

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	17.7	18.0	17.4
Incidence (world standard)	10.6	13.3	9.1
Incidence (Ukrainian standard)	17.9	23.1	15.2
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	2.29% ~~	3.59% ~~	0.66% ~~
Estimated incidence rate for 2000 (Ukrainian standard)	17.6	22.5	15.1
Mortality (crude rate)	11.8	11.9	11.7
Mortality (world standard)	6.8	8.7	5.7
Mortality (Ukrainian standard)	11.9	15.8	9.9
Estimated mortality rate for 2000 (Ukrainian standard)	12.0	16.0	9.9
Relative 5-year survival rate, %	26.5	26.6	26.6
Median of relative survival (months)	9.5	9.3	9.7
Deaths during the first year of disease (diagnoses of 1999), %	48.7%	49.2%	48.2%
Patients underwent treatment during the first year of disease, %	54.6%	55.5%	53.8%
Microscopically verified diagnoses, %	66.5%	67.1%	66.0%
Probability of developing cancer at the age under 39	0.0% 1 in 3307	0.0% 1 in 3037	0.0% 1 in 3629
Probability of developing cancer at the age 40 – 59	0.3% 1 in 305	0.4% 1 in 281	0.3% 1 in 327
Probability of developing cancer at the age 60+	2.0% 1 in 49	2.9% 1 in 35	1.7% 1 in 60
Lifetime probability of developing cancer	2.4% 1 in 42	3.3% 1 in 31	2.0% 1 in 50

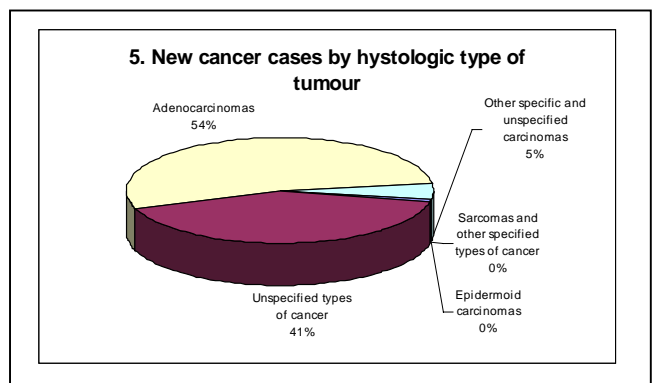


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣
Ukraine	17.7	18.0	17.4	17.9	23.1	15.2	1.31	1.63	1.11	8716	4090	4626
Vinnitska	14.5	16.2	13.1	13.3	18.4	10.4	1.01	1.36	0.79	281	137	144
Volynska	10.2	10.9	9.5	10.9	14.8	8.9	0.88	1.18	0.72	116	58	58
Dnipropetrovska	20.5	20.2	20.7	21.1	26.5	18.4	1.54	1.86	1.34	773	347	426
Donetska	21.3	21.0	21.6	21.0	26.4	18.2	1.47	1.74	1.29	1073	498	575
Zhytomirska	9.9	10.3	9.5	9.3	12.4	7.6	0.69	0.90	0.56	204	108	96
Zakarpatska	9.6	12.6	6.8	12.1	18.6	7.6	0.94	1.43	0.59	128	58	70
Ivano-Frankivska	12.0	13.5	10.6	13.2	18.3	10.2	0.94	1.33	0.70	165	82	83
Kyivska	16.5	17.5	15.6	16.4	22.9	13.0	1.15	1.49	0.93	352	174	178
Kirovogradska	22.3	24.1	20.8	21.2	30.7	17.2	1.63	2.16	1.34	253	115	138
Louganska	18.8	17.0	20.3	18.5	21.9	17.1	1.38	1.52	1.30	530	240	290
Lvivska	14.3	14.7	13.8	15.4	19.5	12.8	1.16	1.47	0.95	428	200	228
Mykolajivska	18.7	22.3	15.6	20.4	31.7	14.5	1.45	2.08	1.05	254	110	144
Odessa	19.6	19.6	19.6	21.2	26.8	18.5	1.57	2.01	1.33	557	261	296
Poltavska	22.3	22.3	22.2	19.9	25.8	16.9	1.48	1.86	1.24	373	165	208
Rivnenska	11.2	13.3	9.3	12.8	18.9	9.0	0.88	1.25	0.62	161	87	74
Soumska	16.7	17.3	16.3	15.2	20.3	12.7	1.12	1.50	0.91	252	119	133
Kharkivska	19.4	18.7	20.1	19.3	23.5	17.2	1.44	1.66	1.31	541	243	298
Khersonska	19.6	20.1	19.2	22.2	32.3	18.4	1.69	2.12	1.48	251	127	124
Khmelnitska	17.4	16.5	18.2	16.5	19.0	14.7	1.25	1.49	1.08	244	119	125
Cherkasska	19.6	19.1	20.0	18.2	21.8	16.6	1.36	1.70	1.19	308	165	143
Chernivetska	9.9	10.9	9.0	10.7	14.4	8.4	0.75	1.02	0.58	114	60	54
Chernigivska	15.1	14.5	15.5	12.4	15.6	11.0	0.89	0.98	0.83	170	79	91
Kyiv city	23.0	23.1	23.0	28.9	37.0	24.7	1.96	2.41	1.68	586	260	326

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	11.8	11.9	11.7	11.9	15.8	9.9	8230.5	5455.3	2775.2	5923	2817	3106
Vinnitska	9.5	10.8	8.4	8.4	12.3	6.1	279.6	241.6	38.0	174	86	88
Volynska	6.7	7.0	6.4	7.2	10.0	5.9	122.2	91.3	30.9	57	28	29
Dnipropetrovska	14.7	15.1	14.3	15.2	19.6	12.6	685.6	402.3	283.3	519	237	282
Donetska	14.6	14.2	14.9	14.5	18.3	12.4	845.0	574.1	270.9	714	333	381
Zhytomirska	7.7	7.0	8.3	7.3	8.8	6.8	116.1	49.3	66.8	118	54	64
Zakarpatska	7.7	8.6	6.8	10.2	14.0	7.9	209.8	172.8	36.9	76	42	34
Ivano-Frankivska	7.6	8.3	6.9	8.5	11.6	6.6	266.6	176.9	89.7	107	54	53
Kyivska	11.8	10.5	12.8	11.5	14.3	10.3	261.0	143.8	117.2	218	106	112
Kirovogradska	11.8	12.8	10.9	11.2	16.4	8.7	247.0	151.8	95.3	141	72	69
Louganska	12.9	12.1	13.6	12.9	16.5	11.4	398.9	293.2	105.8	370	171	199
Lvivska	8.2	8.5	8.0	9.0	11.6	7.4	360.8	287.7	73.1	204	103	101
Mykolajivska	11.8	13.0	10.7	12.9	19.1	10.0	301.9	199.3	102.7	163	81	82
Odessa	13.6	14.6	12.8	14.8	20.5	11.8	531.8	347.7	184.2	338	152	186
Poltavska	13.4	13.2	13.6	11.8	15.9	10.1	199.3	85.5	113.8	209	100	109
Rivnenska	7.7	8.7	6.8	8.7	12.4	6.6	225.2	144.4	80.8	94	50	44
Soumska	11.6	12.0	11.3	10.5	14.1	8.9	218.1	118.6	99.5	170	88	82
Kharkivska	14.5	13.0	15.7	14.3	17.2	13.1	556.4	303.6	252.8	339	156	183
Khersonska	13.7	14.5	13.0	15.6	24.0	12.5	285.9	151.8	134.1	161	85	76
Khmelnitska	12.5	12.7	12.3	11.7	15.3	9.6	273.8	216.6	57.2	183	97	86
Cherkasska	9.0	9.2	8.8	8.1	10.9	6.8	243.9	187.3	56.6	197	98	99
Chernivetska	8.4	10.0	7.0	8.9	13.0	6.3	121.4	105.1	16.3	74	49	25
Chernigivska	9.8	11.1	8.8	7.8	12.0	5.8	137.7	107.6	30.1	117	61	56
Kyiv city	13.6	13.8	13.5	17.7	23.1	14.8	404.4	281.3	123.1	363	168	195

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	95.0	4.2	0.8	95.9	4.1	97.2	2.5	0.3	98.3	1.7
Vinnitska	98.3	1.3	0.4	99.2	0.8	98.7	1.3	0.0	98.8	1.2
Volynska	89.8	9.3	0.9	93.5	6.5	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	91.5	7.6	0.9	95.2	4.8	98.6	1.4	0.0	98.9	1.1
Donetska	94.4	4.6	1.0	94.6	5.4	97.3	2.3	0.4	98.8	1.2
Zhytomirska	90.1	6.8	3.1	90.8	9.2	95.1	4.9	0.0	99.1	0.9
Zakarpatska	95.1	3.3	1.6	98.4	1.6	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	99.4	0.6	0.0	97.7	2.3	98.9	1.1	0.0	99.1	0.9
Kyivska	96.0	3.7	0.3	99.7	0.3	93.1	6.0	0.9	97.7	2.3
Kirovogradska				99.6	0.4				100.0	0.0
Louganska	95.8	3.5	0.7	98.0	2.0	98.4	1.6	0.0	96.8	3.2
Lvivska	94.9	4.3	0.8	96.9	3.1	91.8	7.8	0.4	98.7	1.3
Mykolajivska	93.4	6.1	0.4	96.7	3.3	99.4	0.6	0.0	100.0	0.0
Odessa	95.9	3.4	0.7	95.1	4.9	93.0	6.6	0.3	98.5	1.5
Poltavska				97.1	2.9				99.6	0.4
Rivnenska	97.8	0.7	1.5	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Soumska	98.5	1.0	0.5	96.5	3.5	97.7	2.3	0.0	100.0	0.0
Kharkivska	98.1	1.4	0.5	94.8	5.2	100.0	0.0	0.0	100.0	0.0
Khersonska	92.9	6.7	0.4	92.1	7.9	100.0	0.0	0.0	100.0	0.0
Khmelnitska	98.6	0.9	0.5	99.2	0.8	97.3	2.0	0.7	92.3	7.7
Cherkasska	89.9	9.4	0.7	91.2	8.8	99.0	1.0	0.0	93.9	6.1
Chernivetska	100.0	0.0	0.0	100.0	0.0	95.8	0.0	4.2	97.5	2.5
Chernigivska	94.7	4.3	1.0	97.4	2.6	100.0	0.0	0.0	100.0	0.0
Kyiv city	95.2	4.0	0.8	92.8	7.2	93.5	5.7	0.8	94.4	5.6

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	35.2	23.9	18.7	39.0	41.4	36.5	22.7	19.7	14.4	54.3	43.6	35.2
Vinnitska	24.2	16.0	15.8	46.9	46.9	48.0	6.6	17.9	9.7	49.6	43.9	42.3
Volynska	12.4	1.0	4.6	18.6	20.8	10.1	10.3	8.9	6.4	43.3	18.8	8.3
Dnipropetrovska	31.8	12.4	7.5	37.1	31.2	24.3	18.9	7.0	2.7	4.7	2.5	2.3
Donetska	18.5	15.6	13.3	37.3	38.8	37.5	32.7	27.3	14.4	49.8	28.4	17.1
Zhytomirska	23.7	24.8	18.7	45.7	51.9	48.1	32.4	3.1	1.1	19.7	16.3	6.4
Zakarpatska	15.5	18.2	18.4	54.4	46.3	43.2	44.0	61.2	4.8	70.7	76.0	64.8
Ivano-Frankivska	97.5	61.8	25.5	59.9	43.0	61.5	0.6	2.4	0.0	99.4	98.2	31.1
Kyivska	63.8	43.2	43.3	32.4	33.0	24.8	13.0	5.6	0.6	76.8	57.1	48.4
Kirovogradska		19.9	15.9		69.3	50.8		11.5	15.5		57.1	52.0
Louganska	21.9	15.1	10.0	40.4	36.5	37.1	18.0	26.3	23.8	27.0	15.1	19.8
Lvivska	22.8	29.1	21.0	29.2	44.4	39.5	21.6	10.2	7.5	75.0	68.7	5.8
Mykolajivska	11.7	8.0	7.7	28.0	19.0	35.0	10.7	4.2	1.6	46.7	40.5	37.0
Odessa	10.5	8.1	2.8	18.7	19.1	10.5	0.4	0.0	0.0	2.2	1.5	2.6
Poltavska		64.1	52.3		61.1	56.7		100.0	87.6		50.4	49.0
Rivnenska	29.9	27.8	24.8	58.2	62.4	57.1	12.7	1.5	1.2	80.6	60.2	65.8
Soumska	15.7	15.1	7.0	43.6	45.4	47.1	14.2	1.8	18.9	60.4	51.4	54.5
Kharkivska	91.3	35.2	36.5	57.3	62.1	49.3	11.5	16.4	10.5	99.5	99.3	89.3
Khersonska	30.2	16.1	15.5	53.6	42.6	52.8	18.9	33.2	3.0	42.8	35.4	33.9
Khmelnitska	36.4	31.1	29.3	27.8	55.9	45.5	61.2	9.4	6.2	67.0	74.4	29.8
Cherkasska	84.4	41.5	18.4	62.4	49.6	43.3	4.0	33.8	21.6	63.6	50.0	47.9
Chernivetska	17.9	14.0	14.0	41.5	50.5	43.0	62.3	41.9	1.8	91.5	43.0	26.3
Chernigivska	29.9	6.3	6.6	36.5	31.4	26.5	53.8	15.7	9.6	92.9	23.6	18.7
Kyiv city	36.7	30.7	26.4	29.0	29.4	22.0	46.9	13.4	14.3	88.8	70.6	53.8
AR Krym			20.8			30.8			41.9			89.6
Sevastopol city			2.2			17.0			0.0			16.3

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	50.6	49.8	48.7	13.6	27.7	38.3	4.2%	6.6%	4.5%	37.0%	19.5%	22.3%
Vinnitska	48.3	51.8	47.1	4.6	20.5	34.0	6	2	2	0	0	2
Volynska	52.8	47.7	45.2	11.5	27.9	36.5	9	6	7	0	0	0
Dnipropetrovska		55.5	54.2	17.3	31.7	41.6	34	45	25	2	1	1
Donetska	53.0	49.4	53.2	12.0	28.1	39.9	29	32	15	2	1	0
Zhytomirska	52.9	50.0	51.8	12.2	33.8	44.6	6	3	2	0	0	2
Zakarpatska	57.4	55.4	50.8	12.3	29.5	41.0	4	4	5	1	1	2
Ivano-Frankivska	47.2	51.0	54.0	9.8	27.6	37.4	1	1	1	1	0	0
Kyivska	41.0	48.9	49.5	9.8	26.1	38.3	7	7	7	1	2	2
Kirovogradska			40.6	11.8	22.0	33.5		3	5		0	0
Louganska	63.7	56.5	53.0	17.5	33.1	42.8	1	9	4	0	0	0
Lvivska	46.6	47.4	39.7	5.7	16.0	29.9	3	9	2	1	8	1
Mykolajivska	55.0	59.6	48.3	15.3	28.8	38.1	15	12	6	12	3	0
Odeska	40.9	42.6	43.0	13.3	27.9	36.6	15	27	21	0	0	1
Poltavska			47.0	8.5	21.9	36.6			1			0
Rivnenska		50.0	58.9	16.3	34.9	50.4	2	1	2		0	2
Soumska	44.0	51.1	50.9	15.3	26.9	37.5	4	7	1	0	0	1
Kharkivska	61.2	56.9	53.6	24.2	35.4	45.3	0	102	57	40	41	25
Khersonska	54.9	55.4	51.8	12.9	29.9	41.1	5	6	5	0	1	1
Khmelnitska	46.5	42.5	49.0	15.5	24.7	37.1	22	20	16	3	0	0
Cherkasska	46.6	41.7	42.8	14.5	25.7	31.9	21	26	18	0	3	2
Chernivetska	37.2	48.1	53.4	13.6	37.5	48.9			3			0
Chernigivska	52.2	45.1	44.3	21.6	34.1	37.3	14	11	8	11	6	4
Kyiv city	45.3	40.5	37.2	9.5	21.9	30.4	2	11	6	0	0	0
АР Крим									13			5
м.Севастополь									6			2

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	68.2	66.5	68.3	4.1	4.4	4.7	26.1	24.8	23.6	55.1	54.6	56.0
Vinnitska	54.7	53.4	63.4	2.2	0.0	4.5	38.8	30.3	31.9	43.3	43.6	45.5
Volynska	80.6	82.4	92.7	0.9	4.8	4.8	38.0	31.5	21.1	58.9	62.5	67.6
Dnipropetrovska	68.5	69.9	77.9	2.6	3.3	2.4	27.4	27.4	24.8	55.8	51.2	61.4
Donetska	62.1	61.9	61.9	5.4	5.3	7.6	27.1	22.7	18.1	52.6	51.5	51.2
Zhytomirska	56.3	53.5	55.6	11.7	6.5	5.7	19.3	21.1	18.7	52.1	50.4	57.4
Zakarpatska	54.1	61.0	56.0	2.5	1.6	1.6	34.4	32.5	24.8	59.5	55.7	50.0
Ivano-Frankivska	71.5	60.3	50.3	1.3	0.6	1.3	24.1	36.8	39.1	41.4	49.1	51.6
Kyivska	75.0	75.7	80.6	2.3	2.7	3.0	25.3	23.0	18.8	61.9	58.6	59.2
Kirovogradska		53.1	60.7		3.1	2.9		29.8	22.2		51.6	55.2
Louganska	63.9	65.1	65.0	2.9	2.7	3.4	24.0	29.7	30.6	51.6	57.0	46.1
Lvivska	78.1	70.7	72.0	5.8	1.6	2.0	22.4	17.9	15.9	51.2	58.7	65.2
Mykolajivska	72.5	80.4	66.7	8.7	29.2	23.9	25.3	26.5	24.3	62.0	67.4	59.7
Odeska	82.0	85.3	90.2	5.2	5.0	3.8	19.6	21.6	25.4	65.6	70.1	67.6
Poltavska		46.0	52.3		5.5	5.2		21.3	27.0		43.2	41.8
Rivnenska	44.5	44.4	53.4	5.9	2.3	4.4	42.3	44.4	43.5	38.2	41.9	41.3
Soumska	68.0	64.6	59.2	2.1	2.8	1.7	31.0	27.0	19.6	63.8	60.2	60.9
Kharkivska	56.9	51.8	56.0	3.1	2.8	4.2	25.9	13.0	14.9	46.1	40.9	50.7
Khersonska	60.7	65.7	61.4	4.3	3.1	4.1	43.1	48.8	45.1	56.7	61.2	54.6
Khmelnitska	70.3	71.9	77.7	2.4	2.4	3.4	11.8	18.0	18.2	54.6	51.4	52.6
Cherkasska	68.3	73.4	75.2	2.6	3.3	3.2	26.0	21.7	27.2	43.6	51.4	55.8
Chernivetska	69.8	57.0	64.0	7.7	4.5	7.9	32.1	29.0	28.9	63.5	54.5	61.4
Chernigivska	71.2	73.0	75.9	0.5	2.2	6.2	25.5	28.1	31.3	66.3	63.2	67.1
Kyiv city	81.9	84.4	83.0	5.2	5.9	7.9	19.9	19.4	19.9	64.5	66.0	62.5
АР Krym			58.1			0.4			17.9			56.0
Sevastopol city			82.2			0.0			32.6			66.4