

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	31.0	0.5	57.4
Incidence (world standard)	21.5	0.4	37.8
Incidence (Ukrainian standard)	31.4	0.7	53.9
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	1.62% ~~	-22.2% ~~	2.28% ~~
<b>Estimated incidence rate for 2000 (Ukrainian standard)</b>	31.1	0.8	53.2
Mortality (crude rate)	15.9	0.3	29.3
Mortality (world standard)	10.4	0.3	17.8
Mortality (Ukrainian standard)	16.0	0.5	26.7
<b>Estimated mortality rate for 2000 (Ukrainian standard)</b>	16.3	0.4	27.0
Relative 5-year survival rate, %	49.9	46.2	49.9
Median of relative survival (months)	59.9	49.5	59.9
Deaths during the first year of disease (diagnoses of 1999), %	15.0%	24.5%	14.9%
Patients underwent treatment during the first year of disease, %	77.7%	69.8%	77.7%
Microscopically verified diagnoses, %	88.2%	91.1%	88.1%
Probability of developing cancer at the age under 39	0.1% 1 in 758	0.0% 1 in 82655	0.3% 1 in 387
Probability of developing cancer at the age 40 – 59	1.1% 1 in 89	0.0% 1 in 7365	2.1% 1 in 41 in 9
Probability of developing cancer at the age 60+	2.1% 1 in 47	0.1% 1 in 1082	3.1% 1 in 32
Lifetime probability of developing cancer	3.3% 1 in 30	0.1% 1 in 933	5.3% 1 in 19

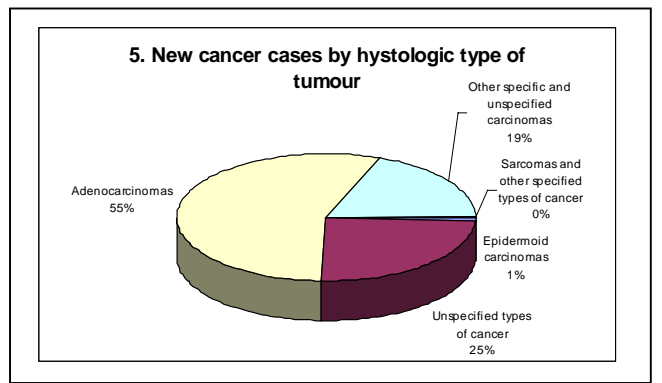


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣
Ukraine	31.0	0.5	57.4	31.4	0.7	53.9	2.38	0.05	4.10	15371	144	15227
Vinnitska	28.1	0.1	51.5	27.3	0.1	47.2	2.15	0.01	3.71	495	5	490
Volynska	24.7	1.4	45.6	27.2	2.0	46.7	2.12	0.15	3.62	235	1	234
Dnipropetrovska	34.9	0.6	64.6	35.4	0.6	60.7	2.70	0.06	4.64	1280	15	1265
Donetska	34.1	0.6	63.1	33.2	0.7	56.3	2.47	0.04	4.24	1708	12	1696
Zhytomirska	24.6	0.6	45.4	24.5	0.8	42.3	1.87	0.05	3.25	370	2	368
Zakarpatska	20.0	0.3	38.3	23.4	0.5	41.5	1.81	0.02	3.23	244	1	243
Ivano-Frankivska	21.7	0.1	41.2	24.2	0.2	41.9	1.89	0.02	3.28	378	2	376
Kyivska	31.5	0.2	58.4	31.6	0.3	54.3	2.45	0.03	4.21	542	1	541
Kirovogradska	33.3	0.7	60.9	32.7	0.9	55.3	2.38	0.08	4.07	405	6	399
Louganska	33.6	0.2	62.5	32.9	0.3	56.4	2.45	0.01	4.25	853	8	845
Lvivska	24.6	0.1	46.9	26.6	0.1	46.9	2.04	0.01	3.61	624	4	620
Mykolajivska	34.6	0.5	64.3	36.2	0.5	61.7	2.75	0.06	4.69	397	7	390
Odessa	36.7	0.4	68.5	38.3	0.5	64.8	2.87	0.03	4.89	1022	6	1016
Poltavska	33.6	0.8	61.2	32.1	0.9	55.1	2.40	0.07	4.16	583	9	574
Rivnenska	20.6	0.4	39.0	23.5	0.6	41.4	1.89	0.07	3.30	250	2	248
Soumska	29.6	0.8	53.8	28.5	0.9	49.0	2.17	0.08	3.74	445	4	441
Kharkivska	34.4	0.6	63.2	34.1	0.8	57.4	2.51	0.05	4.29	1076	15	1061
Khersonska	30.9	1.0	57.1	33.3	1.7	56.5	2.57	0.06	4.38	410	1	409
Khmelnitska	24.7	0.4	45.4	24.6	0.6	42.7	1.87	0.02	3.28	386	4	382
Cherkasska	32.3	0.8	58.6	31.0	1.0	53.2	2.32	0.05	4.02	496	3	493
Chernivetska	25.2	0.7	46.6	27.5	0.9	47.2	2.12	0.07	3.64	185	2	183
Chernigivska	25.8	0.5	46.5	23.5	0.5	40.4	1.79	0.04	3.09	336	4	332
Kyiv city	40.7	1.3	75.7	44.9	1.9	75.8	3.17	0.13	5.44	1014	10	1004

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	15.9	0.3	29.3	16.0	0.5	26.7	19276.2	197.5	19078.7	8033	73	7960
Vinnitska	14.9	0.5	27.0	14.2	0.6	23.9	676.1	17.0	659.1	238	4	234
Volynska	13.1	0.8	24.2	14.2	1.4	23.9	393.3	0.0	393.3	139	2	137
Dnipropetrovska	18.8	0.3	34.8	19.2	0.4	31.9	1965.8	6.9	1958.8	687	4	683
Donetska	20.0	0.5	36.7	19.5	0.7	31.7	1988.5	45.9	1942.6	980	5	975
Zhytomirska	12.0	0.4	22.0	11.7	0.5	19.8	475.7	0.3	475.4	206	2	204
Zakarpatska	9.2	0.0	17.8	11.2	0.0	19.6	356.9	0.0	356.9	138	6	132
Ivano-Frankivska	9.8	0.0	18.6	10.7	0.0	18.6	479.2	0.0	479.2	139	0	139
Kyivska	15.8	0.2	29.3	15.8	0.3	26.1	623.8	9.9	613.9	297	2	295
Kirovogradska	15.9	0.6	28.9	15.4	0.6	25.5	546.3	14.7	531.7	215	4	211
Louganska	19.5	0.2	36.3	19.6	0.2	32.0	1160.3	0.0	1160.3	507	1	506
Lvivska	12.5	0.4	23.5	13.7	0.6	23.2	853.8	22.9	830.9	322	4	318
Mykolajivska	19.0	0.3	35.2	20.1	0.4	33.1	605.3	0.0	605.3	246	1	245
Odessa	19.4	0.3	36.0	20.6	0.6	33.8	1070.3	0.0	1070.3	478	4	474
Poltavska	13.6	0.0	25.0	12.7	0.0	21.7	608.6	0.0	608.6	220	0	220
Rivnenska	8.7	0.0	16.6	10.0	0.0	17.7	435.6	0.0	435.6	121	4	117
Soumska	14.7	0.5	26.8	14.0	0.5	23.4	463.2	1.3	461.9	232	2	230
Kharkivska	18.4	0.1	33.9	18.1	0.2	29.8	1206.3	0.0	1206.3	500	7	493
Khersonska	17.4	0.3	32.5	19.2	0.5	31.6	517.0	0.5	516.5	190	0	190
Khmelnitska	12.3	0.4	22.5	12.2	0.6	20.6	441.8	27.2	414.7	200	2	198
Cherkasska	11.5	0.5	20.7	10.7	0.6	17.8	351.2	10.5	340.7	214	2	212
Chernivetska	13.5	0.7	24.8	15.0	0.9	25.0	354.0	12.1	341.9	106	1	105
Chernigivska	14.5	0.5	26.0	12.6	0.6	20.8	369.3	0.0	369.3	185	2	183
Kyiv city	16.8	0.4	31.3	19.6	0.8	32.3	1136.6	5.9	1130.7	446	4	442

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	94.5	4.4	1.1	95.8	4.2	96.8	2.7	0.5	98.3	1.7
Vinnitska	99.0	0.6	0.4	98.4	1.6	96.1	1.2	2.7	97.4	2.6
Volynska	96.7	2.4	0.8	97.3	2.7	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	93.0	6.1	1.0	96.8	3.2	99.0	1.0	0.0	98.9	1.1
Donetska	93.8	5.0	1.2	93.0	7.0	96.1	3.3	0.6	97.5	2.5
Zhytomirska	93.0	6.7	0.3	94.6	5.4	97.3	2.7	0.0	97.1	2.9
Zakarpatska	94.5	3.8	1.7	95.7	4.3	100.0	0.0	0.0	99.2	0.8
Ivano-Frankivska	97.0	2.3	0.8	97.1	2.9	99.1	0.0	0.9	100.0	0.0
Kyivska	97.2	1.9	0.9	99.3	0.7	93.5	3.9	2.5	97.9	2.1
Kirovogradska				99.5	0.5				100.0	0.0
Louganska	95.9	3.3	0.7	98.3	1.7	97.8	1.7	0.6	97.5	2.5
Lvivska	94.7	2.6	2.7	97.6	2.4	90.1	9.6	0.3	99.7	0.3
Mykolajivska	93.1	5.5	1.4	94.0	6.0	96.3	3.3	0.4	98.0	2.0
Odessa	95.3	4.1	0.6	95.7	4.3	93.5	6.3	0.2	99.4	0.6
Poltavska				98.4	1.6				100.0	0.0
Rivnenska	97.7	1.4	0.9	98.4	1.6	100.0	0.0	0.0	100.0	0.0
Soumska	98.2	1.0	0.8	95.7	4.3	98.6	1.4	0.0	100.0	0.0
Kharkivska	95.7	3.8	0.5	95.6	4.4	100.0	0.0	0.0	100.0	0.0
Khersonska	90.3	8.6	1.1	89.0	11.0	100.0	0.0	0.0	100.0	0.0
Khmelnitska	97.7	2.0	0.3	97.2	2.8	96.9	2.2	0.9	97.2	2.8
Cherkasska	84.2	14.9	0.9	85.4	14.6	100.0	0.0	0.0	93.5	6.5
Chernivetska	98.1	0.9	0.9	98.7	1.3	99.1	0.0	0.9	98.4	1.6
Chernigivska	95.1	3.2	1.7	96.4	3.6	100.0	0.0	0.0	100.0	0.0
Kyiv city	92.1	5.6	2.3	95.2	4.8	92.0	7.1	0.9	93.1	6.9

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	78.3	68.3	68.3	19.2	24.6	26.1	8.8	8.5	6.3	39.7	28.2	23.2
Vinnitska	100.0	100.0	99.8	28.6	29.4	39.8	1.6	0.4	0.4	22.2	20.0	17.0
Volynska	79.0	13.3	13.5	21.4	12.1	9.6	1.3	0.8	0.9	16.0	4.7	3.5
Dnipropetrovska	59.8	17.8	11.4	18.2	13.5	17.5	2.1	1.1	0.4	2.7	1.5	1.6
Donetska	57.0	44.3	44.2	16.5	16.0	17.5	19.0	13.3	7.1	37.2	20.1	10.5
Zhytomirska	99.1	95.8	96.9	18.2	18.6	13.7	13.6	0.0	0.9	11.6	7.5	3.1
Zakarpatska	83.8	97.6	92.3	42.4	35.1	36.8	27.5	24.5	3.4	47.3	71.8	44.0
Ivano-Frankivska	100.0	100.0	100.0	43.9	37.2	45.3	1.2	2.0	0.0	99.6	93.4	36.5
Kyivska	96.5	86.6	95.4	23.4	21.5	21.9	12.5	3.3	0.4	66.9	49.1	42.4
Kirovogradska		74.2	72.5		59.0	71.2		2.6	8.7		32.2	27.8
Louganska	77.8	59.8	62.8	20.0	16.2	15.7	6.4	5.6	6.6	13.6	8.2	10.4
Lvivska	99.7	100.0	100.0	18.8	49.5	49.6	3.6	1.5	0.7	33.3	19.4	3.4
Mykolajivska	39.2	29.2	32.6	10.4	10.8	16.0	5.0	0.0	0.8	10.9	11.3	13.6
Odessa	24.8	20.2	5.2	0.6	0.9	3.9	0.2	0.1	0.0	3.0	1.1	1.9
Poltavska		99.8	100.0		47.6	59.6		97.1	73.9		25.2	25.1
Rivnenska	74.8	67.9	90.7	19.1	43.7	42.7	3.3	0.0	0.0	60.0	32.5	42.3
Soumska	99.7	99.7	99.3	14.9	16.0	34.2	2.1	0.0	4.0	24.7	27.7	23.2
Kharkivska	99.5	99.7	100.0	31.9	36.6	18.8	3.5	1.3	2.1	98.6	95.6	83.6
Khersonska	100.0	100.0	99.7	12.4	21.5	22.4	4.2	9.1	0.5	11.6	11.8	10.0
Khmelnitska	99.1	88.6	96.0	3.0	69.9	38.6	28.8	0.3	0.3	49.4	47.2	10.1
Cherkasska	100.0	98.3	96.1	46.0	33.6	44.2	4.6	17.4	12.5	41.7	34.6	25.7
Chernivetska	97.6	88.0	73.8	22.5	18.9	26.2	34.9	10.3	0.0	78.0	14.2	6.0
Chernigivska	93.9	39.6	31.2	20.3	19.2	13.0	17.6	4.3	2.2	78.5	9.3	12.7
Kyiv city	94.2	90.3	90.7	12.0	12.5	11.2	12.9	2.9	5.1	81.5	42.9	17.0
AR Krym			99.8			43.8			11.2			88.7
Sevastopol city			0.0			9.6			0.0			8.4

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	15.9	15.9	15.0	1.8	4.7	8.3	1.0%	0.7%	1.0%	51.5%	40.4%	36.1%
Vinnitska	13.0	15.6	14.2	1.0	2.4	5.4	3	1	1	2	1	1
Volynska	16.0	15.3	16.3	2.3	6.6	12.5	0	2	2	0	2	0
Dnipropetrovska		14.4	15.6	2.1	5.6	9.2	5	5	1	1	1	0
Donetska	19.2	17.5	18.0	2.3	6.1	10.7	6	6	8	1	0	0
Zhytomirska	15.0	15.8	17.5	0.9	5.0	9.1	2	0	3	0	0	1
Zakarpatska	18.0	12.1	14.0	0.8	2.8	6.4	0	0	1	0	0	0
Ivano-Frankivska	19.0	16.1	13.3	1.0	2.3	5.5	0	0	0	0	0	0
Kyivska	16.5	20.5	13.9	1.1	2.6	6.7	0	0	0	0	0	0
Kirovogradska			15.1	0.8	4.4	7.8		0	1		0	0
Louganska	21.0	18.8	17.2	2.3	5.2	9.0	0	1	2	0	0	0
Lvivska	13.6	12.2	12.5	1.2	2.4	6.2	0	4	2	0	4	2
Mykolajivska	18.5	19.9	15.0	0.2	3.5	7.4	8	0	3	8	0	2
Odessa	12.9	17.4	14.0	2.9	6.5	9.5	2	4	4	0	0	0
Poltavska			16.2	0.9	4.4	9.0		0	0		0	0
Rivnenska		17.8	20.3	2.1	7.1	10.0	0	0	0	0	0	0
Soumska	16.5	12.1	15.5	0.8	3.2	7.5	0	0	0	0	0	0
Kharkivska	18.2	18.6	14.8	2.4	5.3	9.0	27	12	21	19	8	16
Khersonska	16.9	17.8	18.9	2.5	6.9	10.6	0	1	5	0	0	0
Khmelnitska	14.2	13.3	15.2	2.5	5.6	7.9	1	0	1	0	0	0
Cherkasska	11.6	14.1	16.0	2.6	5.4	9.3	9	8	5	1	2	1
Chernivetska	11.1	14.8	12.6	3.0	5.2	8.2	1	1	0	0	0	0
Chernigivska	14.8	16.7	13.5	2.2	6.5	8.3	2	1	3	2	1	2
Kyiv city	10.1	8.7	7.9	0.9	2.0	3.6	0	1	6	0	0	0
AR Krym									2			1
Sevastopol city									1			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	86.7	88.2	86.6	28.0	31.0	30.7	33.3	32.5	30.4	75.9	77.7	74.0
Vinnitska	74.3	73.2	69.6	24.5	29.3	34.7	24.6	24.6	18.5	72.4	70.9	68.3
Volynska	89.4	92.0	91.7	20.4	24.9	30.8	40.7	38.9	31.4	83.4	82.9	80.1
Dnipropetrovska	89.7	91.5	90.2	18.7	20.5	22.9	37.2	37.2	32.2	75.3	79.3	76.2
Donetska	85.0	86.7	85.6	34.2	38.1	36.4	40.4	39.3	35.5	75.2	77.4	73.6
Zhytomirska	83.6	84.4	87.5	32.7	33.9	43.2	27.7	28.3	24.8	78.9	76.9	73.9
Zakarpatska	77.9	80.9	74.8	44.0	40.4	46.5	28.1	37.1	29.5	68.5	74.8	69.1
Ivano-Frankivska	77.2	63.2	57.6	7.1	15.6	16.1	20.9	36.2	38.6	64.3	60.7	59.7
Kyivska	87.9	90.7	86.6	20.5	15.9	23.8	32.6	33.3	30.1	74.2	80.2	69.7
Kirovogradska		91.0	69.0		26.1	15.8		37.7	28.8		65.8	58.0
Louganska	82.9	86.5	87.8	17.7	19.5	31.7	37.2	35.8	34.9	75.7	76.5	71.6
Lvivska	94.0	94.0	96.4	45.4	39.7	37.5	30.3	30.2	31.9	80.6	81.1	79.7
Mykolajivska	88.9	88.5	85.1	36.5	50.2	36.0	50.1	39.8	35.3	77.0	76.9	70.1
Odessa	96.5	97.6	97.6	22.9	33.9	32.3	32.6	29.0	26.2	77.5	87.3	86.8
Poltavska		83.1	76.7		33.9	29.3		46.7	37.8		64.3	57.3
Rivnenska	85.1	88.5	87.0	36.6	45.6	54.5	50.7	41.4	36.6	72.3	76.3	74.8
Soumska	90.6	91.0	91.1	21.4	19.0	25.0	16.1	15.5	16.9	76.9	79.9	76.5
Kharkivska	73.9	87.0	98.2	20.1	25.5	25.0	35.3	31.7	32.4	73.1	77.6	76.8
Khersonska	92.8	88.5	91.9	20.1	27.2	31.4	32.4	33.3	31.9	79.1	77.5	76.3
Khmelnitska	99.7	99.2	85.6	42.3	40.4	41.4	31.6	27.6	21.8	75.1	74.7	71.6
Cherkasska	85.8	85.8	88.5	18.1	11.2	21.0	35.7	33.5	33.3	63.8	69.3	76.8
Chernivetska	93.9	85.6	79.8	39.0	36.8	31.6	42.3	44.1	39.9	81.9	79.7	74.0
Chernigivska	83.6	85.4	87.0	10.9	10.2	19.3	46.1	36.1	41.4	80.6	82.8	85.2
Kyiv city	89.8	91.2	89.7	50.6	56.7	54.8	11.1	8.6	10.5	82.5	87.2	85.4
AR Krym			77.0			5.7			39.7			62.4
Sevastopol city			91.0			14.5			32.3			66.7