

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	35.5	32.7	37.9
Incidence (world standard)	20.6	24.2	18.8
Incidence (Ukrainian standard)	35.8	43.5	32.3
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	0.28% ~~	-0.91% ~~	1.25% ~~
Estimated incidence rate for 2000 (Ukrainian standard)	35.5	43.4	31.9
Mortality (crude rate)	1.5	1.7	1.4
Mortality (world standard)	0.8	1.3	0.5
Mortality (Ukrainian standard)	1.5	2.4	1.1
Estimated mortality rate for 2000 (Ukrainian standard)	1.7	2.6	1.3
Relative 5-year survival rate, %	-	-	-
Median of relative survival (months)	-	-	-
Deaths during the first year of disease (diagnoses of 1999), %	3.2%	4.0%	2.6%
Patients underwent treatment during the first year of disease, %	85.3%	86.2%	84.7%
Microscopically verified diagnoses, %	95.7%	96.1%	95.4%
Probability of developing cancer at the age under 39	0.1% 1 in 1730	0.1% 1 in 1749	0.1% 1 in 1708
Probability of developing cancer at the age 40 – 59	0.6% 1 in 174	0.6% 1 in 168	0.6% 1 in 179
Probability of developing cancer at the age 60+	4.8% 1 in 21	6.3% 1 in 16	4.2% 1 in 24
Lifetime probability of developing cancer	5.4% 1 in 19	6.9% 1 in 15	4.8% 1 in 21

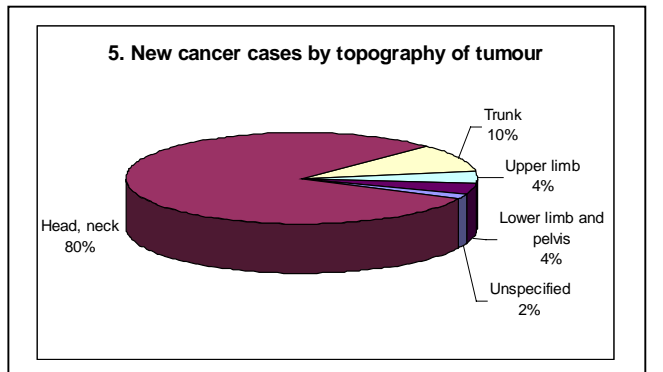


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣
Ukraine	35.5	32.7	37.9	35.8	43.5	32.3	2.40	2.79	2.18	17586	7588	9998
Vinnitska	41.3	37.7	44.2	36.4	45.0	33.1	2.49	2.89	2.30	744	329	415
Volynska	25.8	21.9	29.4	27.5	30.0	26.7	2.01	2.21	1.94	271	116	155
Dnipropetrovska	34.3	33.1	35.4	36.0	45.6	31.5	2.35	2.81	2.07	1392	618	774
Donetska	33.0	31.3	34.5	32.9	40.8	29.0	2.14	2.57	1.88	1630	679	951
Zhytomirska	33.4	32.2	34.5	31.6	39.6	27.7	2.20	2.51	1.99	462	197	265
Zakarpatska	21.1	20.9	21.3	27.2	32.6	23.9	1.93	2.43	1.61	276	133	143
Ivano-Frankivska	29.4	23.6	34.7	33.2	33.5	32.7	2.23	2.29	2.17	477	191	286
Kyivska	31.8	29.3	33.9	31.1	39.1	27.4	2.09	2.51	1.86	659	286	373
Kirovogradska	40.2	37.9	42.1	37.3	48.3	32.3	2.43	2.95	2.11	475	206	269
Louganska	36.7	35.5	37.7	36.9	46.5	32.2	2.49	3.01	2.17	856	345	511
Lvivska	31.2	27.3	34.8	34.2	38.1	32.4	2.35	2.47	2.28	900	384	516
Mykolajivska	41.7	36.0	46.7	45.4	51.8	43.3	3.18	3.41	3.09	574	268	306
Odessa	31.4	31.4	31.4	34.1	44.3	28.8	2.29	2.98	1.89	1035	462	573
Poltavska	51.5	46.6	55.7	45.2	55.6	40.7	2.94	3.31	2.72	848	373	475
Rivnenska	26.7	22.7	30.3	30.8	34.5	28.6	2.02	2.51	1.75	307	137	170
Soumska	54.6	52.7	56.3	48.9	62.5	42.8	3.35	4.02	2.96	732	282	450
Kharkivska	31.6	29.7	33.1	31.2	39.5	27.4	2.12	2.52	1.88	690	306	384
Khersonska	54.9	45.0	63.7	62.4	70.9	61.0	4.21	3.79	4.46	624	229	395
Khmelnitska	32.6	31.0	33.9	29.8	37.2	25.4	2.07	2.73	1.67	463	195	268
Cherkasska	38.2	33.8	41.9	34.0	41.6	31.7	2.23	2.42	2.15	548	233	315
Chernivetska	26.1	21.0	30.6	28.4	28.2	28.8	1.94	1.92	1.96	264	117	147
Chernigivska	29.9	27.5	31.9	24.0	29.6	21.5	1.60	1.88	1.45	343	144	199
Kyiv city	43.0	39.5	46.1	54.2	63.9	49.3	3.43	3.88	3.14	1203	523	680

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	1.5	1.7	1.4	1.5	2.4	1.1	868.74	716.93	151.24	850	417	433
Vinnitska	1.1	1.1	1.1	1.0	1.4	0.8	78.2	60.1	18.1	33	14	19
Volynska	0.8	1.0	0.5	0.7	1.1	0.6	4.5	1.5	3.0	6	3	3
Dnipropetrovska	1.5	1.6	1.3	1.5	2.4	1.1	42.3	42.3	0.0	54	24	30
Donetska	2.3	2.6	2.1	2.4	3.8	1.7	130.4	89.5	40.9	85	43	42
Zhytomirska	2.2	3.1	1.4	2.0	4.0	1.0	24.1	24.1	0.0	36	21	15
Zakarpatska	0.2	0.3	0.2	0.3	0.5	0.2	11.8	4.6	7.3	15	11	4
Ivano-Frankivska	1.7	2.3	1.0	1.9	3.5	1.0	39.1	39.1	0.0	18	9	9
Kyivska	1.7	2.0	1.5	1.6	2.8	1.0	65.9	65.9	0.0	26	9	17
Kirovogradska	1.0	1.1	0.9	0.9	1.5	0.6	7.5	7.5	0.0	18	14	4
Louganska	1.7	1.5	2.0	1.8	2.1	1.5	53.3	53.3	0.0	52	25	27
Lvivska	0.8	0.9	0.7	0.8	1.2	0.6	26.2	26.2	0.0	16	10	6
Mykolajivska	1.1	1.3	0.9	1.2	2.0	0.7	9.2	9.2	0.0	17	8	9
Odessa	0.6	0.8	0.4	0.6	1.3	0.3	0.0	0.0	0.0	25	14	11
Poltavska	1.8	1.7	1.9	1.4	2.2	1.1	0.0	0.0	0.0	14	9	5
Rivnenska	0.9	1.2	0.6	1.1	1.6	0.6	8.9	8.9	0.0	14	5	9
Soumska	1.5	1.1	1.8	1.3	1.2	1.2	50.5	47.3	3.3	19	12	7
Kharkivska	2.5	2.8	2.2	2.4	4.3	1.6	46.6	19.4	27.2	27	14	13
Khersonska	1.5	1.7	1.2	1.7	2.5	1.1	39.8	39.8	0.0	16	6	10
Khmelnitska	3.0	2.5	3.4	2.6	3.3	2.1	38.2	13.2	25.0	31	16	15
Cherkasska	1.0	0.9	1.0	0.9	1.0	0.7	17.8	17.8	0.0	23	8	15
Chernivetska	2.1	2.7	1.6	2.3	3.9	1.5	36.5	36.5	0.0	9	4	5
Chernigivska	1.2	1.5	1.0	0.9	1.8	0.5	28.2	18.3	9.8	16	8	8
Kyiv city	1.0	1.0	1.1	1.4	1.8	1.1	10.8	10.8	0.0	26	11	15

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	98.0	1.7	0.3	98.3	1.7	86.0	7.5	6.5	91.8	8.2
Vinnitska	99.3	0.4	0.3	99.7	0.3	90.0	0.0	10.0	90.0	10.0
Volynska	98.8	0.8	0.4	98.5	1.5	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	96.2	2.9	0.9	95.6	4.4	98.1	1.9	0.0	96.4	3.6
Donetska	96.3	3.1	0.7	96.4	3.6	83.0	12.5	4.5	96.6	3.4
Zhytomirska	95.7	3.6	0.7	97.7	2.3	80.6	19.4	0.0	93.8	6.3
Zakarpatska	100.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	100.0	0.0	0.0	99.8	0.2	94.4	0.0	5.6	100.0	0.0
Kyivska	99.8	0.2	0.0	99.7	0.3	62.1	24.1	13.8	93.8	6.3
Kirovogradska				100.0	0.0				100.0	0.0
Louganska	99.3	0.6	0.1	99.6	0.4	93.0	5.3	1.8	93.5	6.5
Lvivska	99.4	0.5	0.1	99.9	0.1	95.5	4.5	0.0	100.0	0.0
Mykolajivska	98.8	1.2	0.0	98.3	1.7	87.5	12.5	0.0	100.0	0.0
Odessa	98.4	1.6	0.0	96.7	3.3	89.9	8.7	1.4	57.1	42.9
Poltavska				99.7	0.3				100.0	0.0
Rivnenska	98.4	1.2	0.4	99.1	0.9	100.0	0.0	0.0	100.0	0.0
Soumska	99.7	0.1	0.1	99.5	0.5	92.3	7.7	0.0	100.0	0.0
Kharkivska	99.3	0.6	0.1	99.4	0.6	100.0	0.0	0.0	100.0	0.0
Khersonska	97.4	2.3	0.3	97.9	2.1	94.4	5.6	0.0	100.0	0.0
Khmelnitska	94.8	5.0	0.2	99.8	0.2	69.0	13.8	17.2	59.1	40.9
Cherkasska	92.6	6.9	0.5	91.9	8.1	91.7	8.3	0.0	100.0	0.0
Chernivetska	99.6	0.4	0.0	100.0	0.0	29.4	5.9	64.7	75.0	25.0
Chernigivska	99.8	0.2	0.0	97.9	2.1	100.0	0.0	0.0	100.0	0.0
Kyiv city	99.2	0.6	0.2	99.0	1.0	63.2	21.1	15.8	59.3	40.7

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	14.3	2.6	1.0	7.2	8.1	8.0	12.3	9.1	7.4	44.9	32.8	25.8
Vinnitska	2.6	2.3	0.3	14.2	11.5	17.7	1.0	0.8	0.0	38.2	30.3	34.1
Volynska	0.4	0.4	0.0	1.7	0.4	0.4	0.0	0.4	0.0	29.9	11.9	13.1
Dnipropetrovska	0.6	0.6	0.2	4.0	2.9	2.0	6.1	0.2	0.7	3.6	1.8	1.3
Donetska	1.4	0.8	0.4	5.1	4.3	3.3	28.1	17.7	8.4	38.4	24.2	15.8
Zhytomirska	0.5	1.3	0.4	4.7	5.1	4.2	22.0	0.0	0.2	15.2	9.8	6.9
Zakarpatska	1.2	1.1	2.9	22.0	27.8	26.1	23.6	30.4	3.6	45.6	69.6	42.4
Ivano-Frankivska	91.5	3.0	0.4	46.4	26.5	32.4	1.4	1.9	0.0	99.3	95.8	36.8
Kyivska	22.7	3.9	5.5	7.2	3.4	2.3	8.0	1.5	0.2	68.7	50.0	44.7
Kirovogradska		3.0	1.9		35.5	35.8		2.3	5.1		23.4	25.1
Louganska	0.9	0.2	0.1	3.1	3.5	3.1	3.1	4.0	3.2	19.4	12.1	13.1
Lvivska	1.8	1.3	1.2	1.9	9.2	5.8	2.1	0.7	0.4	27.9	19.1	3.9
Mykolajivska	1.2	1.1	0.5	1.0	3.2	5.5	2.4	0.2	0.4	16.4	16.0	13.3
Odessa	0.5	0.9	0.0	1.0	1.0	0.1	0.6	0.0	0.0	2.5	1.2	1.2
Poltavska		2.8	1.1		14.8	17.0		91.5	70.8		28.8	27.9
Rivnenska	2.5	0.6	0.7	11.3	14.0	16.1	2.9	0.0	0.0	70.0	38.3	44.4
Soumska	0.7	1.9	0.3	4.9	6.8	8.4	3.7	0.0	1.0	25.3	21.1	20.1
Kharkivska	73.1	2.7	2.2	9.1	5.8	3.4	0.6	0.7	1.2	99.6	99.9	97.8
Khersonska	1.3	0.9	0.8	3.3	5.9	4.7	4.9	2.9	0.7	22.5	9.3	8.5
Khmelnitska	4.8	3.6	1.1	0.2	14.7	12.8	60.0	1.3	0.0	78.2	72.3	18.4
Cherkasska	83.5	29.9	2.4	18.2	14.6	13.4	2.8	7.6	10.7	38.9	35.2	39.8
Chernivetska	1.2	1.6	0.8	24.3	5.7	14.0	48.6	4.9	0.0	88.0	16.3	9.1
Chernigivska	10.1	1.3	1.5	9.4	7.3	4.5	57.9	3.9	0.3	96.6	29.4	10.7
Kyiv city	3.4	2.5	1.1	0.9	2.0	0.4	19.0	6.4	2.8	94.6	69.9	24.8
AR Krym			1.7			10.1			31.7			87.2
Sevastopol city			0.0			0.0			0.0			14.6

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	4.0	4.0	3.2	0.3	0.9	1.7	1.5%	0.7%	1.2%	54.5%	60.0%	57.1%
Vinnitska	4.9	5.7	3.6	0.3	0.6	1.6	0	0	0	0	0	0
Volynska	4.9	10.0	3.2	0.4	1.2	1.2	1	0	0	1	0	0
Dnipropetrovska		3.1	3.4	0.2	0.8	1.5	0	0	2	0	0	0
Donetska	4.0	4.1	3.3	0.3	1.4	2.1	0	0	0	0	0	0
Zhytomirska	3.1	4.7	3.1	0.2	0.9	1.3	0	0	0	0	0	0
Zakarpatska	6.3	3.0	2.8	0.0	0.0	0.8	0	0	0	0	0	0
Ivano-Frankivska	7.3	4.7	4.0	0.8	1.8	2.5	0	0	0	0	0	0
Kyivska	4.9	6.0	5.4	0.7	1.3	3.6	0	1	0	0	0	0
Kirovogradska			3.3	0.0	1.0	1.4		0	0		0	0
Louganska	5.1	5.0	4.4	0.3	0.7	2.4	0	0	0	0	0	0
Lvivska	1.5	1.9	2.0	0.3	0.9	1.4	0	0	0	0	0	0
Mykolajivska	3.2	2.8	1.2	0.0	0.0	0.4	1	0	1	1	0	1
Odesska	4.7	4.8	3.5	0.0	0.8	1.4	1	0	0	0	0	0
Poltavska			3.1	0.4	0.6	1.3		0	0		0	0
Rivnenska		1.7	2.3	0.7	1.7	1.7	0	0	0	0	0	0
Soumska	3.1	3.7	4.5	0.2	0.9	2.1	0	0	0	0	0	0
Kharkivska	4.6	5.6	3.3	0.3	1.1	2.0	4	1	2	3	1	2
Khersonska	3.3	1.5	2.6	0.3	0.8	1.8	0	0	0	0	0	0
Khmelnitska	5.1	3.9	2.4	0.9	1.1	1.5	0	0	0	0	0	0
Cherkasska	3.8	3.4	3.2	0.2	1.2	2.4	3	1	1	0	0	0
Chernivetska	2.7	2.5	1.3	0.0	0.4	0.4	0	0	0	0	0	0
Chernigivska	6.2	6.1	4.8	0.8	2.2	2.5	1	2	0	1	2	0
Kyiv city	1.8	1.7	2.0	0.4	0.4	0.9	0	0	0	0	0	0
AR Krym									1			1
Sevastopol city									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	95.7	95.7	94.6	34.6	40.0	39.6	2.8	2.4	2.3	80.6	85.3	84.3
Vinnitska	86.2	88.4	98.5	53.7	57.4	62.4	1.7	1.3	0.8	83.1	82.2	81.4
Volynska	98.8	99.3	100.0	41.7	45.8	61.2	5.7	1.5	1.9	91.0	93.2	89.0
Dnipropetrovska	97.4	97.7	98.3	25.2	35.0	27.8	1.5	2.1	2.2	86.2	87.4	87.2
Donetska	95.5	95.6	96.6	40.6	41.0	43.7	3.1	2.7	2.4	86.4	84.6	82.7
Zhytomirska	92.1	94.8	95.4	37.1	41.1	46.3	3.6	2.1	2.7	81.4	82.7	76.5
Zakarpatska	81.5	79.6	77.5	65.5	68.9	64.8	3.5	2.6	1.8	76.7	68.1	70.3
Ivano-Frankivska	77.4	75.4	71.4	11.1	17.4	18.6	1.8	3.3	4.0	53.9	67.2	67.3
Kyivska	97.9	98.6	97.3	18.1	18.7	27.2	5.9	3.2	3.5	82.9	84.2	84.2
Kirovogradska		97.5	69.3		35.5	14.3		2.8	4.8		77.1	73.7
Louganska	97.2	97.0	97.4	15.5	18.5	27.2	2.4	3.2	2.6	90.9	87.3	85.0
Lvivska	99.6	99.2	99.6	65.6	62.5	62.0	1.1	1.9	1.6	91.8	94.5	94.8
Mykolajivska	98.8	96.9	93.9	5.1	58.3	72.2	2.8	3.3	2.1	88.0	90.1	85.7
Odesska	97.2	99.9	99.6	33.9	43.4	39.7	3.1	4.2	3.3	85.4	93.9	94.8
Poltavska		86.8	88.9		41.1	37.3		4.1	2.7		73.7	74.7
Rivnenska	90.6	96.5	95.7	71.2	65.8	69.6	5.3	2.5	5.3	76.3	78.7	84.8
Soumska	97.8	96.5	97.8	17.8	24.9	26.6	1.9	0.4	1.1	86.9	86.2	86.3
Kharkivska	97.1	99.7	98.2	24.0	23.3	22.8	3.1	3.0	3.4	55.4	99.1	95.8
Khersonska	99.1	98.2	98.2	28.1	33.9	39.3	2.0	2.1	2.8	89.6	91.4	89.2
Khmelnitska	100.0	100.0	94.2	55.7	61.2	60.8	3.8	2.1	2.6	86.0	92.5	82.4
Cherkasska	91.0	94.1	93.4	14.3	10.7	22.5	5.3	2.3	4.3	37.4	66.8	80.3
Chernivetska	99.6	98.0	92.8	65.4	75.4	61.5	4.0	0.4	0.0	70.5	80.5	91.7
Chernigivska	95.4	94.1	95.5	12.0	8.4	18.7	6.3	2.6	3.3	83.7	89.4	92.2
Kyiv city	99.1	100.0	99.1	62.7	63.2	57.9	0.1	0.4	0.2	85.4	83.6	82.9
AR Krym			88.6			6.0			1.4			79.8
Sevastopol city			100.0			64.5			0.6			80.4