

Table 1 General rates, 1999	♂	♀	♂
Incidence (crude rate)	1.2	1.1	1.3
Incidence (world standard)	0.8	0.9	0.8
Incidence (Ukrainian standard)	1.2	1.3	1.1
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	0.00% ~~	8.33% ~~	-8.33% ~~
Estimated incidence rate for 2000 (Ukrainian standard)	1.20	1.27	1.16
Mortality (crude rate)	0.9	0.8	0.9
Mortality (world standard)	0.6	0.6	0.6
Mortality (Ukrainian standard)	0.9	1.0	0.8
Estimated mortality rate for 2000 (Ukrainian standard)	0.85	0.96	0.79
Relative 5-year survival rate, %	22.6	23.5	21.9
Median of relative survival (months)	15.2	13.3	17.1
Deaths during the first year of disease (diagnoses of 1999), %	45.1%	47.1%	43.6%
Patients underwent treatment during the first year of disease, %	70.2%	69.2%	70.9%
Microscopically verified diagnoses, %	91.5%	92.2%	91.0%
Probability of developing cancer at the age under 39	0.0% 1 in 38370	0.0% 1 in 36131	0.0% 1 in 41360
Probability of developing cancer at the age 40 – 59	0.0% 1 in 3046	0.0% 1 in 2759	0.0% 1 in 3308
Probability of developing cancer at the age 60+	0.1% 1 in 1058	0.1% 1 in 886	0.1% 1 in 1134
Lifetime probability of developing cancer	0.1% 1 in 769	0.2% 1 in 659	0.1% 1 in 828

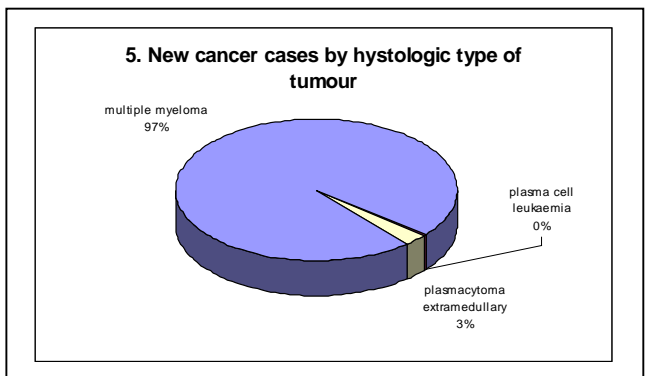


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	1.2	1.1	1.3	1.2	1.3	1.1	0.10	0.11	0.10	591	252	338
Vinnitska	1.4	1.8	1.1	1.3	2.0	0.9	0.12	0.15	0.09	26	12	14
Volynska	1.5	1.6	1.4	1.6	2.2	1.2	0.13	0.16	0.11	10	3	7
Dnipropetrovska	1.3	1.2	1.5	1.3	1.4	1.4	0.11	0.10	0.11	55	22	33
Donetska	1.0	1.0	1.1	1.0	1.0	0.9	0.08	0.09	0.08	49	20	29
Zhytomirska	1.0	1.0	1.0	1.0	1.2	0.9	0.09	0.09	0.09	18	6	12
Zakarpatska	0.4	0.5	0.3	0.4	0.7	0.3	0.04	0.04	0.03	4	3	1
Ivano-Frankivska	1.2	0.9	1.6	1.4	1.1	1.5	0.11	0.08	0.13	15	5	10
Kyivska	1.3	1.5	1.1	1.3	1.8	1.0	0.10	0.12	0.09	20	7	13
Kirovogradska	1.2	0.7	1.6	1.2	0.9	1.4	0.09	0.05	0.12	6	2	4
Louganska	0.9	1.2	0.7	0.9	1.3	0.6	0.08	0.12	0.06	22	11	11
Lvivska	1.6	1.2	2.0	1.7	1.5	1.8	0.13	0.13	0.14	49	21	28
Mykolajivska	1.4	1.0	1.7	1.5	1.3	1.7	0.14	0.13	0.15	8	3	5
Odessa	0.8	0.5	1.0	0.9	0.7	1.0	0.07	0.03	0.09	26	11	15
Poltavska	1.6	1.4	1.7	1.5	1.5	1.4	0.12	0.14	0.10	20	13	7
Rivnenska	0.5	0.2	0.8	0.6	0.2	0.8	0.06	0.02	0.08	14	3	11
Soumska	0.9	0.8	1.0	0.8	0.8	0.8	0.07	0.07	0.06	20	11	9
Kharkivska	1.1	1.3	1.0	1.1	1.5	0.9	0.10	0.14	0.08	60	26	34
Khersonska	0.8	0.7	0.9	0.9	0.8	0.8	0.09	0.08	0.09	19	11	8
Khmelnitska	1.3	1.0	1.5	1.3	1.2	1.4	0.11	0.09	0.12	34	16	18
Cherkasska	1.8	1.7	1.9	1.6	1.9	1.6	0.14	0.13	0.14	15	5	10
Chernivetska	1.4	1.6	1.2	1.5	2.1	1.2	0.15	0.21	0.12	9	3	6
Chernigivska	1.4	1.4	1.4	1.2	1.4	1.1	0.11	0.13	0.10	17	9	8
Kyiv city	1.5	1.5	1.5	1.8	1.9	1.7	0.15	0.16	0.13	48	19	29

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	0.8	0.9	0.9	1.0	0.8	963	561	402	418	187	231
Vinnitska	1.4	1.9	0.9	1.3	2.1	0.8	87.0	69.4	17.6	17	8	9
Volynska	0.7	0.8	0.5	0.7	1.1	0.4	19.4	19.4	0.0	9	3	6
Dnipropetrovska	1.0	1.2	0.9	1.1	1.5	0.8	67.1	35.8	31.3	47	20	27
Donetska	0.7	0.7	0.7	0.7	0.7	0.7	69.7	26.9	42.8	39	18	21
Zhytomirska	1.0	1.0	1.0	1.0	1.1	0.9	29.3	25.0	4.3	12	7	5
Zakarpatska	0.2	0.2	0.3	0.3	0.2	0.3	3.7	3.3	0.4	4	3	1
Ivano-Frankivska	0.6	0.6	0.7	0.7	0.8	0.7	30.2	5.8	24.3	15	4	11
Kyivska	1.0	0.8	1.2	1.0	0.9	1.1	16.4	7.8	8.7	6	3	3
Kirovogradska	1.1	0.9	1.3	1.1	1.0	1.2	41.5	12.1	29.4	7	2	5
Louganska	0.8	0.6	1.0	0.8	0.6	0.9	46.6	25.7	20.9	19	13	6
Lvivska	0.8	0.4	1.2	0.9	0.6	1.1	52.5	17.9	34.6	36	16	20
Mykolajivska	1.3	1.0	1.6	1.4	1.1	1.5	61.7	52.4	9.3	10	4	6
Odessa	0.8	0.5	1.0	0.9	0.7	1.0	19.0	2.0	17.0	17	7	10
Poltavska	0.8	0.8	0.9	0.8	0.8	0.8	22.3	19.6	2.8	12	7	5
Rivnenska	0.5	0.4	0.6	0.5	0.4	0.6	1.3	1.3	0.0	11	2	9
Soumska	1.1	1.0	1.2	1.0	1.2	1.0	0.0	0.0	0.0	14	8	6
Kharkivska	0.8	0.7	0.9	0.8	0.7	0.8	103.3	56.7	46.7	25	10	15
Khersonska	0.7	0.7	0.8	0.8	0.9	0.8	9.8	9.1	0.7	16	8	8
Khmelnitska	1.2	1.3	1.1	1.2	1.5	1.1	28.3	11.1	17.2	15	11	4
Cherkasska	0.7	0.5	0.9	0.7	0.5	0.8	36.5	11.7	24.8	16	9	7
Chernivetska	0.9	0.9	0.8	0.9	1.1	0.9	20.9	15.2	5.8	6	3	3
Chernigivska	1.0	1.4	0.7	0.9	1.3	0.6	30.9	29.0	1.9	20	10	10
Kyiv city	0.8	0.9	0.7	1.0	1.1	0.8	55.8	39.9	15.9	29	9	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	95.7	3.9	0.4	95.1	4.9	95.5	3.3	1.2	97.9	2.1
Vinnitska	100.0	0.0	0.0	100.0	0.0	94.4	0.0	5.6	100.0	0.0
Volynska	100.0	0.0	0.0	93.8	6.3	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	88.9	11.1	0.0	86.0	14.0	93.8	6.3	0.0	94.9	5.1
Donetska	94.9	3.4	1.7	94.1	5.9	97.5	0.0	2.5	97.2	2.8
Zhytomirska	100.0	0.0	0.0	93.3	6.7	91.7	8.3	0.0	100.0	0.0
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	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Kyivska	91.7	8.3	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Kirovogradska				100.0	0.0				100.0	0.0
Louganska	95.7	4.3	0.0	96.0	4.0	100.0	0.0	0.0	95.2	4.8
Lvivska	93.8	6.3	0.0	97.7	2.3	82.6	17.4	0.0	100.0	0.0
Mykolajivska	100.0	0.0	0.0	94.4	5.6	100.0	0.0	0.0	100.0	0.0
Odessa	93.8	6.3	0.0	95.0	5.0	92.3	7.7	0.0	100.0	0.0
Poltavska				88.9	11.1				100.0	0.0
Rivnenska	100.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Soumska	95.0	5.0	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Kharkivska	100.0	0.0	0.0	94.1	5.9	100.0	0.0	0.0	100.0	0.0
Khersonska	84.6	7.7	7.7	90.0	10.0	100.0	0.0	0.0	100.0	0.0
Khmelnitska	100.0	0.0	0.0	94.7	5.3	100.0	0.0	0.0	100.0	0.0
Cherkasska	89.5	10.5	0.0	96.2	3.8	100.0	0.0	0.0	80.0	20.0
Chernivetska	100.0	0.0	0.0	100.0	0.0	57.1	14.3	28.6	100.0	0.0
Chernigivska	95.7	4.3	0.0	94.4	5.6	100.0	0.0	0.0	100.0	0.0
Kyiv city	100.0	0.0	0.0	97.4	2.6	93.5	6.5	0.0	90.5	9.5

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	16.3	2.6	0.2	11.1	1.0	0.0	non-applicable				65.1	49.9	42.9
Vinnitska	16.0	0.0	0.0	32.0	0.0	0.0					96.0	92.3	88.5
Volynska	90.0	0.0	0.0	80.0	0.0	0.0					30.0	0.0	10.0
Dnipropetrovska	0.0	0.0	0.0	0.0	0.0	0.0					2.1	2.3	4.1
Donetska	14.3	0.0	0.0	3.6	0.0	0.0					80.4	41.7	34.8
Zhytomirska	0.0	0.0	0.0	0.0	0.0	0.0					5.3	0.0	0.0
Zakarpatska	40.0	0.0	0.0	40.0	0.0	0.0					60.0	80.0	75.0
Ivano-Frankivska	85.7	5.6	0.0	78.6	5.6	0.0					100.0	94.4	20.0
Kyivska	45.5	16.7	0.0	4.5	0.0	0.0					72.7	45.8	45.0
Kirovogradska		0.0	0.0		0.0	0.0						85.7	66.7
Louganska	0.0	0.0	0.0	0.0	0.0	0.0					9.1	12.5	4.8
Lvivska	0.0	0.0	0.0	0.0	0.0	0.0					93.3	83.3	6.3
Mykolajivska	18.2	5.9	0.0	0.0	0.0	0.0					9.1	35.3	37.5
Odessa	6.7	0.0	0.0	6.7	0.0	0.0					0.0	0.0	8.0
Poltavska		0.0	0.0		0.0	0.0						37.5	55.6
Rivnenska	53.8	16.7	0.0	0.0	0.0	0.0					92.3	83.3	85.7
Soumska	10.5	0.0	0.0	10.5	0.0	0.0					89.5	58.3	60.0
Kharkivska	9.8	3.1	0.0	7.3	0.0	0.0					95.1	87.5	80.7
Khersonska	0.0	0.0	0.0	0.0	0.0	0.0					63.6	33.3	58.8
Khmelnitska	12.5	0.0	0.0	6.2	0.0	0.0					87.5	94.4	42.4
Cherkasska	76.5	16.0	0.0	76.4	16.0	0.0					64.7	24.0	42.9
Chernivetska	0.0	0.0	0.0	0.0	0.0	0.0					87.5	69.2	22.2
Chernigivska	0.0	0.0	0.0	0.0	0.0	0.0					81.8	17.6	0.0
Kyiv city	0.0	2.6	2.1	0.0	0.0	0.0					95.3	81.6	72.3
AR Krym			0.0			0.0							88.0
Sevastopol city			0.0			0.0							88.9

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	48.3	47.4	45.1	8.4	20.2	32.2	1.8%	3.1%	4.2%	33.3%	8.3%	5.9%
Vinnitska	46.2	58.3	48.0	0.0	8.0	28.0	0	0	0	0	0	0
Volynska	33.3	55.6	40.0	0.0	13.3	26.7	0	0	1	0	0	0
Dnipropetrovska		47.2	48.9	10.6	19.1	40.4	1	3	6	0	0	0
Donetska	48.4	55.9	51.0	2.0	20.4	32.7	1	1	1	0	0	0
Zhytomirska	60.0	47.4	46.7	6.7	26.7	26.7	0	0	0	0	0	0
Zakarpatska	80.0	0.0	80.0	40.0	60.0	80.0	0	1	0	0	0	0
Ivano-Frankivska	45.0	50.0	44.4	11.1	27.8	33.3	0	0	0	0	0	0
Kyivska	50.0	40.9	50.0	20.8	33.3	41.7	1	1	0	0	0	0
Kirovogradska			35.7	0.0	21.4	28.6		0	0		0	0
Louganska	60.9	56.5	50.0	12.5	25.0	37.5	0	0	0	0	0	0
Lvivska	52.6	45.2	41.0	2.6	5.1	28.2	1	0	0	1	0	0
Mykolajivska	41.2	63.6	38.9	5.6	16.7	27.8	0	1	2	0	0	1
Odeska	41.4	37.5	50.0	5.6	16.7	27.8	0	0	3	0	0	0
Poltavska			48.0	8.0	24.0	36.0		0	0		0	0
Rivnenska		23.1	66.7	16.7	50.0	66.7	0	1	0	0	1	0
Soumska	77.8	42.1	58.3	16.7	41.7	50.0	0	0	0	0	0	0
Kharkivska	29.2	35.9	44.1	8.8	17.6	26.5	2	2	2	1	0	0
Khersonska	15.8	30.8	50.0	20.0	30.0	30.0	0	0	0	0	0	0
Khmelnitska	38.1	46.7	36.8	10.5	15.8	15.8	0	1	1	0	0	0
Cherkasska	50.0	63.2	38.5	3.8	15.4	23.1	0	0	1	0	0	0
Chernivetska	62.5	50.0	50.0	16.7	25.0	50.0	0	1	0	0	0	0
Chernigivska	100.0	43.5	44.4	11.1	27.8	38.9	0	0	0	0	0	0
Kyiv city	56.7	52.4	27.0	10.8	13.5	18.9	0	0	0	0	0	0
AR Krym									0			0
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	91.4	91.5	90.0	5.9	4.3	4.6	non-applicable				70.0	70.2	72.1
Vinnitska	100.0	100.0	100.0	4.2	0.0	0.0		91.7	80.0	88.5			
Volynska	90.0	100.0	90.0	0.0	0.0	0.0		77.8	93.3	90.0			
Dnipropetrovska	90.7	98.0	100.0	15.1	12.8	8.2		64.2	72.3	65.3			
Donetska	89.8	84.3	100.0	6.8	10.2	22.2		71.2	63.3	55.6			
Zhytomirska	100.0	60.0	0.0	0.0	6.7	0.0		63.2	86.7	82.4			
Zakarpatska	40.0	60.0	75.0	20.0	0.0	0.0		40.0	40.0	75.0			
Ivano-Frankivska	85.7	100.0	73.3	7.1	5.6	0.0		57.1	72.2	64.3			
Kyivska	75.0	83.3	95.0	0.0	0.0	0.0		63.6	70.8	84.2			
Kirovogradska		92.9	100.0		7.1	0.0			50.0	60.0			
Louganska	95.7	100.0	100.0	0.0	0.0	4.8		65.2	58.3	52.4			
Lvivska	96.9	88.4	95.8	3.2	2.6	2.1		61.3	92.3	85.4			
Mykolajivska	100.0	83.3	77.8	0.0	5.6	0.0		72.7	38.9	77.8			
Odeska	87.5	85.0	84.0	18.8	0.0	0.0		68.8	77.8	58.3			
Poltavska		81.5	94.4		4.0	11.1			24.0	16.7			
Rivnenska	100.0	100.0	100.0	0.0	0.0	0.0		38.5	50.0	78.6			
Soumska	100.0	100.0	100.0	0.0	0.0	11.1		78.9	75.0	72.2			
Kharkivska	65.9	94.1	86.0	10.3	5.9	1.8		76.9	64.7	78.9			
Khersonska	100.0	100.0	100.0	0.0	0.0	11.8		69.2	100.0	70.6			
Khmelnitska	100.0	100.0	100.0	0.0	0.0	3.0		80.0	89.5	84.8			
Cherkasska	100.0	88.5	100.0	5.3	0.0	0.0	15.8	65.4	57.1				
Chernivetska	100.0	100.0	100.0	50.0	8.3	11.1	75.0	58.3	77.8				
Chernigivska	100.0	94.4	100.0	0.0	0.0	6.3	100.0	77.8	81.3				
Kyiv city	97.7	97.4	92.0	0.0	5.4	0.0	88.1	83.8	83.3				
AR Krym			50.0			0.0			65.4				
Sevastopol city			100.0			0.0			77.8				