

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	3.9	4.7	3.2
Incidence (world standard)	2.9	3.9	2.1
Incidence (Ukrainian standard)	3.9	5.3	2.9
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	0.00% ~~	1.92% ~~	0.00% ~~
<b>Estimated incidence rate for 2000 (Ukrainian standard)</b>	3.84	5.19	2.88
Mortality (crude rate)	2.5	3.2	2.0
Mortality (world standard)	1.8	2.5	1.2
Mortality (Ukrainian standard)	2.5	3.7	1.8
<b>Estimated mortality rate for 2000 (Ukrainian standard)</b>	2.48	3.63	1.69
Relative 5-year survival rate, %	28.5	25.5	32.5
Median of relative survival (months)	12.6	11.2	14.9
Deaths during the first year of disease (diagnoses of 1999), %	45.0%	48.0%	41.1%
Patients underwent treatment during the first year of disease, %	71.9%	70.4%	73.9%
Microscopically verified diagnoses, %	92.1%	91.0%	93.5%
Probability of developing cancer at the age under 39	0.1% 1 in 1799	0.1% 1 in 1409	0.0% 1 in 2514
Probability of developing cancer at the age 40 – 59	0.1% 1 in 1046	0.1% 1 in 816	0.1% 1 in 1370
Probability of developing cancer at the age 60+	0.3% 1 in 374	0.4% 1 in 253	0.2% 1 in 486
Lifetime probability of developing cancer	0.4% 1 in 239	0.6% 1 in 170	0.3% 1 in 314

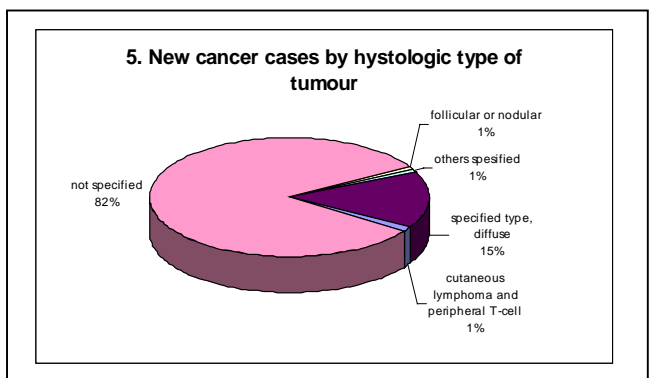


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣
Ukraine	3.9	4.7	3.2	3.9	5.3	2.9	0.31	0.42	0.23	1900	1066	833
Vinnitska	4.8	5.7	4.1	4.6	5.9	3.6	0.36	0.44	0.29	75	45	30
Volynska	3.2	3.6	2.9	3.5	4.2	2.9	0.26	0.28	0.23	37	21	16
Dnipropetrovska	3.9	4.4	3.3	3.9	4.8	3.1	0.31	0.44	0.23	121	69	52
Donetska	3.1	4.2	2.1	3.0	4.6	1.9	0.23	0.37	0.13	150	92	58
Zhytomirska	4.2	6.0	2.7	4.1	6.4	2.5	0.32	0.54	0.16	65	32	33
Zakarpatska	2.9	2.9	2.9	3.2	3.5	3.0	0.27	0.26	0.26	45	27	18
Ivano-Frankivska	3.2	3.8	2.8	3.5	4.6	2.6	0.25	0.33	0.19	48	26	22
Kyivska	4.1	4.6	3.6	4.1	5.3	3.5	0.32	0.42	0.27	73	41	32
Kirovogradska	4.6	6.1	3.3	4.5	6.9	3.0	0.38	0.57	0.25	29	19	10
Louganska	2.9	3.8	2.2	3.0	4.4	2.0	0.21	0.31	0.14	68	42	26
Lvivska	4.8	5.9	3.9	5.1	7.0	3.7	0.42	0.60	0.28	125	72	53
Mykolajivska	5.5	7.2	4.0	5.7	8.7	3.8	0.43	0.60	0.31	44	19	25
Odessa	4.1	5.3	3.1	4.2	5.8	3.0	0.35	0.44	0.27	103	48	55
Poltavska	4.1	4.9	3.5	3.9	5.4	3.1	0.30	0.42	0.23	58	38	20
Rivnenska	4.4	4.8	4.0	4.6	5.2	4.1	0.39	0.44	0.33	38	19	19
Soumska	4.3	5.8	3.0	4.2	6.2	2.5	0.33	0.46	0.21	50	28	22
Kharkivska	3.3	3.7	3.0	3.3	4.2	2.8	0.26	0.33	0.22	105	51	54
Khersonska	3.6	4.5	2.9	4.0	5.6	2.9	0.31	0.40	0.23	37	26	11
Khmelnitska	3.5	3.2	3.7	3.4	3.5	3.3	0.26	0.27	0.25	70	43	27
Cherkasska	4.1	5.3	3.1	3.9	5.7	2.7	0.30	0.47	0.19	57	34	23
Chernivetska	3.9	4.3	3.6	4.3	5.5	3.6	0.31	0.42	0.25	38	19	19
Chernigivska	3.6	4.6	2.8	3.2	4.6	2.4	0.26	0.38	0.18	50	26	24
Kyiv city	5.0	5.6	4.4	5.8	7.1	4.7	0.45	0.56	0.35	129	70	59

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	2.5	3.2	2.0	2.5	3.7	1.8	8255	6023	2231	1227	726	501
Vinnitska	2.9	3.6	2.2	2.7	4.0	1.8	350.7	222.5	128.2	50	35	15
Volynska	1.7	2.0	1.4	1.7	2.2	1.3	215.6	165.6	50.0	25	15	10
Dnipropetrovska	3.1	3.6	2.6	3.1	4.2	2.4	755.7	565.3	190.3	111	66	45
Donetska	2.1	3.1	1.3	2.1	3.4	1.2	477.5	401.7	75.8	108	74	34
Zhytomirska	2.3	3.0	1.7	2.2	3.1	1.5	227.9	153.1	74.8	44	24	20
Zakarpatska	1.9	2.6	1.2	2.1	3.2	1.2	206.7	201.8	4.9	28	18	10
Ivano-Frankivska	1.9	2.5	1.4	2.1	3.3	1.5	243.4	190.2	53.3	34	20	14
Kyivska	2.7	3.2	2.2	2.7	3.8	2.0	308.6	216.5	92.1	46	31	15
Kirovogradska	2.8	3.3	2.4	2.7	3.8	2.1	217.7	121.6	96.1	39	21	18
Louganska	2.5	3.1	2.0	2.5	3.6	1.7	594.7	434.2	160.5	71	43	28
Lvivska	3.0	4.0	2.1	3.1	4.7	2.0	504.3	364.2	140.1	84	48	36
Mykolajivska	3.2	4.8	1.9	3.4	6.0	1.7	272.0	188.7	83.3	35	20	15
Odessa	2.0	2.5	1.6	2.1	2.8	1.6	430.3	284.5	145.8	44	25	19
Poltavska	2.6	4.0	1.4	2.5	4.4	1.4	331.4	190.7	140.8	38	19	19
Rivnenska	3.0	3.4	2.6	3.3	4.0	2.7	382.0	292.7	89.3	13	8	5
Soumska	3.5	4.9	2.3	3.3	5.2	1.8	272.0	218.0	54.0	47	29	18
Kharkivska	2.1	2.5	1.8	2.1	2.9	1.6	288.8	217.6	71.2	53	30	23
Khersonska	2.3	2.4	2.3	2.5	2.7	2.2	212.4	134.4	78.0	33	23	10
Khmelnitska	2.6	2.5	2.7	2.5	3.0	2.3	155.3	108.1	47.3	32	21	11
Cherkasska	2.5	2.6	2.5	2.3	2.7	2.0	102.2	68.4	33.8	34	21	13
Chernivetska	2.6	3.4	1.8	2.7	4.7	1.7	67.1	43.6	23.5	25	12	13
Chernigivska	2.2	2.9	1.7	2.0	3.0	1.3	200.6	151.6	49.0	26	18	8
Kyiv city	2.7	3.1	2.4	3.2	4.2	2.5	496.8	401.7	95.2	66	35	31

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	3.7	0.5	96.1	3.9	95.3	3.5	1.2	97.9	2.1
Vinnitska	100.0	0.0	0.0	100.0	0.0	90.7	2.3	7.0	94.2	5.8
Volynska	96.4	3.6	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	91.0	9.0	0.0	94.4	5.6	96.3	3.7	0.0	95.7	4.3
Donetska	95.6	3.8	0.5	93.5	6.5	97.4	1.7	0.9	98.1	1.9
Zhytomirska	94.1	5.9	0.0	96.7	3.3	97.1	2.9	0.0	97.0	3.0
Zakarpatska	100.0	0.0	0.0	94.6	5.4	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	94.1	3.9	2.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Kyivska	96.4	3.6	0.0	100.0	0.0	92.5	5.0	2.5	100.0	0.0
Kirovogradska				100.0	0.0				100.0	0.0
Louganska	98.9	1.1	0.0	98.7	1.3	94.4	4.2	1.4	100.0	0.0
Lvivska	95.6	2.9	1.5	95.4	4.6	89.5	10.5	0.0	98.8	1.2
Mykolajivska	97.8	2.2	0.0	97.2	2.8	100.0	0.0	0.0	97.6	2.4
Odessa	94.8	4.2	1.0	95.2	4.8	90.5	9.5	0.0	98.0	2.0
Poltavska				98.6	1.4				97.7	2.3
Rivnenska	96.9	3.1	0.0	94.2	5.8	100.0	0.0	0.0	100.0	0.0
Soumska	100.0	0.0	0.0	96.6	3.4	97.7	2.3	0.0	100.0	0.0
Kharkivska	97.4	2.6	0.0	94.9	5.1	100.0	0.0	0.0	100.0	0.0
Khersonska	82.4	13.7	3.9	88.9	11.1	96.7	3.3	0.0	100.0	0.0
Khmelnitska	100.0	0.0	0.0	98.0	2.0	95.5	2.3	2.3	100.0	0.0
Cherkasska	93.9	6.1	0.0	96.7	3.3	97.4	0.0	2.6	91.9	8.1
Chernivetska	100.0	0.0	0.0	97.3	2.7	85.7	0.0	14.3	95.8	4.2
Chernigivska	100.0	0.0	0.0	97.9	2.1	100.0	0.0	0.0	100.0	0.0
Kyiv city	95.0	4.0	1.0	91.4	8.6	85.2	11.1	3.7	93.0	7.0

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	31.3	24.2	23.8	7.1	0.4	0.0	non-applicable				47.6	32.5	26.9
Vinnitska	55.9	56.8	56.0	17.7	0.0	0.0		38.2	31.8	25.3			
Volynska	77.7	55.9	40.5	48.1	0.0	0.0		22.2	5.9	8.1			
Dnipropetrovska	29.5	21.3	23.5	0.0	0.0	0.0		3.3	1.5	5.2			
Donetska	39.5	27.8	20.6	0.0	0.0	0.0		40.6	18.1	10.6			
Zhytomirska	43.8	30.5	47.6	0.0	0.0	0.0		25.0	6.8	4.8			
Zakarpatska	26.8	40.0	9.5	17.1	0.0	0.0		41.5	71.4	33.3			
Ivano-Frankivska	83.3	10.7	8.3	31.2	4.3	0.0		93.8	95.7	37.5			
Kyivska	47.5	45.3	30.1	15.0	0.0	0.0		66.3	49.3	45.2			
Kirovogradska		46.3	44.8		0.0	0.0			40.7	34.5			
Louganska	19.8	5.2	17.9	0.0	0.0	0.0		16.3	1.3	10.4			
Lvivska	13.1	8.0	10.0	0.0	0.0	0.0		54.6	51.2	0.0			
Mykolajivska	27.3	31.4	25.6	0.0	0.0	0.0		20.5	18.6	18.6			
Odessa	11.0	29.3	35.1	2.2	0.0	0.0		2.2	0.0	2.1			
Poltavska		1.4	1.8		0.0	0.0			23.2	31.6			
Rivnenska	41.3	69.4	61.1	0.0	0.0	0.0		65.1	61.2	61.1			
Soumska	35.2	17.9	20.8	7.4	0.0	0.0		35.2	25.0	35.4			
Kharkivska	23.9	5.3	16.0	11.5	0.0	0.0		97.3	92.6	78.0			
Khersonska	14.2	7.5	12.1	7.1	0.0	0.0		61.9	25.0	21.2			
Khmelnitska	9.3	4.0	5.8	1.9	0.0	0.0		75.9	66.0	23.2			
Cherkasska	69.4	29.3	7.3	41.9	6.9	0.0		38.7	31.0	27.3			
Chernivetska	11.1	5.6	10.8	0.0	0.0	0.0		72.2	22.2	13.5			
Chernigivska	8.0	21.7	4.1	0.0	0.0	0.0		82.0	17.4	14.3			
Kyiv city	12.5	16.2	16.9	0.0	0.0	0.0		77.1	39.3	39.0			
AR Krym			52.5			0.0				91.3			
Sevastopol city			50.0			0.0				6.3			

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	47.7	44.5	45.0	6.9	20.3	32.7	2.8%	2.4%	2.9%	17.9%	18.5%	12.5%
Vinnitska	44.8	49.3	40.5	1.2	14.3	26.2	1	0	0	0	0	0
Volynska	50.0	29.6	44.1	5.9	11.8	23.5	1	0	1	0	0	0
Dnipropetrovska		43.4	53.2	12.8	26.2	40.4	4	6	1	0	0	0
Donetska	52.5	51.1	46.9	5.4	25.2	34.7	4	1	2	0	0	0
Zhytomirska	52.6	54.2	47.5	3.3	18.0	29.5	0	0	2	0	0	1
Zakarpatska	58.6	45.0	50.0	5.3	18.4	36.8	0	0	0	0	0	0
Ivano-Frankivska	49.0	44.0	42.6	4.3	21.3	31.9	0	0	0	0	0	0
Kyivska	42.9	31.7	32.9	7.1	17.1	24.3	1	0	2	1	0	1
Kirovogradska			55.8	7.7	26.9	38.5		2	1		0	0
Louganska	53.2	65.1	55.3	9.2	23.7	40.8	0	0	1	0	0	0
Lvivska	42.3	37.5	45.1	3.3	16.4	32.0	0	2	0	0	1	0
Mykolajivska	43.6	39.5	54.3	10.0	24.3	38.6	5	1	3	3	0	0
Odessa	37.1	47.3	25.5	8.8	17.6	21.6	1	3	4	0	0	0
Poltavska			50.7	3.0	19.4	40.3		0	0		0	0
Rivnenska		45.3	48.0	8.0	22.0	38.0	0	1	0	0	1	0
Soumska	70.0	53.8	56.1	5.3	26.3	47.4	2	0	0	0	0	0
Kharkivska	57.9	46.8	37.5	10.4	17.7	29.2	6	3	5	1	1	2
Khersonska	42.1	42.9	61.9	7.1	16.7	28.6	1	1	1	0	0	0
Khmelnitska	44.8	38.9	51.1	12.8	21.3	36.2	0	2	1		0	0
Cherkasska	42.2	35.0	38.3	8.3	13.3	23.3	1	3	5	0	1	0
Chernivetska	50.0	29.4	47.4	2.6	23.7	39.5	0	0	0	0	0	0
Chernigivska	45.7	46.8	34.8	13.0	15.2	26.1	1	1	2	0	1	0
Kyiv city	40.4	35.1	36.1	3.4	21.0	27.7	0	1	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	92.3	92.1	91.9	4.0	5.2	5.4	non-applicable				74.2	71.9	73.2
Vinnitska	86.8	93.2	100.0	2.9	4.8	5.5		66.7	73.8	74.0			
Volynska	96.4	97.1	100.0	0.0	11.8	5.6		81.5	91.2	80.6			
Dnipropetrovska	95.5	97.9	100.0	5.4	2.8	4.5		72.1	66.7	70.3			
Donetska	89.6	91.6	100.0	6.8	10.2	12.7		73.9	74.1	72.4			
Zhytomirska	72.5	68.9	9.5	4.2	3.3	3.4		77.1	77.0	71.2			
Zakarpatska	75.6	70.3	90.5	10.0	0.0	2.5		72.5	57.9	62.5			
Ivano-Frankivska	92.2	95.7	89.6	0.0	2.1	0.0		76.0	70.2	78.7			
Kyivska	96.4	93.3	95.9	2.4	1.4	5.6		82.9	77.1	79.2			
Kirovogradska		90.7	72.4		1.9	3.6			65.4	57.1			
Louganska	100.0	98.7	100.0	0.0	2.6	9.2		72.1	65.8	73.8			
Lvivska	97.8	97.7	95.8	7.0	0.8	3.4		84.4	81.1	83.9			
Mykolajivska	95.6	90.3	90.9	4.7	37.1	18.6		58.1	72.9	55.8			
Odessa	92.7	96.2	93.8	4.3	2.9	4.3		75.3	77.5	78.5			
Poltavska		70.0	94.7		3.0	12.3			41.8	64.9			
Rivnenska	92.3	96.2	100.0	0.0	4.0	2.9		53.1	72.0	85.3			
Soumska	98.1	98.3	100.0	1.9	1.8	4.3		71.2	70.2	67.4			
Kharkivska	79.3	74.7	84.5	5.4	1.0	5.2		68.5	66.7	74.2			
Khersonska	88.2	93.3	81.8	0.0	9.5	6.9		77.6	69.0	55.2			
Khmelnitska	100.0	100.0	100.0	0.0	2.1	0.0		92.6	72.3	72.1			
Cherkasska	97.0	100.0	98.3	3.3	1.7	0.0	38.3	65.0	73.2				
Chernivetska	100.0	97.3	91.9	17.6	5.3	5.9	88.2	78.9	73.5				
Chernigivska	100.0	100.0	98.0	4.3	2.2	0.0	85.1	87.0	78.3				
Kyiv city	95.0	97.7	97.5	3.1	5.9	5.2	91.8	78.2	76.7				
АР Krym			89.2			3.7			70.4				
Sevastopol city			100.0			0.0			60.0				