



Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	4.2	1.6	6.5
Incidence (world standard)	3.3	1.4	5.0
Incidence (Ukrainian standard)	4.3	1.8	6.3
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	-2.27% ~~	-18.2% ↓↓	0.00% ~~
Estimated incidence rate for 2000 (Ukrainian standard)	4.4	2.0	6.4
Mortality (crude rate)	0.9	0.6	1.2
Mortality (world standard)	0.5	0.4	0.6
Mortality (Ukrainian standard)	0.9	0.7	1.0
Estimated mortality rate for 2000 (Ukrainian standard)	0.9	0.8	0.9
Relative 5-year survival rate, %	70.1	53.8	74.5
Median of relative survival (months)	-	-	-
Deaths during the first year of disease (diagnoses of 1999), %	12.9%	23.2%	10.6%
Patients underwent treatment during the first year of disease, %	83.9%	77.7%	85.3%
Microscopically verified diagnoses, %	94.7%	94.1%	94.8%
Probability of developing cancer at the age under 39	0.1% 1 in 1331	0.0% 1 in 3211	0.1% 1 in 841
Probability of developing cancer at the age 40 – 59	0.1% 1 in 719	0.0% 1 in 2340	0.2% 1 in 452
Probability of developing cancer at the age 60+	0.2% 1 in 557	0.1% 1 in 1074	0.2% 1 in 448
Lifetime probability of developing cancer	0.4% 1 in 254	0.2% 1 in 599	0.6% 1 in 178



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	4.2	1.6	6.5	4.3	1.8	6.3	0.33	0.14	0.49	2160	422	1738
Vinnitska	4.3	1.6	6.6	4.3	1.6	6.4	0.33	0.14	0.48	88	18	70
Volynska	1.6	0.6	2.5	1.7	0.7	2.5	0.12	0.06	0.18	19	7	12
Dnipropetrovska	4.4	1.7	6.7	4.4	1.8	6.4	0.34	0.14	0.50	185	22	163
Donetska	3.4	1.6	5.0	3.3	1.8	4.7	0.26	0.14	0.36	172	37	135
Zhytomirska	3.5	2.2	4.7	3.6	2.4	4.8	0.26	0.17	0.34	67	13	54
Zakarpatska	1.7	0.8	2.6	2.0	0.9	2.8	0.17	0.08	0.23	16	1	15
Ivano-Frankivska	2.1	0.6	3.5	2.2	0.7	3.6	0.18	0.06	0.29	23	7	16
Kyivska	9.6	3.9	14.5	9.7	4.1	14.9	0.71	0.31	1.08	179	22	157
Kirovogradska	2.7	1.9	3.5	2.7	2.2	3.4	0.20	0.17	0.25	27	4	23
Louganska	3.4	1.3	5.3	3.4	1.4	4.9	0.26	0.12	0.38	63	13	50
Lvivska	3.4	1.1	5.5	3.6	1.3	5.5	0.29	0.11	0.45	110	9	101
Mykolajivska	2.4	0.5	4.2	2.5	0.5	4.1	0.19	0.03	0.32	34	2	32
Odeska	2.7	1.5	3.8	2.8	1.8	3.8	0.21	0.13	0.29	109	24	85
Poltavska	4.0	0.9	6.6	4.0	0.9	6.4	0.30	0.07	0.50	61	14	47
Rivnenska	2.2	1.1	3.2	2.3	1.1	3.4	0.18	0.08	0.27	32	4	28
Soumska	2.3	0.3	4.0	2.2	0.3	3.5	0.14	0.02	0.24	44	8	36
Kharkivska	4.3	1.4	6.8	4.3	1.6	6.6	0.32	0.10	0.50	91	15	76
Khersonska	8.3	2.4	13.4	8.5	2.7	13.2	0.65	0.23	1.00	68	17	51
Khmelnitska	2.5	0.6	4.2	2.5	0.7	4.1	0.18	0.03	0.30	29	5	24
Cherkasska	3.3	1.1	5.1	3.2	1.0	4.7	0.23	0.08	0.35	30	7	23
Chernivetska	2.7	1.4	3.8	2.9	1.6	4.0	0.25	0.15	0.34	12	0	12
Chernigivska	5.6	2.6	8.1	5.6	2.5	8.2	0.44	0.20	0.64	72	20	52
Kyiv city	11.6	4.7	17.6	11.7	4.8	17.1	0.92	0.39	1.34	350	59	291

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	0.9	0.6	1.2	0.9	0.7	1.0	1093.1	636.9	456.0	451	159	292
Vinnitska	0.7	0.5	0.9	0.6	0.6	0.6	24.7	5.9	18.8	16	5	11
Volynska	0.8	0.4	1.1	0.8	0.4	0.9	29.3	29.3	0.0	7	4	3
Dnipropetrovska	0.9	0.9	0.9	0.9	1.0	0.8	139.8	122.2	17.6	39	11	28
Donetska	1.1	0.6	1.5	1.0	0.7	1.3	154.6	19.8	134.8	47	18	29
Zhytomirska	0.8	0.6	1.0	0.8	0.8	0.8	50.8	35.6	15.3	20	7	13
Zakarpatska	0.5	0.2	0.9	0.7	0.3	1.0	0.0	0.0	0.0	6	1	5
Ivano-Frankivska	0.6	0.4	0.7	0.5	0.4	0.6	39.7	39.7	0.0	13	6	7
Kyivska	1.1	0.7	1.4	1.0	1.0	1.1	21.7	0.0	21.7	18	5	13
Kirovogradska	0.7	0.4	0.9	0.6	0.5	0.8	23.2	0.0	23.2	8	2	6
Louganska	1.3	0.4	2.1	1.4	0.4	1.8	45.7	12.2	33.5	22	7	15
Lvivska	0.7	0.5	0.8	0.8	0.7	0.8	51.8	51.8	0.0	18	2	16
Mykolajivska	0.9	0.3	1.4	1.0	0.5	1.4	8.3	0.0	8.3	9	0	9
Odeska	0.7	0.6	0.8	0.8	0.7	0.8	57.4	40.3	17.2	26	12	14
Poltavska	0.7	0.4	0.9	0.6	0.4	0.8	33.7	19.6	14.1	15	6	9
Rivnenska	0.2	0.4	0.0	0.2	0.4	0.0	33.0	33.0	0.0	11	3	8
Soumska	0.9	0.2	1.5	0.8	0.2	1.1	0.0	0.0	0.0	19	7	12
Kharkivska	1.1	0.7	1.4	1.1	0.9	1.2	61.2	23.8	37.4	19	2	17
Khersonska	1.1	0.7	1.4	1.2	0.7	1.3	40.8	29.1	11.8	14	5	9
Khmelnitska	1.2	0.4	1.8	1.1	0.5	1.3	24.2	24.2	0.0	12	4	8
Cherkasska	0.8	0.9	0.6	0.7	1.0	0.6	30.2	14.1	16.1	10	5	5
Chernivetska	0.9	0.5	1.2	0.9	0.5	1.2	7.9	0.0	7.9	6	2	4
Chernigivska	1.6	2.0	1.3	1.4	2.1	0.9	72.3	64.0	8.3	21	8	13
Kyiv city	0.8	0.3	1.2	1.0	0.5	1.3	18.6	0.0	18.6	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	95.4	4.0	0.6	95.7	4.3	94.7	3.3	1.9	96.2	3.8
Vinnitska	100.0	0.0	0.0	97.5	2.5	95.7	0.0	4.3	92.3	7.7
Volynska	94.7	5.3	0.0	94.1	5.9	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	92.6	6.2	1.2	94.5	5.5	97.0	3.0	0.0	100.0	0.0
Donetska	94.4	5.6	0.0	92.9	7.1	100.0	0.0	0.0	94.4	5.6
Zhytomirska	93.5	6.5	0.0	94.1	5.9	100.0	0.0	0.0	100.0	0.0
Zakarpatska	100.0	0.0	0.0	86.4	13.6	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	96.6	0.0	3.4	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Kyivska	97.9	1.6	0.5	99.4	0.6	94.7	5.3	0.0	100.0	0.0
Kirovogradska				100.0	0.0				100.0	0.0
Louganska	100.0	0.0	0.0	97.8	2.2	96.4	3.6	0.0	97.1	2.9
Lvivska	98.1	1.9	0.0	97.8	2.2	88.2	11.8	0.0	100.0	0.0
Mykolajivska	90.3	9.7	0.0	90.6	9.4	93.8	0.0	6.3	100.0	0.0
Odessa	95.8	4.2	0.0	95.6	4.4	87.5	8.3	4.2	100.0	0.0
Poltavska				94.1	5.9				100.0	0.0
Rivnenska	100.0	0.0	0.0	96.2	3.8	100.0	0.0	0.0	100.0	0.0
Soumska	100.0	0.0	0.0	100.0	0.0	90.0	0.0	10.0	100.0	0.0
Kharkivska	94.9	5.1	0.0	94.6	5.4	100.0	0.0	0.0	100.0	0.0
Khersonska	89.7	9.2	1.1	97.1	2.9	100.0	0.0	0.0	100.0	0.0
Khmelnitska	97.4	2.6	0.0	100.0	0.0	85.7	0.0	14.3	82.4	17.6
Cherkasska	91.9	8.1	0.0	83.3	16.7	100.0	0.0	0.0	72.7	27.3
Chernivetska	100.0	0.0	0.0	100.0	0.0	66.7	16.7	16.7	100.0	0.0
Chernigivska	95.8	1.4	2.8	95.9	4.1	100.0	0.0	0.0	100.0	0.0
Kyiv city	93.7	5.2	1.0	95.3	4.7	82.6	17.4	0.0	80.0	20.0

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	5.8	0.3	0.0	12.0	10.6	9.1	11.9	8.4	7.5	55.5	41.5	31.5
Vinnitska	1.1	0.0	0.0	12.5	3.9	2.3	4.5	0.0	0.0	45.5	42.9	29.1
Volynska	0.0	0.0	0.0	0.0	6.2	0.0	5.6	0.0	5.6	27.8	18.8	5.6
Dnipropetrovska	0.0	0.0	0.0	10.7	3.2	2.9	2.7	1.9	0.6	2.0	1.3	1.1
Donetska	0.5	0.0	0.0	12.9	16.5	8.8	21.0	14.6	13.1	50.0	18.4	11.3
Zhytomirska	0.0	0.0	0.0	23.3	6.3	11.1	14.0	12.5	4.8	14.0	2.1	19.0
Zakarpatska	0.0	0.0	0.0	35.7	26.3	21.4	14.3	15.8	7.1	64.3	57.9	50.0
Ivano-Frankivska	96.4	3.2	0.0	28.6	16.1	30.4	3.6	0.0	8.7	100.0	93.5	34.8
Kyivska	9.1	0.0	0.0	13.4	8.0	3.9	17.6	11.4	11.2	60.4	55.7	53.4
Kirovogradska		0.0	0.0		28.1	18.5		25.0	7.4		59.4	51.9
Louganska	0.0	0.0	0.0	14.6	8.9	9.8	3.4	3.3	6.6	6.7	5.6	11.5
Lvivska	0.0	0.0	0.0	10.6	21.1	13.1	18.4	11.1	9.3	82.5	68.9	4.7
Mykolajivska	0.0	0.0	0.0	0.0	0.0	3.2	7.1	6.9	6.5	35.7	31.0	29.0
Odessa	0.0	0.0	0.0	2.9	9.2	5.7	1.5	0.0	1.0	2.9	0.0	1.0
Poltavska		0.0	0.0		31.3	43.9		46.9	31.6		26.6	36.8
Rivnenska	0.0	0.0	0.0	10.7	12.0	19.4	25.0	8.0	22.6	64.3	40.0	51.6
Soumska	3.3	0.0	0.0	20.0	19.4	34.1	13.3	3.2	18.2	53.3	45.2	25.0
Kharkivska	16.9	0.0	0.0	13.8	11.5	8.1	6.9	0.8	1.2	87.7	84.4	73.3
Khersonska	0.0	0.0	0.0	21.8	11.1	9.1	5.1	10.1	4.5	38.5	14.1	10.6
Khmelnitska	0.0	0.0	0.0	2.6	8.1	3.4	18.4	0.0	0.0	65.8	78.4	20.7
Cherkasska	82.4	12.5	0.0	29.4	32.5	23.1	5.9	15.0	15.4	58.8	57.5	61.5
Chernivetska	0.0	0.0	0.0	11.1	24.0	25.0	38.9	4.0	25.0	88.9	24.0	41.7
Chernigivska	1.4	0.0	0.0	17.3	7.1	5.8	15.9	11.4	7.2	79.7	40.0	31.9
Kyiv city	0.0	0.0	0.0	3.0	1.8	1.8	13.4	4.2	5.1	92.2	68.4	49.2
AR Krym			0.0			25.0			5.8			96.2
Sevastopol city			0.0			0.0			22.2			22.2

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	14.0	13.1	12.9	3.1	7.2	9.9	7.0%	4.3%	3.5%	0.0%	11.8%	0.0%
Vinnitska	16.7	15.5	7.9	1.3	1.3	1.3	1	1	1	0	0	0
Volynska	46.7	36.8	35.3	0.0	11.8	17.6	3	0	0	0	0	0
Dnipropetrovska		10.9	14.9	4.5	11.7	13.0	1	2	2	0	0	0
Donetska	18.2	17.9	16.1	3.1	8.7	11.8	4	2	1	0	0	0
Zhytomirska	6.4	26.7	18.0	4.0	10.0	14.0	2	0	0	0	0	0
Zakarpatska	4.3	21.4	19.0	4.8	4.8	14.3	0	0	0	0	0	0
Ivano-Frankivska	20.0	6.9	27.6	6.9	17.2	20.7	0	0	0	0	0	0
Kyivska	10.5	6.4	5.9	2.9	4.1	4.1	0	1	1	0	0	0
Kirovogradska			16.1		6.5	16.1		0	1		0	0
Louganska	27.8	26.2	29.4	7.1	15.3	23.5	2	1	0	0	0	0
Lvivska	14.0	12.6	10.2	0.0	4.5	6.8	1	0	0	0	0	0
Mykolajivska	19.4	20.0	12.9	3.2	9.7	9.7	0	0	1	0	0	0
Odessa	14.6	17.6	21.5	4.6	12.3	12.3	2	3	1	0	0	0
Poltavska			9.5	3.2	3.2	6.3		0	0		0	0
Rivnenska		3.8	7.7	3.8	7.7	7.7	0	0	1	0	0	0
Soumska	21.4	24.1	27.6	6.9	13.8	24.1	1	0	0	0	0	0
Kharkivska	10.2	17.6	14.2	4.2	8.3	13.3	3	4	0	0	2	0
Khersonska	12.7	9.6	7.8	1.0	2.9	6.9	2	1	2	0	0	0
Khmelnitska	30.8	12.8	20.0	8.6	11.4	17.1	1	1	0	0	0	0
Cherkasska	10.5	20.6	17.4	8.7	13.0	15.2	1	1	1	0	0	0
Chernivetska	5.3	5.9	21.7	4.3	17.4	21.7	0	0	0	0	0	0
Chernigivska	16.7	8.6	18.3	2.8	9.9	12.7	0	0	0	0	0	0
Kyiv city	6.6	5.1	2.7	0.7	1.0	2.1	1	0	1	0	0	0
АР Крим									1			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	92.9	94.7	94.7	19.1	18.1	24.3	35.3	31.4	27.9	82.6	83.9	86.5
Vinnitska	87.5	94.9	100.0	22.6	32.9	30.9	43.2	17.7	18.6	81.0	92.1	87.7
Volynska	94.7	94.1	100.0	5.3	29.4	11.8	78.9	52.9	44.4	68.4	82.4	82.4
Dnipropetrovska	97.5	98.8	97.7	7.7	6.5	12.0	40.7	34.1	25.1	83.3	83.1	91.6
Donetska	86.8	87.1	90.6	21.1	19.3	25.6	27.9	30.6	28.8	77.4	79.5	83.3
Zhytomirska	76.1	94.1	93.7	35.6	30.0	31.1	47.8	39.2	38.1	75.6	82.0	85.2
Zakarpatska	71.4	77.3	85.7	7.1	95.2	21.4	42.9	54.5	28.6	71.4	76.2	71.4
Ivano-Frankivska	86.2	90.3	82.6	6.9	20.7	0.0	17.2	41.9	69.6	55.2	58.6	72.7
Kyivska	99.5	99.4	97.8	11.8	1.2	19.3	33.5	32.2	27.0	85.6	88.8	90.6
Kirovogradska		90.6	88.9		22.6	0.0		50.0	44.4		80.6	85.2
Louganska	91.0	93.5	90.2	3.6	8.2	11.1	58.4	58.7	57.4	73.8	78.8	77.8
Lvivska	94.3	93.5	92.5	16.5	14.8	42.7	28.6	27.2	18.7	82.5	85.2	90.3
Mykolajivska	100.0	100.0	97.0	3.3	32.3	6.3	48.4	37.5	33.3	86.7	87.1	65.6
Odessa	97.2	97.1	97.1	5.9	35.4	18.6	38.0	35.3	28.6	89.7	84.6	85.3
Poltavska		85.3	84.2		22.2	12.5		29.4	40.4		76.2	71.4
Rivnenska	89.3	96.2	87.1	30.8	34.6	43.3	28.6	23.1	32.3	88.5	84.6	73.3
Soumska	86.7	96.8	95.5	10.3	13.8	9.5	40.0	45.2	31.8	75.9	75.9	83.3
Kharkivska	91.2	97.7	95.9	10.7	14.2	13.7	38.7	39.5	29.6	85.5	83.3	91.6
Khersonska	89.7	93.1	92.4	12.0	7.8	9.5	29.9	27.5	36.4	74.7	80.4	84.1
Khmelnitska	92.3	100.0	100.0	25.6	8.6	40.7	20.5	10.8	24.1	84.6	74.3	74.1
Cherkasska	91.9	81.3	92.9	5.9	21.7	14.8	48.6	52.1	42.9	55.9	60.9	70.4
Chernivetska	94.4	92.0	91.7	41.2	34.8	0.0	38.9	48.0	8.3	82.4	73.9	83.3
Chernigivska	88.9	94.5	94.2	5.7	1.4	11.9	48.6	41.1	26.1	82.9	85.9	89.6
Kyiv city	98.3	98.7	99.7	40.9	25.8	49.1	22.7	10.7	13.5	94.2	95.2	95.7
AR Krym			73.6			1.9			50.9			67.3
Sevastopol city			100.0			0.0			22.2			100.0