

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	9.6	17.1	3.2
Incidence (world standard)	5.8	12.6	1.6
Incidence (Ukrainian standard)	9.7	22.2	2.7
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	0.00% ~~	-0.89% ~~	3.85% ~~
<i>Estimated incidence rate for 2000 (Ukrainian standard)</i>	9.7	22.2	2.7
Mortality (crude rate)	5.3	9.6	1.7
Mortality (world standard)	3.0	7.0	0.7
Mortality (Ukrainian standard)	5.4	13.1	1.4
<i>Estimated mortality rate for 2000 (Ukrainian standard)</i>	5.4	13.2	1.3
Relative 5-year survival rate, %	38.0	37.7	40.0
Median of relative survival (months)	24.9	24.4	28.6
Deaths during the first year of disease (diagnoses of 1999), %	33.6%	33.6%	33.3%
Patients underwent treatment during the first year of disease, %	61.6%	63.1%	54.4%
Microscopically verified diagnoses, %	72.1%	72.9%	68.4%
Probability of developing cancer at the age under 39	0.0% 1 in 7456	0.0% 41 in 788	0.0% 1 in 16644
Probability of developing cancer at the age 40 – 59	0.2% 1 in 620	0.3% 1 in 326	0.0% 1 in 2396
Probability of developing cancer at the age 60+	1.1% 1 in 90	2.8% 1 in 35	0.3% 1 in 291
Lifetime probability of developing cancer	1.3% 71 in 8	3.2% 1 in 32	0.4% 1 in 56

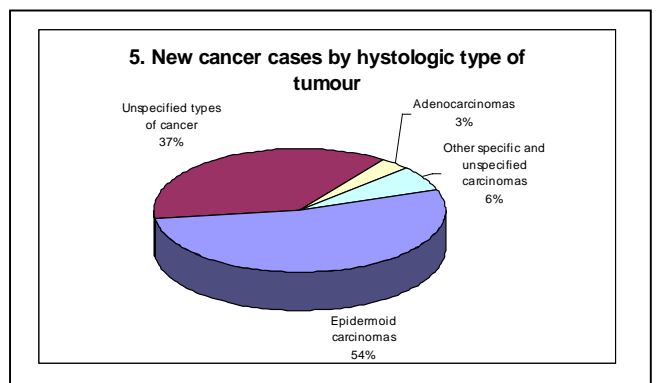


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	9.6	17.1	3.2	9.7	22.2	2.7	0.74	1.58	0.19	4801	3972	829
Vinnitska	9.6	16.8	3.5	8.5	19.5	2.7	0.63	1.31	0.21	196	154	42
Volynska	6.6	11.7	2.0	6.9	16.2	1.7	0.55	1.28	0.12	76	57	19
Dnipropetrovska	9.5	17.8	2.3	9.9	23.8	2.1	0.74	1.65	0.13	348	271	77
Donetska	10.6	18.8	3.7	10.4	23.9	3.0	0.75	1.62	0.20	507	417	90
Zhytomirska	10.4	18.5	3.3	9.8	22.9	2.7	0.76	1.66	0.21	153	124	29
Zakarpatska	4.4	6.8	2.1	5.7	10.5	2.4	0.42	0.76	0.17	66	53	13
Ivano-Frankivska	6.8	11.5	2.5	7.5	16.0	2.4	0.62	1.26	0.21	104	89	15
Kyivska	11.1	18.6	4.6	11.0	23.8	3.7	0.84	1.68	0.28	189	152	37
Kirovogradska	11.5	21.5	3.0	11.0	25.7	2.6	0.84	1.86	0.19	164	134	30
Louganska	9.7	18.0	2.6	9.4	22.4	2.2	0.77	1.67	0.19	321	269	52
Lvivska	7.7	13.8	2.2	8.3	18.6	2.1	0.61	1.33	0.12	239	188	51
Mykolajivska	11.5	21.0	3.1	12.5	29.2	3.0	1.01	2.21	0.24	139	108	31
Odessa	8.9	15.0	3.5	9.6	20.3	3.3	0.72	1.52	0.21	255	208	47
Poltavska	11.7	21.1	3.8	10.4	25.3	2.7	0.75	1.70	0.15	224	189	35
Rivnenska	6.2	10.8	1.9	7.0	15.0	2.0	0.55	1.18	0.13	86	79	7
Soumska	9.7	18.1	2.6	8.8	21.2	1.9	0.68	1.51	0.15	136	113	23
Kharkivska	10.6	19.4	3.2	10.5	24.4	2.7	0.87	1.92	0.21	263	209	54
Khersonska	9.0	15.4	3.4	10.2	23.9	3.2	0.72	1.53	0.20	134	101	33
Khmelnitska	8.5	15.4	2.7	8.1	18.7	2.0	0.60	1.32	0.13	123	109	14
Cherkasska	11.3	21.0	3.3	10.2	24.7	2.3	0.75	1.67	0.15	167	137	30
Chernivetska	9.6	16.4	3.6	10.3	21.4	3.4	0.72	1.44	0.23	107	87	20
Chernigivska	11.0	19.5	4.1	9.1	20.2	3.0	0.72	1.47	0.24	113	98	15
Kyiv city	11.2	18.5	4.8	14.2	29.4	5.2	0.98	1.91	0.33	286	228	58

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	5.3	9.6	1.7	5.4	13.1	1.4	2837.5	2619.5	217.8	2677	2256	421
Vinnitska	5.8	10.9	1.6	5.1	13.2	1.1	63.7	63.7	0.0	106	89	17
Volynska	3.8	7.0	0.9	4.0	9.8	0.7	47.5	47.5	0.0	43	35	8
Dnipropetrovska	6.3	11.4	1.8	6.5	15.5	1.6	325.1	303.8	21.3	187	156	31
Donetska	5.9	10.7	1.7	5.8	14.7	1.4	234.5	215.8	18.7	316	261	55
Zhytomirska	6.8	13.0	1.4	6.4	16.1	1.3	152.7	129.7	23.0	83	67	16
Zakarpatska	2.6	3.9	1.4	3.4	6.0	1.5	45.6	45.6	0.0	37	35	2
Ivano-Frankivska	2.8	4.9	0.8	2.9	6.7	0.7	61.4	59.7	1.8	59	53	6
Kyivska	6.3	11.1	2.1	6.3	14.7	1.7	105.3	105.3	0.0	119	104	15
Kirovogradska	5.7	10.6	1.6	5.3	12.9	1.1	124.1	122.0	2.1	79	72	7
Louganska	5.3	9.7	1.5	5.2	12.7	1.2	83.8	78.2	5.7	191	160	31
Lvivska	3.6	6.7	0.8	3.8	9.6	0.7	93.7	93.7	0.0	111	94	17
Mykolajivska	5.5	10.7	1.0	6.1	15.5	0.9	92.0	83.9	8.1	72	62	10
Odessa	5.0	7.8	2.5	5.4	11.5	2.3	182.8	143.0	39.8	141	112	29
Poltavska	5.7	10.0	2.1	4.8	12.9	1.4	78.4	78.4	0.0	107	92	15
Rivnenska	4.2	7.8	1.0	4.9	11.5	0.9	90.2	90.2	0.0	45	41	4
Soumska	6.2	10.7	2.5	5.4	13.0	1.6	59.0	33.4	25.6	93	81	12
Kharkivska	5.4	10.5	1.1	5.3	14.1	0.9	163.8	152.3	11.4	134	113	21
Khersonska	5.6	10.0	1.7	6.6	16.0	1.6	51.9	51.9	0.0	70	58	12
Khmelnitska	6.0	12.0	0.9	5.7	14.7	0.7	143.6	131.8	11.8	100	86	14
Cherkasska	5.0	7.8	2.6	4.3	10.1	2.0	32.6	31.3	1.3	105	97	8
Chernivetska	5.1	9.3	1.4	5.5	12.9	1.2	31.1	31.1	0.0	49	47	2
Chernigivska	8.3	15.0	2.8	6.7	15.8	1.8	123.8	123.8	0.0	88	76	12
Kyiv city	4.3	6.8	2.1	5.7	12.3	2.4	127.7	105.1	22.6	114	94	20

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	94.9	4.1	1.0	95.8	4.2	95.8	3.5	0.7	98.2	1.8
Vinnitska	98.2	1.2	0.6	98.3	1.7	94.4	2.2	3.4	96.2	3.8
Volynska	86.5	12.2	1.4	97.1	2.9	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	90.7	8.5	0.8	95.8	4.2	97.6	1.9	0.5	99.1	0.9
Donetska	93.1	5.9	1.0	94.2	5.8	97.9	2.1	0.0	98.0	2.0
Zhytomirska	95.8	3.5	0.7	96.0	4.0	94.1	5.9	0.0	96.9	3.1
Zakarpatska	98.4	1.6	0.0	94.6	5.4	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	100.0	0.0	0.0	95.8	4.2	100.0	0.0	0.0	100.0	0.0
Kyivska	97.8	1.7	0.6	99.0	1.0	90.0	5.0	5.0	100.0	0.0
Kirovogradska				100.0	0.0				100.0	0.0
Louganska	97.6	1.6	0.8	97.7	2.3	94.5	5.5	0.0	95.8	4.2
Lvivska	95.2	2.9	1.9	97.1	2.9	95.1	4.9	0.0	100.0	0.0
Mykolajivska	91.8	5.1	3.1	92.7	7.3	100.0	0.0	0.0	98.6	1.4
Odessa	94.2	5.5	0.3	94.6	5.4	93.9	6.1	0.0	100.0	0.0
Poltavska				97.5	2.5				100.0	0.0
Rivnenska	100.0	0.0	0.0	94.5	5.5	100.0	0.0	0.0	100.0	0.0
Soumska	96.4	1.8	1.8	99.2	0.8	99.0	1.0	0.0	98.8	1.2
Kharkivska	96.1	3.2	0.7	95.3	4.7	100.0	0.0	0.0	100.0	0.0
Khersonska	95.4	4.6	0.0	93.7	6.3	100.0	0.0	0.0	100.0	0.0
Khmelnitska	97.5	2.5	0.0	96.8	3.2	93.6	4.3	2.1	96.6	3.4
Cherkasska	88.1	9.4	2.5	90.9	9.1	98.9	1.1	0.0	94.5	5.5
Chernivetska	97.2	0.0	2.8	98.9	1.1	93.3	3.3	3.3	100.0	0.0
Chernigivska	96.9	1.3	1.9	94.4	5.6	100.0	0.0	0.0	100.0	0.0
Kyiv city	95.2	3.6	1.2	93.8	6.2	78.7	18.1	3.1	89.3	10.7

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	90.9	85.9	84.1	33.3	36.5	37.3	19.0	14.8	10.6	52.9	42.2	31.0
Vinnitska	100.0	100.0	100.0	16.3	27.5	23.3	1.2	6.4	5.2	45.2	40.9	33.7
Volynska	98.4	35.3	11.0	31.3	23.5	28.8	4.7	14.7	8.2	40.6	17.6	12.3
Dnipropetrovska	91.5	77.6	71.0	28.7	24.4	21.0	12.0	5.0	2.1	2.9	2.4	1.8
Donetska	91.8	78.0	75.2	39.3	36.6	39.9	27.0	24.2	10.4	52.9	33.4	22.5
Zhytomirska	98.5	93.7	98.0	38.2	39.2	27.9	37.5	2.1	0.7	14.0	10.5	8.2
Zakarpatska	98.3	100.0	100.0	48.3	45.3	44.4	61.7	75.5	14.3	76.7	84.9	73.0
Ivano-Frankivska	100.0	98.9	100.0	44.6	23.9	33.7	0.0	5.4	0.0	99.1	84.8	38.8
Kyivska	93.2	92.6	96.3	27.1	37.9	37.4	12.4	4.4	0.5	76.3	72.4	43.9
Kirovogradska		88.1	98.8		48.9	64.6		13.3	12.8		47.4	43.3
Louganska	85.0	63.4	74.5	35.2	26.8	44.6	6.9	9.4	11.8	23.9	9.1	15.3
Lvivska	100.0	100.0	99.6	25.7	38.9	42.7	10.1	4.4	2.6	73.2	66.5	6.0
Mykolajivska	97.8	99.3	96.2	15.6	10.8	28.5	16.7	2.9	0.0	76.7	66.2	32.3
Odessa	24.4	22.3	14.5	9.8	10.4	7.9	0.4	0.0	0.0	2.5	0.0	0.8
Poltavska		100.0	99.5		49.7	50.9		100.0	71.6		37.8	39.0
Rivnenska	98.7	97.1	100.0	43.4	68.1	63.0	2.6	0.0	1.2	75.0	47.8	46.9
Soumska	99.4	99.2	100.0	45.1	40.0	45.2	11.1	1.5	13.3	42.6	28.5	31.9
Kharkivska	100.0	99.7	100.0	40.7	52.0	43.0	4.8	5.6	2.8	100.0	99.3	96.8
Khersonska	100.0	100.0	99.2	30.8	40.4	38.9	1.9	11.5	2.4	9.6	16.3	7.9
Khmelnitska	99.1	90.9	90.8	39.7	62.8	41.2	83.6	1.7	3.4	85.3	82.6	29.4
Cherkasska	100.0	99.3	99.3	48.3	55.7	51.3	7.1	23.5	19.1	40.4	32.9	35.5
Chernivetska	100.0	100.0	94.3	32.9	50.6	53.8	48.6	30.3	0.0	90.0	36.0	24.5
Chernigivska	98.7	76.3	47.7	36.2	29.6	23.4	53.5	14.8	6.5	93.5	30.4	18.7
Kyiv city	100.0	100.0	100.0	38.0	33.9	30.5	41.8	8.4	6.3	91.6	66.1	35.3
AR Krym			98.4			37.4			44.9			90.4
Sevastopol city			6.4			42.6			0.0			44.7

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	37.9	34.3	33.6	5.5	13.7	22.2	3.0%	2.5%	1.8%	33.8%	21.7%	15.2%
Vinnitska	28.9	28.2	31.7	3.7	8.5	22.6	0	1	1	0	0	0
Volynska	39.2	43.1	40.9	10.6	19.7	27.3	2	2	1	0	0	0
Dnipropetrovska		38.4	38.7	8.7	18.9	27.6	7	6	5	1	2	0
Donetska	37.3	37.1	33.1	4.8	13.0	21.2	9	5	3	1	0	0
Zhytomirska	36.0	34.8	37.6	4.3	17.0	25.5	1	1	0	0	0	0
Zakarpatska	27.1	44.1	33.9	17.9	25.0	25.0	0	2	1	0	0	1
Ivano-Frankivska	46.3	33.3	26.5	3.1	8.2	13.3	1	0	0	0	0	0
Kyivska	45.5	32.2	35.7	4.6	16.3	26.5	1	2	3	0	0	0
Kirovogradska			30.5	3.8	12.2	19.1		2	2		0	0
Louganska	46.3	37.4	31.0	4.0	12.1	19.8	1	1	3	0	0	0
Lvivska	40.4	29.5	33.8	3.0	8.6	19.7	1	1	0	0	1	0
Mykolajivska	39.8	34.8	28.2	2.0	9.4	15.4	7	2	0	5	0	0
Odeska	27.0	28.4	32.9	7.5	13.1	18.8	2	6	5	0	0	1
Poltavska			32.6	4.8	12.8	23.5		0	0		0	0
Rivnenska		43.4	45.8	6.9	23.6	33.3	0	0	1	0	0	0
Soumska	32.8	33.7	34.7	3.2	12.1	21.8	1	0	0	0	0	0
Kharkivska	41.4	30.7	32.5	7.1	14.3	21.4	18	14	7	11	6	3
Khersonska	32.3	44.1	38.2	6.9	15.7	27.5	0	1	0	0	0	0
Khmelnitska	52.5	53.4	46.7	7.4	18.9	33.6	7	3	4	1	0	0
Cherkasska	41.2	31.8	31.6	4.4	12.0	21.5	4	4	1	0	2	0
Chernivetska	22.8	22.9	31.8	3.4	14.8	20.5	0	0	1	0	0	0
Chernigivska	46.9	35.9	38.1	9.7	20.9	27.6	3	5	4	3	2	2
Kyiv city	30.4	22.7	23.1	3.3	7.0	13.9	0	2	1	0	0	0
АР Крим										3		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	72.1	72.1	70.1	4.8	5.2	5.1	11.1	10.7	10.3	63.3	61.6	61.6
Vinnitska	84.6	73.6	87.6	5.1	4.9	10.0	10.1	16.7	9.8	78.8	65.2	70.6
Volynska	67.6	77.1	71.2	9.2	0.0	4.5	10.8	8.6	5.5	70.8	69.7	70.1
Dnipropetrovska	75.5	78.3	78.1	1.9	2.6	0.9	12.2	13.8	9.9	67.4	68.0	66.1
Donetska	57.8	62.9	58.5	6.9	10.6	10.0	11.5	7.9	10.2	58.5	59.7	54.3
Zhytomirska	64.8	66.4	74.1	3.0	6.4	9.2	11.3	13.4	6.1	71.1	68.1	60.6
Zakarpatska	65.6	60.7	63.5	11.9	3.6	13.3	13.1	17.9	4.8	62.7	55.4	63.3
Ivano-Frankivska	72.3	81.6	77.6	2.7	1.0	2.1	7.1	10.2	10.2	56.8	54.1	65.6
Kyivska	81.2	73.2	74.9	2.3	1.5	2.2	10.5	11.7	18.7	62.1	51.5	48.6
Kirovogradska		73.3	59.8		3.8	1.9		6.7	6.1		64.1	60.6
Louganska	67.6	72.3	57.3	3.4	2.0	3.0	17.4	16.9	17.5	62.6	64.5	49.3
Lvivska	80.3	87.1	84.1	6.0	4.5	3.1	4.3	8.6	8.2	72.0	74.7	76.8
Mykolajivska	84.7	89.3	71.0	7.6	13.4	4.1	15.3	12.7	9.2	54.3	60.4	52.0
Odeska	91.1	92.4	94.2	10.3	6.6	6.0	0.0	11.7	9.5	67.4	82.2	83.3
Poltavska		65.7	67.9		4.3	4.0		14.1	11.0		43.3	56.2
Rivnenska	56.6	60.3	58.0	6.6	4.2	3.7	28.9	27.4	21.0	51.3	62.5	55.6
Soumska	64.9	65.6	64.4	0.6	0.0	1.6	7.7	8.4	9.6	72.4	69.4	70.9
Kharkivska	72.9	61.2	62.3	6.2	4.9	5.3	10.9	5.7	5.8	62.8	51.9	60.2
Khersonska	80.7	76.6	79.4	0.0	2.9	10.4	10.1	10.8	13.5	62.7	59.8	64.3
Khmelnitska	51.3	68.0	73.1	0.8	3.3	1.7	6.7	11.2	3.4	51.7	57.4	65.3
Cherkasska	77.5	62.4	66.9	3.4	1.3	2.7	18.8	9.7	9.6	45.9	42.4	57.3
Chernivetska	69.4	63.3	58.5	7.1	11.4	5.0	15.3	11.1	10.4	75.7	72.7	71.0
Chernigivska	71.9	76.2	78.5	0.6	2.2	3.0	11.3	9.8	15.0	55.8	59.7	60.0
Kyiv city	71.9	72.6	73.9	5.6	9.2	12.2	3.6	2.7	5.1	62.2	62.6	62.7
АР Krym			57.4			0.0			13.2			53.2
Sevastopol city			57.4			0.0			21.3			43.2