

Table 1 General rates, 1999	♂	♀	⚭
Incidence (crude rate)	8.0	10.1	6.2
Incidence (world standard)	5.6	7.9	4.0
Incidence (Ukrainian standard)	8.1	11.9	5.7
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	2.53% ~~	-2.46% ~~	7.55% ~~
Estimated incidence rate for 2000 (Ukrainian standard)	8.0	12.0	5.5
Mortality (crude rate)	4.3	6.0	2.7
Mortality (world standard)	2.8	4.6	1.6
Mortality (Ukrainian standard)	4.3	7.4	2.4
Estimated mortality rate for 2000 (Ukrainian standard)	4.5	7.5	2.6
Relative 5-year survival rate, %	37.7	34.9	41.7
Median of relative survival (months)	20.9	17.0	29.3
Deaths during the first year of disease (diagnoses of 1999), %	37.0%	39.8%	33.1%
Patients underwent treatment during the first year of disease, %	55.6%	55.1%	56.2%
Microscopically verified diagnoses, %	60.1%	58.9%	61.8%
Probability of developing cancer at the age under 39	0.0% 1 in 3387	0.0% 1 in 3060	0.0% 1 in 3751
Probability of developing cancer at the age 40 – 59	0.3% 1 in 393	0.4% 1 in 283	0.2% 1 in 576
Probability of developing cancer at the age 60+	0.6% 1 in 173	1.0% 1 in 103	0.4% 1 in 254
Lifetime probability of developing cancer	0.9% 1 in 116	1.4% 1 in 74	0.6% 1 in 169

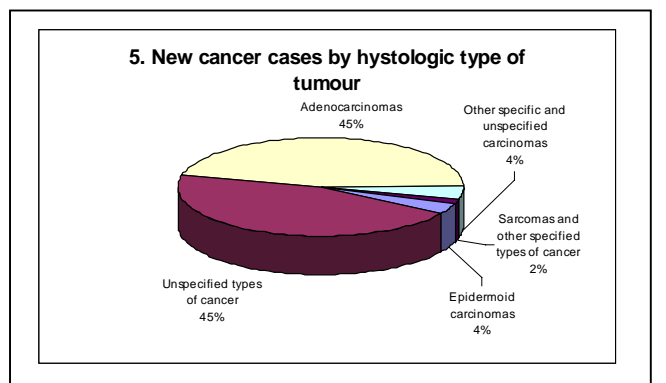


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	8.0	10.1	6.2	8.1	11.9	5.7	0.66	0.93	0.47	3967	2373	1594
Vinnitska	6.0	7.9	4.5	5.6	8.5	4.0	0.47	0.75	0.31	134	80	54
Volynska	6.7	7.8	5.7	7.2	9.7	5.6	0.64	0.88	0.49	82	48	34
Dnipropetrovska	8.7	11.0	6.7	8.9	13.2	6.3	0.70	0.97	0.51	296	174	122
Donetska	8.9	11.3	6.8	8.6	12.8	6.0	0.68	0.97	0.48	479	273	206
Zhytomirska	7.1	8.1	6.2	6.8	9.5	5.6	0.54	0.67	0.46	108	68	40
Zakarpatska	4.1	4.9	3.5	5.0	6.9	3.7	0.41	0.55	0.32	51	33	18
Ivano-Frankivska	5.7	6.5	4.9	6.3	8.6	4.9	0.54	0.72	0.43	94	57	37
Kyivska	7.7	10.1	5.7	7.7	11.7	5.3	0.62	0.89	0.43	145	91	54
Kirovogradska	6.7	9.1	4.7	6.5	10.0	4.0	0.55	0.81	0.35	99	53	46
Louganska	6.4	7.5	5.5	6.3	8.2	4.9	0.50	0.65	0.38	212	140	72
Lvivska	7.1	8.0	6.3	7.5	9.8	6.0	0.64	0.83	0.51	198	124	74
Mykolajivska	7.9	11.0	5.2	8.4	14.0	4.8	0.69	1.03	0.43	92	49	43
Odeska	8.5	10.3	6.9	9.0	13.1	6.6	0.71	0.95	0.54	208	132	76
Poltavska	10.2	12.7	8.1	9.6	13.9	7.1	0.80	1.10	0.61	172	107	65
Rivnenska	7.8	12.1	4.0	8.9	16.2	4.1	0.72	1.31	0.31	76	46	30
Soumska	7.9	9.7	6.4	7.7	10.8	5.7	0.62	0.85	0.46	118	79	39
Kharkivska	8.0	10.5	5.8	8.0	11.9	5.2	0.62	0.92	0.39	213	135	78
Khersonska	11.0	13.0	9.3	12.0	16.7	9.2	0.96	1.20	0.78	108	58	50
Khmelnitska	7.3	9.6	5.3	7.1	10.9	4.8	0.60	0.86	0.43	138	86	52
Cherkasska	8.9	13.0	5.5	8.6	14.1	4.8	0.71	1.11	0.41	119	74	45
Chernivetska	7.4	9.8	5.2	7.9	12.3	4.8	0.62	1.04	0.33	66	49	17
Chernigivska	8.3	9.7	7.1	7.6	9.8	6.1	0.61	0.81	0.48	110	71	39
Kyiv city	11.5	14.7	8.7	13.5	19.3	9.5	1.04	1.40	0.75	281	173	108

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	4.3	6.0	2.7	4.3	7.4	2.4	6502	4838	1665	2197	1426	771
Vinnitska	4.2	7.4	1.6	3.8	7.9	1.3	229.8	179.7	50.1	73	45	28
Volynska	3.5	5.0	2.1	3.8	6.6	1.8	205.9	99.6	106.3	54	37	17
Dnipropetrovska	4.5	5.8	3.3	4.6	7.0	3.1	512.0	333.3	178.8	172	102	70
Donetska	5.3	7.5	3.4	5.2	9.2	2.8	559.3	507.3	52.1	290	177	113
Zhytomirska	4.0	6.4	2.0	3.8	7.8	1.7	146.9	94.7	52.3	51	31	20
Zakarpatska	2.7	3.2	2.1	3.4	4.9	2.4	123.7	71.2	52.5	35	26	9
Ivano-Frankivska	2.8	3.6	2.1	3.2	5.1	2.1	55.4	55.4	0.0	49	30	19
Kyivska	3.9	5.9	2.2	4.0	7.1	2.0	300.3	255.1	45.2	73	51	22
Kirovogradska	3.6	5.2	2.2	3.5	5.8	1.8	108.2	104.3	3.8	43	29	14
Louganska	3.7	5.0	2.7	3.7	6.2	2.3	268.9	187.4	81.5	148	95	53
Lvivska	3.8	4.7	3.0	4.2	6.3	2.7	452.3	243.3	209.0	83	51	32
Mykolajivska	4.1	5.9	2.4	4.4	8.0	2.3	167.5	153.8	13.7	47	25	22
Odeska	5.1	6.5	3.8	5.5	8.6	3.7	317.9	223.1	94.8	122	78	44
Poltavska	4.4	7.0	2.2	4.1	7.7	1.8	246.8	172.9	73.8	82	54	28
Rivnenska	3.5	5.3	1.9	4.0	7.4	1.9	168.1	72.1	96.0	42	30	12
Soumska	4.3	5.8	3.0	4.0	6.5	2.3	152.8	121.9	30.9	70	44	26
Kharkivska	4.5	6.1	3.2	4.5	7.2	2.8	465.6	289.8	175.8	125	75	50
Khersonska	5.6	7.4	4.0	6.3	10.0	3.9	244.7	233.9	10.8	70	31	39
Khmelnitska	3.5	4.9	2.3	3.2	5.3	1.8	247.4	235.5	11.9	64	45	19
Cherkasska	3.4	6.0	1.3	3.2	6.9	1.1	233.4	197.7	35.8	82	59	23
Chernivetska	3.4	5.2	1.8	3.7	6.7	1.6	85.2	84.8	0.4	36	24	12
Chernigivska	4.9	7.3	2.9	4.3	7.5	2.2	139.1	105.1	34.0	54	42	12
Kyiv city	5.1	7.4	3.1	6.2	10.9	3.4	330.0	264.6	65.4	136	91	45

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	95.2	4.1	0.7	95.4	4.6	97.6	2.3	0.1	98.3	1.7
Vinnitska	99.3	0.0	0.7	99.1	0.9	97.0	3.0	0.0	97.4	2.6
Volynska	92.1	6.3	1.6	94.4	5.6	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	91.2	7.8	1.0	94.5	5.5	99.4	0.6	0.0	100.0	0.0
Donetska	94.7	5.1	0.2	93.2	6.8	97.5	2.1	0.4	98.1	1.9
Zhytomirska	96.9	3.1	0.0	90.2	9.8	97.2	2.8	0.0	96.6	3.4
Zakarpatska	96.8	3.2	0.0	98.1	1.9	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	97.3	2.7	0.0	96.3	3.7	100.0	0.0	0.0	97.6	2.4
Kyivska	97.9	0.7	1.4	99.3	0.7	96.7	3.3	0.0	97.2	2.8
Kirovogradska				96.2	3.8				100.0	0.0
Louganska	96.9	3.1	0.0	95.3	4.7	98.7	1.3	0.0	99.0	1.0
Lvivska	94.8	2.9	2.3	96.4	3.6	93.8	6.2	0.0	100.0	0.0
Mykolajivska	90.2	8.7	1.1	96.1	3.9	98.2	1.8	0.0	98.1	1.9
Odessa	94.5	4.0	1.5	94.4	5.6	96.6	3.4	0.0	99.2	0.8
Poltavska				97.1	2.9				100.0	0.0
Rivnenska	97.8	2.2	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Soumska	97.2	1.9	0.9	96.3	3.7	98.2	1.8	0.0	98.3	1.7
Kharkivska	96.1	3.9	0.0	96.6	3.4	100.0	0.0	0.0	100.0	0.0
Khersonska	97.2	2.8	0.0	95.6	4.4	100.0	0.0	0.0	100.0	0.0
Khmelnitska	97.1	2.0	1.0	95.3	4.7	95.6	4.4	0.0	94.1	5.9
Cherkasska	89.0	11.0	0.0	90.0	10.0	100.0	0.0	0.0	90.0	10.0
Chernivetska	100.0	0.0	0.0	100.0	0.0	89.3	10.7	0.0	96.9	3.1
Chernigivska	100.0	0.0	0.0	95.4	4.6	100.0	0.0	0.0	100.0	0.0
Kyiv city	93.7	5.3	1.1	95.0	5.0	92.1	7.1	0.8	94.7	5.3

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	6.7	0.3	0.0	44.1	44.1	44.6	20.8	15.4	13.1	53.7	41.8	30.7
Vinnitska	2.2	0.0	0.0	41.3	40.4	44.4	2.9	9.2	3.8	55.1	46.8	42.9
Volynska	3.4	0.0	0.0	48.3	26.9	46.2	5.2	6.0	7.7	37.9	23.9	14.1
Dnipropetrovska	0.0	0.0	0.0	41.2	34.5	37.1	10.0	2.6	2.5	3.6	1.6	3.2
Donetska	0.0	0.0	0.0	46.5	43.1	44.0	24.2	18.9	11.6	56.1	32.2	19.0
Zhytomirska	0.0	0.0	0.0	58.9	53.3	47.4	36.8	3.3	3.1	12.6	3.3	5.2
Zakarpatska	0.0	0.0	0.0	29.5	55.8	52.0	57.4	67.3	14.0	52.5	73.1	74.0
Ivano-Frankivska	97.2	0.0	0.0	56.3	32.9	51.6	0.0	3.8	1.1	98.6	91.1	40.7
Kyivska	8.6	0.0	0.0	42.9	37.6	44.4	10.7	7.1	0.7	78.6	58.2	50.7
Kirovogradska		0.0	0.0		57.9	55.8		10.5	15.8		40.8	52.6
Louganska	0.0	0.0	0.0	50.8	43.3	51.5	9.5	11.0	17.2	24.3	10.4	14.2
Lvivska	0.0	0.0	0.0	40.6	52.4	52.6	10.9	12.4	5.2	66.7	67.6	2.1
Mykolajivska	0.0	0.0	0.0	28.9	34.3	43.8	16.9	5.1	6.7	66.3	70.7	27.0
Odessa	0.5	0.0	0.0	25.6	23.8	18.2	1.1	0.0	0.0	3.2	0.5	2.5
Poltavska		0.0	0.0		53.9	65.3		100.0	77.8		38.3	31.1
Rivnenska	0.0	0.0	0.0	28.7	34.4	15.8	10.3	6.5	6.6	65.5	43.0	47.4
Soumska	0.0	0.0	0.0	51.0	37.9	46.0	8.7	1.0	20.4	31.7	37.9	37.2
Kharkivska	16.6	0.0	0.0	49.8	62.0	45.1	6.3	8.7	5.8	96.4	97.8	97.1
Khersonska	0.0	0.0	0.0	54.8	51.5	54.4	9.6	13.1	1.0	21.2	18.5	9.7
Khmelnitska	0.0	0.0	0.0	40.4	55.9	51.5	68.7	4.9	5.3	75.8	68.6	27.3
Cherkasska	74.3	8.5	0.0	68.6	47.0	35.2	7.6	19.7	17.6	51.4	35.9	34.3
Chernivetska	0.0	0.0	0.0	53.2	52.2	51.5	70.2	33.3	3.0	76.6	21.7	13.6
Chernigivska	1.7	0.0	0.0	43.6	44.7	34.9	57.3	10.7	3.8	97.4	29.1	10.4
Kyiv city	0.0	0.0	0.0	38.3	45.8	46.3	53.0	14.8	15.3	90.6	77.8	44.0
AR Krym			0.0			47.8			52.8			85.5
Sevastopol city			0.0			34.1			0.0			17.1

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	41.6	38.9	37.0	5.8	16.4	27.1	4.6%	3.6%	4.0%	25.0%	22.1%	22.0%
Vinnitska	44.5	34.3	50.5	4.7	17.8	31.8	1	3	2	0	0	1
Volynska	45.2	48.4	35.3	1.5	14.7	22.1	5	1	3	1	0	0
Dnipropetrovska		42.7	38.5	7.4	16.7	28.8	10	10	12	0	1	1
Donetska	46.3	37.1	41.5	7.0	17.7	30.3	8	8	7	1	1	1
Zhytomirska	43.3	42.7	39.2	5.2	14.4	25.8	1	2	0	0	0	0
Zakarpatska	43.2	41.7	39.6	7.5	20.8	34.0	1	1	1	1	0	0
Ivano-Frankivska	38.3	35.2	30.1	2.4	9.6	19.3	0	0	0	0	0	0
Kyivska	47.7	47.6	38.3	3.8	20.3	30.8	2	1	1	0	0	0
Kirovogradska			33.3	3.8	17.9	26.9		1	0		0	0
Louganska	50.0	51.9	43.4	9.6	20.5	31.9	3	1	5	0	0	0
Lvivska	41.4	34.7	37.1	4.8	11.8	28.0	2	6	4	2	6	3
Mykolajivska	41.9	38.6	35.7	3.1	18.4	27.6	7	2	6	5	0	3
Odeska	28.1	29.3	38.8	6.2	20.1	31.6	2	4	5	0	0	0
Poltavska			30.6	2.9	10.0	20.0		0			0	0
Rivnenska		38.2	38.0	3.3	18.5	30.4	0	0	1	0	0	1
Soumska	36.0	27.1	36.1	5.2	13.4	20.6	2	1	1	1	0	0
Kharkivska	52.0	41.2	39.0	9.6	17.1	32.0	22	13	13	4	4	5
Khersonska	35.0	42.7	40.5	7.1	19.0	31.7	2	1	0	1	0	0
Khmelnitska	44.9	41.3	31.4	3.9	10.8	19.6	4	1	4	1	0	0
Cherkasska	41.8	41.2	35.7	7.8	16.3	21.7	3	7	4	0	1	0
Chernivetska	35.1	46.8	38.2	8.8	27.9	32.4	0	0	0	0	0	0
Chernigivska	45.3	43.0	39.0	7.6	22.9	29.5	4	2	3	4	2	2
Kyiv city	27.4	29.3	22.8	2.1	10.5	15.1	5	3	4	0	0	0
АР Крим									5			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	60.4	60.1	58.7	5.9	6.4	6.2	27.6	27.3	25.2	57.7	55.6	54.3
Vinnitska	59.0	60.0	68.4	6.7	2.8	4.0	23.0	41.8	26.3	56.7	50.5	54.8
Volynska	50.8	67.6	57.7	4.8	4.4	2.6	38.1	32.4	42.3	58.1	70.6	54.5
Dnipropetrovska	60.8	65.5	64.4	4.4	4.8	5.2	29.1	29.2	27.4	59.7	61.5	59.6
Donetska	50.2	55.8	54.2	9.8	8.9	11.1	29.1	27.1	27.9	59.0	57.6	55.3
Zhytomirska	36.7	45.1	54.6	2.1	4.1	6.5	31.6	44.1	36.1	63.5	52.6	56.5
Zakarpatska	73.0	58.5	52.0	8.3	11.3	10.2	30.2	34.0	30.0	73.3	62.3	51.0
Ivano-Frankivska	64.4	61.0	51.6	4.2	3.6	9.0	17.8	23.2	22.0	49.3	59.0	60.7
Kyivska	71.3	76.8	63.2	0.7	3.0	3.0	29.4	27.5	23.6	59.4	52.6	54.8
Kirovogradska		69.6	49.5		10.3	3.2		25.3	18.9		51.3	52.7
Louganska	50.3	57.6	50.5	5.9	5.4	3.6	39.5	35.5	34.3	53.5	54.2	41.6
Lvivska	69.0	65.1	66.1	5.4	3.2	7.4	21.3	16.1	22.4	59.9	58.1	63.8
Mykolajivska	71.7	66.0	55.9	5.7	22.4	7.8	33.7	30.1	29.0	54.5	40.8	52.2
Odeska	79.4	78.0	82.8	11.0	6.2	3.1	25.6	34.1	27.8	66.0	62.2	64.4
Poltavska		56.4	52.1		5.9	7.6		15.1	20.4		44.7	40.8
Rivnenska	64.0	63.4	52.6	7.9	12.0	5.3	33.7	41.9	32.9	56.2	58.7	51.3
Soumska	53.3	68.2	55.8	2.1	3.1	3.6	15.0	15.0	14.2	63.5	70.1	64.9
Kharkivska	61.6	43.9	57.9	9.6	4.8	4.2	34.9	34.2	29.0	47.8	43.4	53.7
Khersonska	44.9	50.7	39.8	4.9	5.6	7.5	28.0	33.1	30.1	55.3	59.5	52.7
Khmelnitska	49.0	50.5	65.9	1.0	2.9	4.7	19.6	15.9	11.4	51.0	45.1	50.8
Cherkasska	67.8	51.5	59.8	1.8	2.3	6.9	28.8	21.5	22.3	43.0	52.7	47.1
Chernivetska	59.6	53.6	59.1	10.6	11.8	7.6	25.5	23.2	34.8	72.3	61.8	60.6
Chernigivska	66.7	58.3	65.1	2.6	0.0	4.0	30.8	32.4	25.5	56.1	58.1	57.4
Kyiv city	67.3	61.2	60.4	3.6	9.8	12.3	16.2	15.1	11.6	60.5	56.1	55.4
АР Krym			47.2			0.0			20.1			43.2
Sevastopol city			65.9			0.0			39.0			54.1