska		86.5	100.0		11.5	10.0			67.3	58.0			
Rivnenska	100.0	100.0	100.0	4.5	4.0	6.5		40.9	84.0	93.5			
Soumska	100.0	100.0	100.0	2.3	4.5	6.3		83.7	72.7	87.5			
Kharkivska	78.7	96.9	81.8	2.8	1.6	8.1		77.5	87.5	81.1			
Khersonska	100.0	100.0	100.0	6.9	16.7	7.7		82.8	75.0	80.8			
Khmelnitska	100.0	100.0	100.0	0.0	0.0	0.0		92.5	90.7	87.0			
Cherkasska	93.5	100.0	100.0	9.7	3.7	0.0	61.3	85.2	88.9				
Chernivetska	100.0	100.0	96.3	12.0	0.0	3.8	88.0	78.6	88.5				
Chernigivska	100.0	100.0	100.0	0.0	5.6	4.0	96.3	77.8	80.0				
Kyiv city	100.0	100.0	98.7	5.8	5.6	13.0	95.3	84.7	87.0				
AR Krym			78.3			0.0			46.7				
Sevastopol city			100.0			0.0			77.8				