

<b>Table 1</b> <b>General rates, 1999</b>	♂	♀	♂
Incidence (crude rate)	4.6	5.5	3.8
Incidence (world standard)	3.9	4.8	3.3
Incidence (Ukrainian standard)	4.6	5.8	3.8
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	-2.13% ~~	-1.69% ~~	0.00% ~~
<b>Estimated incidence rate for 2000 (Ukrainian standard)</b>	4.7	5.8	3.8
Mortality (crude rate)	3.5	4.3	2.8
Mortality (world standard)	2.9	3.7	2.3
Mortality (Ukrainian standard)	3.5	4.5	2.7
<b>Estimated mortality rate for 2000 (Ukrainian standard)</b>	3.6	4.7	2.8
Relative 5-year survival rate, %	12.3	10.4	14.5
Median of relative survival (months)	3.9	3.6	4.3
Deaths during the first year of disease (diagnoses of 1999), %	62.8%	65.0%	60.0%
Patients underwent treatment during the first year of disease, %	43.0%	42.3%	44.0%
Microscopically verified diagnoses, %	51.4%	50.8%	52.1%
Probability of developing cancer at the age under 39	0.1% 1 in 1080	0.1% 1 in 926	0.1% 1 in 1296
Probability of developing cancer at the age 40 – 59	0.2% 1 in 620	0.2% 1 in 536	0.1% 1 in 712
Probability of developing cancer at the age 60+	0.1% 1 in 722	0.2% 1 in 491	0.1% 1 in 995
Lifetime probability of developing cancer	0.4% 1 in 255	0.5% 1 in 201	0.3% 1 in 315

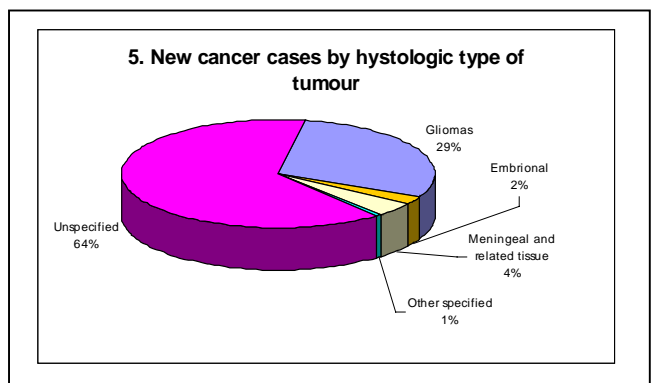


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	4.6	5.5	3.8	4.6	5.8	3.8	0.37	0.46	0.30	2318	1292	1026
Vinnitska	2.7	3.0	2.5	2.8	3.1	2.6	0.22	0.27	0.19	63	35	28
Volynska	1.5	1.6	1.4	1.5	1.9	1.3	0.13	0.17	0.11	41	23	18
Dnipropetrovska	4.6	5.4	3.9	4.6	5.5	3.9	0.38	0.46	0.32	155	71	84
Donetska	5.4	6.8	4.2	5.3	6.9	4.1	0.42	0.55	0.32	218	108	110
Zhytomirska	4.8	6.0	3.8	4.9	6.3	3.8	0.40	0.52	0.31	76	41	35
Zakarpatska	3.8	4.9	2.9	4.3	6.1	3.1	0.36	0.50	0.26	36	22	14
Ivano-Frankivska	5.2	5.5	4.9	5.4	6.1	5.1	0.44	0.53	0.38	80	42	38
Kyivska	5.4	6.4	4.4	5.4	6.5	4.3	0.43	0.53	0.34	96	51	45
Kirovogradska	3.8	4.6	3.2	4.0	4.9	3.3	0.31	0.38	0.26	41	15	26
Louganska	4.1	5.4	3.0	4.1	5.5	3.0	0.33	0.43	0.25	96	53	43
Lvivska	5.2	6.4	4.2	5.5	7.1	4.4	0.45	0.60	0.34	161	88	73
Mykolajivska	3.2	3.6	2.9	3.2	3.7	2.8	0.25	0.30	0.22	37	21	16
Odessa	4.5	4.9	4.1	4.6	5.3	4.0	0.36	0.41	0.32	134	75	59
Poltavska	4.7	5.1	4.4	4.7	5.1	4.4	0.39	0.42	0.36	72	33	39
Rivnenska	5.4	6.9	4.0	5.9	7.6	4.4	0.48	0.64	0.35	43	23	20
Soumska	3.4	4.5	2.5	3.5	4.6	2.5	0.26	0.38	0.18	39	19	20
Kharkivska	4.4	4.5	4.4	4.4	4.6	4.2	0.34	0.38	0.31	113	64	49
Khersonska	3.4	4.2	2.7	3.4	4.3	2.8	0.26	0.33	0.22	60	27	33
Khmelnitska	6.0	6.8	5.3	6.2	7.2	5.1	0.48	0.52	0.41	102	55	47
Cherkasska	4.0	5.1	3.1	4.0	5.3	3.0	0.33	0.43	0.24	60	34	26
Chernivetska	4.9	5.9	4.0	5.2	6.4	4.1	0.43	0.53	0.35	42	25	17
Chernigivska	5.2	7.2	3.6	5.3	7.2	3.9	0.40	0.53	0.30	64	32	32
Kyiv city	5.7	7.0	4.5	6.1	8.4	4.7	0.45	0.53	0.38	136	72	64

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 cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	3.5	4.3	2.8	3.5	4.5	2.7	19666	12902	6764	1792	1020	772
Vinnitska	2.1	2.8	1.6	2.2	2.8	1.6	588.6	447.0	141.6	47	24	23
Volynska	0.7	1.0	0.4	0.7	1.0	0.3	127.0	127.0	0.0	24	12	12
Dnipropetrovska	3.5	4.2	2.8	3.5	4.4	2.8	1511.8	878.8	632.9	152	79	73
Donetska	4.7	6.1	3.6	4.6	6.2	3.4	2813.7	1880.3	933.4	186	90	96
Zhytomirska	3.9	4.9	3.0	4.0	5.3	3.0	699.7	464.6	235.1	71	35	36
Zakarpatska	3.3	4.2	2.4	3.5	4.7	2.6	579.7	403.8	175.9	36	20	16
Ivano-Frankivska	3.2	3.5	2.9	3.4	4.1	2.9	474.0	314.3	159.8	59	32	27
Kyivska	3.9	5.0	2.8	3.8	5.2	2.6	733.0	594.8	138.3	57	35	22
Kirovogradska	2.3	3.2	1.6	2.4	3.4	1.7	439.6	288.8	150.8	35	15	20
Louganska	3.3	4.2	2.4	3.2	4.3	2.4	839.6	505.1	334.5	73	42	31
Lvivska	2.8	3.5	2.2	3.0	4.0	2.2	800.9	542.0	258.9	98	57	41
Mykolajivska	3.5	4.3	2.9	3.5	4.5	2.8	557.5	325.7	231.8	25	9	16
Odessa	3.2	3.8	2.8	3.3	4.1	2.7	904.3	546.2	358.2	91	51	40
Poltavska	3.4	4.2	2.7	3.3	4.1	2.7	383.7	267.3	116.4	47	30	17
Rivnenska	3.7	4.3	3.2	4.1	4.9	3.5	405.7	272.9	132.8	34	25	9
Soumska	3.0	3.6	2.6	3.1	3.6	2.7	620.3	286.6	333.7	38	17	21
Kharkivska	3.5	3.5	3.4	3.4	3.6	3.2	1150.4	699.4	451.0	88	48	40
Khersonska	3.3	4.2	2.6	3.4	4.5	2.6	422.8	279.4	143.3	43	20	23
Khmelnitska	4.6	5.8	3.5	4.7	6.0	3.4	835.0	675.8	159.3	63	35	28
Cherkasska	2.7	2.6	2.9	2.7	2.6	2.7	416.7	214.7	202.0	56	35	21
Chernivetska	4.1	4.6	3.6	4.3	4.9	3.8	439.2	303.3	135.8	35	20	15
Chernigivska	4.4	6.5	2.7	4.3	6.5	2.7	694.2	539.9	154.3	45	22	23
Kyiv city	4.1	5.5	2.8	4.4	6.8	2.9	986.8	573.6	413.2	93	54	39

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	92.7	6.0	1.3	95.4	4.6	96.3	3.1	0.6	98.8	1.2
Vinnitska	93.3	6.7	0.0	98.0	2.0	94.6	2.7	2.7	100.0	0.0
Volynska	80.0	20.0	0.0	50.0	50.0	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	89.7	9.7	0.5	93.1	6.9	98.7	1.3	0.0	96.9	3.1
Donetska	93.5	6.1	0.4	94.4	5.6	96.2	2.8	0.9	98.7	1.3
Zhytomirska	90.8	7.9	1.3	91.3	8.7	96.8	3.2	0.0	98.2	1.8
Zakarpatska	90.3	8.3	1.4	95.9	4.1	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	96.5	1.8	1.8	97.3	2.7	100.0	0.0	0.0	100.0	0.0
Kyivska	97.6	1.6	0.8	100.0	0.0	94.9	5.1	0.0	100.0	0.0
Kirovogradska				100.0	0.0				100.0	0.0
Louganska	90.3	5.8	3.9	98.2	1.8	100.0	0.0	0.0	95.4	4.6
Lvivska	85.4	11.4	3.3	95.1	4.9	82.4	17.6	0.0	100.0	0.0
Mykolajivska	95.7	4.3	0.0	97.6	2.4	100.0	0.0	0.0	100.0	0.0
Odessa	94.5	5.5	0.0	94.6	5.4	92.1	7.9	0.0	100.0	0.0
Poltavska				100.0	0.0				100.0	0.0
Rivnenska	94.1	2.0	3.9	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Soumska	97.7	2.3	0.0	95.7	4.3	100.0	0.0	0.0	97.6	2.4
Kharkivska	96.4	1.8	1.8	93.9	6.1	100.0	0.0	0.0	100.0	0.0
Khersonska	87.3	12.7	0.0	88.1	11.9	100.0	0.0	0.0	100.0	0.0
Khmelnitska	98.8	1.2	0.0	100.0	0.0	98.3	0.0	1.7	100.0	0.0
Cherkasska	89.0	8.5	2.4	84.7	15.3	98.4	0.0	1.6	97.5	2.5
Chernivetska	95.5	2.3	2.3	95.7	4.3	97.4	2.6	0.0	100.0	0.0
Chernigivska	92.7	5.5	1.8	95.6	4.4	100.0	0.0	0.0	100.0	0.0
Kyiv city	93.5	4.9	1.6	98.0	2.0	92.6	4.1	3.3	96.2	3.8

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	65.2	57.1	56.0	59.3	59.0	52.3	57.4	67.3	64.0	59.5	48.0	35.7
Vinnitska	73.8	79.6	66.1	66.7	67.3	38.7	23.8	46.9	19.4	59.5	55.1	69.4
Volynska	75.0	25.0	17.9	50.0	12.5	28.6	41.7	12.5	35.7	66.7	0.0	10.7
Dnipropetrovska	46.3	28.0	22.9	63.4	44.7	40.3	84.6	64.6	61.8	8.6	1.2	4.9
Donetska	47.7	44.7	51.5	56.5	59.6	59.7	56.5	67.5	68.4	60.2	35.7	28.6
Zhytomirska	47.8	55.6	54.3	75.4	54.0	57.1	60.9	20.6	32.9	8.7	7.9	4.3
Zakarpatska	38.5	42.6	54.3	58.4	66.0	60.0	63.1	95.7	91.4	64.6	66.0	65.7
Ivano-Frankivska	100.0	87.7	82.1	78.2	65.8	66.7	0.0	11.0	5.1	98.2	89.0	28.2
Kyivska	81.8	54.5	52.1	62.8	55.6	44.8	25.6	43.4	25.0	83.5	55.6	42.7
Kirovogradska		68.9	63.4		71.1	65.9		68.9	80.5		60.0	65.9
Louganska	61.3	44.4	41.5	41.9	34.3	24.5	96.8	97.2	77.7	34.4	16.7	11.7
Lvivska	68.6	79.3	72.7	40.0	57.8	53.9	79.0	89.6	89.6	59.0	53.3	5.8
Mykolajivska	56.8	56.1	47.2	45.5	39.0	36.1	79.5	78.0	66.7	79.5	73.2	58.3
Odessa	32.6	18.9	12.6	29.7	35.8	21.3	16.7	11.3	10.2	5.1	0.9	1.6
Poltavska		75.9	69.4		88.6	63.9		100.0	100.0		60.8	62.5
Rivnenska	75.0	62.5	67.4	81.2	71.8	74.4	18.8	90.6	81.4	83.3	53.1	60.5
Soumska	69.0	61.4	70.3	57.1	54.5	73.0	45.2	86.4	91.9	45.2	56.8	40.5
Kharkivska	92.6	72.4	73.8	71.3	61.0	45.8	20.4	53.7	46.7	97.2	94.3	86.9
Khersonska	68.8	62.2	45.3	58.3	70.3	50.9	56.3	91.9	50.9	56.3	48.6	28.3
Khmelnitska	57.3	54.5	64.7	50.0	77.3	72.5	96.3	46.6	64.7	72.0	75.0	29.4
Cherkasska	95.9	88.0	67.3	94.5	78.0	73.1	13.7	60.0	86.5	79.5	80.0	63.5
Chernivetska	81.0	79.5	67.5	78.6	86.4	80.0	100.0	100.0	100.0	88.1	61.4	40.0
Chernigivska	82.3	15.4	38.7	66.6	60.0	53.2	47.1	95.4	96.8	88.2	41.5	17.7
Kyiv city	86.1	85.4	86.5	61.8	60.4	41.4	99.4	94.4	99.2	96.0	69.4	42.1
AR Krym			63.3			78.6			95.9			95.9
Sevastopol city			53.3			40.0			0.0			26.7

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	60.6	62.1	62.8	21.1	38.5	51.0	<b>11.3%</b>	<b>11.1%</b>	<b>8.9%</b>	<b>18.7%</b>	<b>22.8%</b>	<b>18.8%</b>
Vinnitska	50.0	73.9	66.0	10.0	32.0	54.0	1	3	3	0	2	2
Volynska	87.0	73.3	56.3	6.3	18.8	37.5	2	1	1	0	0	0
Dnipropetrovska		66.0	68.2	28.2	42.4	54.1	17	18	13	0	0	1
Donetska	69.1	73.4	75.3	19.5	44.2	61.8	24	23	20	0	1	0
Zhytomirska	54.0	61.0	62.9	24.3	38.6	54.3	8	7	10	0	1	6
Zakarpatska	55.6	63.4	68.8	16.7	35.4	52.1	6	4	4	3	3	1
Ivano-Frankivska	57.3	57.9	57.3	16.0	36.0	45.3	0	0	2	0	0	0
Kyivska	69.6	51.6	56.6	14.1	36.4	46.5	7	6	2	0	2	0
Kirovogradska			46.7	17.8	33.3	40.0		3	3		0	0
Louganska	78.4	67.3	70.1	38.3	50.5	58.9	2	9	6	0	0	0
Lvivska	59.1	60.3	47.1	7.9	15.0	33.6	4	4	2	2	2	1
Mykolajivska	75.9	80.4	90.5	42.9	73.8	85.7	22	13	7	9	3	2
Odeska	38.8	51.0	53.2	15.3	28.8	39.6	7	8	9	0	0	0
Poltavska			60.8	15.2	31.6	49.4		0	0		0	0
Rivnenska		68.0	64.1	17.2	37.5	50.0	1	1		0	0	0
Soumska	57.6	57.1	68.9	15.6	42.2	53.3	2	5	4	1	1	0
Kharkivska	60.6	61.8	67.7	32.3	43.3	50.4	22	28	13	10	17	7
Khersonska	69.4	63.0	68.3	17.1	39.0	56.1	5	1	2	2	0	0
Khmelnitska	70.3	67.5	59.1	25.0	38.6	47.7	12	11	10	2	0	0
Cherkasska	51.8	61.3	56.9	25.9	39.7	50.0	18	10	9	0	0	0
Chernivetska	76.1	72.7	68.9	40.0	53.3	66.7	0	2	1	0	0	0
Chernigivska	72.8	62.5	53.8	27.7	50.8	52.3	4	11	6	3	7	5
Kyiv city	37.0	45.1	51.4	12.3	32.2	41.1	7	3	4	0	0	0
АР Крим									7			1
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	51.0	51.4	53.2	2.2	1.8	1.5	11.9	12.0	10.9	43.9	43.0	46.4
Vinnitska	42.2	38.0	67.7	0.0	0.0	1.6	31.1	34.0	25.8	43.5	34.0	59.0
Volynska	60.0	75.0	82.1	0.0	0.0	0.0	40.0	18.8	14.3	53.3	81.3	70.4
Dnipropetrovska	47.2	60.7	60.7	1.5	1.2	0.0	14.9	10.4	10.3	39.7	44.1	44.4
Donetska	44.2	42.2	41.7	3.5	1.9	4.4	7.8	9.3	7.8	38.9	32.2	26.8
Zhytomirska	27.6	43.5	40.0	2.6	11.4	1.5	2.6	8.7	15.7	42.9	50.0	34.3
Zakarpatska	45.8	44.9	42.9	0.0	4.2	0.0	4.2	4.1	0.0	50.7	41.7	42.9
Ivano-Frankivska	68.4	38.7	39.7	3.5	1.3	0.0	0.0	16.0	30.8	26.3	33.3	43.6
Kyivska	57.3	62.6	66.7	0.0	1.0	3.2	23.4	19.2	15.6	50.0	48.5	61.3
Kirovogradska		42.2	43.9		0.0	0.0		26.7	14.6		44.4	34.1
Louganska	70.9	70.0	75.5	0.0	3.7	1.1	0.0	0.0	1.1	52.5	51.4	56.5
Lvivska	61.8	69.0	59.1	3.3	0.7	2.0	8.9	4.9	1.3	57.0	63.6	66.7
Mykolajivska	52.2	61.9	64.9	0.0	0.0	2.8	8.7	9.5	2.7	17.4	26.2	41.7
Odeska	70.5	83.0	75.6	7.7	4.5	1.6	26.7	23.2	23.6	56.6	60.4	56.7
Poltavska		17.7	38.9		0.0	4.3		25.3	19.4		21.5	31.9
Rivnenska	19.6	23.4	27.9	0.0	0.0	0.0	15.7	15.6	11.6	26.0	34.4	32.6
Soumska	53.5	58.7	43.2	2.4	6.7	0.0	11.6	13.0	2.7	57.1	48.9	33.3
Kharkivska	47.3	46.6	55.5	2.7	0.0	1.9	26.8	12.2	20.9	28.2	37.8	50.0
Khersonska	56.4	42.9	54.7	3.7	2.4	1.9	5.5	16.7	20.8	48.1	43.9	59.6
Khmelnitska	33.7	45.5	47.1	0.0	1.1	0.0	28.9	30.7	8.8	39.8	35.2	51.5
Cherkasska	53.7	54.2	60.0	1.3	1.7	0.0	1.2	3.4	1.8	36.3	34.5	38.2
Chernivetska	22.7	23.9	17.5	4.5	2.2	5.0	2.3	0.0	0.0	38.6	20.0	20.0
Chernigivska	56.4	44.1	48.4	0.0	0.0	0.0	5.5	4.4	4.8	60.7	44.6	50.8
Kyiv city	53.5	57.8	62.6	1.6	0.0	0.0	0.5	0.7	0.0	48.4	56.8	55.2
АР Krym			27.6			0.0			4.1			32.7
Sevastopol city			60.0			0.0			33.3			46.7