

Table 1 General rates, 1999	♂	♀	♂
Incidence (crude rate)	4.0	4.4	3.7
Incidence (world standard)	3.1	3.6	2.7
Incidence (Ukrainian standard)	4.1	5.0	3.5
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	-2.38% ~~	-5.66% ~~	2.94% ~~
Estimated incidence rate for 2000 (Ukrainian standard)	4.1	5.2	3.4
Mortality (crude rate)	2.5	2.9	2.2
Mortality (world standard)	1.8	2.3	1.4
Mortality (Ukrainian standard)	2.5	3.3	2.0
Estimated mortality rate for 2000 (Ukrainian standard)	2.6	3.6	1.9
Relative 5-year survival rate, %	34.1	30.4	38.4
Median of relative survival (months)	17.8	12.9	27.2
Deaths during the first year of disease (diagnoses of 1999), %	38.2%	41.2%	35.0%
Patients underwent treatment during the first year of disease, %	64.6%	63.0%	66.3%
Microscopically verified diagnoses, %	78.6%	77.3%	80.0%
Probability of developing cancer at the age under 39	0.1% 1 in 1614	0.1% 1 in 1523	0.1% 1 in 1715
Probability of developing cancer at the age 40 – 59	0.1% 1 in 1001	0.1% 1 in 826	0.1% 1 in 1221
Probability of developing cancer at the age 60+	0.3% 1 in 351	0.4% 1 in 256	0.2% 1 in 415
Lifetime probability of developing cancer	0.5% 1 in 224	0.6% 1 in 173	0.4% 1 in 263

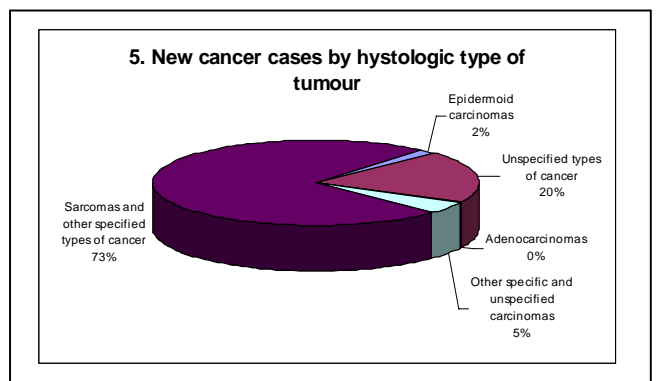


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	4.0	4.4	3.7	4.1	5.0	3.5	0.30	0.37	0.26	2029	1048	981
Vinnitska	3.6	4.1	3.2	3.4	4.6	2.8	0.25	0.30	0.22	54	28	26
Volynska	3.6	4.4	2.9	3.7	5.0	2.8	0.29	0.39	0.21	46	17	29
Dnipropetrovska	3.7	4.6	3.0	3.9	5.3	2.9	0.28	0.36	0.22	145	84	61
Donetska	4.1	4.5	3.8	4.0	4.8	3.4	0.31	0.38	0.26	180	94	86
Zhytomirska	4.5	4.2	4.7	4.5	4.6	4.3	0.33	0.35	0.31	61	32	29
Zakarpatska	3.0	2.4	3.5	3.3	2.9	3.6	0.26	0.22	0.29	40	23	17
Ivano-Frankivska	3.4	3.6	3.3	3.7	4.2	3.5	0.26	0.34	0.21	44	26	18
Kyivska	4.8	6.0	3.8	4.8	7.2	3.5	0.34	0.52	0.24	71	22	49
Kirovogradska	4.6	4.8	4.4	4.5	5.7	4.0	0.32	0.38	0.28	59	26	33
Louganska	4.2	4.1	4.3	4.1	4.6	3.9	0.34	0.37	0.33	95	39	56
Lvivska	3.5	3.7	3.3	3.6	4.2	3.2	0.30	0.32	0.28	85	51	34
Mykolajivska	4.2	3.6	4.7	4.4	4.4	4.6	0.31	0.29	0.33	66	30	36
Odessa	3.9	4.3	3.7	4.2	5.1	3.5	0.29	0.35	0.23	121	56	65
Poltavska	5.0	4.8	5.1	4.8	5.4	4.6	0.34	0.35	0.34	90	41	49
Rivnenska	4.9	5.3	4.5	5.2	6.0	4.5	0.41	0.52	0.33	47	27	20
Soumska	4.9	5.8	4.1	4.8	6.1	3.8	0.38	0.44	0.32	55	27	28
Kharkivska	4.0	3.9	4.1	4.0	4.6	3.7	0.28	0.31	0.26	117	69	48
Khersonska	3.7	3.1	4.3	4.0	3.7	4.2	0.29	0.32	0.28	45	31	14
Khmelnitska	4.0	3.7	4.3	4.0	4.2	4.0	0.30	0.28	0.31	56	26	30
Cherkasska	3.9	5.4	2.6	3.7	6.0	2.2	0.28	0.47	0.15	57	34	23
Chernivetska	2.9	4.3	1.6	3.1	5.2	1.5	0.23	0.39	0.10	29	14	15
Chernigivska	3.1	3.8	2.5	2.9	3.8	2.4	0.24	0.30	0.19	39	21	18
Kyiv city	4.5	5.5	3.7	5.1	7.0	3.9	0.36	0.52	0.25	98	51	47

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	2.5	2.9	2.2	2.5	3.3	2.0	9244.9	5865.1	3379.2	1298	724	574
Vinnitska	2.4	2.9	1.9	2.1	3.2	1.6	324.8	169.1	155.8	41	23	18
Volynska	1.6	1.8	1.4	1.7	2.0	1.3	238.9	131.9	107.0	31	14	17
Dnipropetrovska	2.5	2.6	2.4	2.6	3.1	2.3	830.4	507.9	322.5	100	55	45
Donetska	2.7	3.3	2.2	2.6	3.8	2.0	1031.4	613.9	417.5	119	66	53
Zhytomirska	2.9	3.3	2.5	2.8	3.5	2.0	287.3	219.2	68.2	34	20	14
Zakarpatska	2.3	2.6	2.1	2.7	3.4	2.3	350.2	224.7	125.5	21	13	8
Ivano-Frankivska	1.4	2.2	0.7	1.5	3.0	0.7	57.3	24.3	33.0	26	20	6
Kyivska	3.1	3.7	2.5	3.1	4.4	2.1	370.4	291.5	78.9	51	26	25
Kirovogradska	2.4	2.4	2.4	2.3	2.9	2.2	205.8	49.8	156.0	30	12	18
Louganska	3.0	3.0	3.0	2.9	3.3	2.7	474.5	265.0	209.5	76	35	41
Lvivska	2.1	2.4	1.8	2.2	2.9	1.6	605.5	446.8	158.7	46	30	16
Mykolajivska	1.9	1.1	2.6	2.0	1.4	2.4	164.8	53.8	111.0	34	21	13
Odessa	3.1	3.5	2.7	3.3	4.3	2.5	386.1	226.3	159.8	75	42	33
Poltavska	2.8	2.6	2.9	2.6	2.8	2.3	249.9	158.6	91.3	35	17	18
Rivnenska	2.4	3.2	1.8	2.6	3.8	1.7	321.8	229.3	92.6	27	17	10
Soumska	2.7	3.4	2.2	2.7	3.7	1.8	371.8	267.0	104.8	41	29	12
Kharkivska	2.7	2.9	2.4	2.6	3.3	2.1	365.4	243.0	122.4	57	25	32
Khersonska	3.6	4.0	3.2	3.9	5.1	3.1	303.4	245.3	58.1	33	21	12
Khmelnitska	2.8	3.0	2.7	2.8	3.1	2.4	271.3	173.6	97.8	39	22	17
Cherkasska	2.2	2.4	2.0	2.0	2.5	1.5	131.8	53.3	78.5	41	26	15
Chernivetska	2.2	3.4	1.2	2.5	4.2	1.1	227.0	201.9	25.1	17	11	6
Chernigivska	2.1	2.9	1.4	1.9	3.0	1.2	174.2	84.4	89.8	25	8	17
Kyiv city	2.1	2.7	1.5	2.4	3.4	1.6	447.1	316.1	131.0	54	31	23

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	94.6	4.3	1.1	94.9	5.1	96.4	2.8	0.7	98.7	1.3
Vinnitska	97.3	1.4	1.4	98.5	1.5	97.7	2.3	0.0	97.7	2.3
Volynska	92.7	7.3	0.0	89.5	10.5	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	97.0	2.2	0.7	91.4	8.6	99.0	1.0	0.0	98.9	1.1
Donetska	92.9	7.1	0.0	93.2	6.8	98.5	1.5	0.0	99.3	0.7
Zhytomirska	91.5	8.5	0.0	92.2	7.8	100.0	0.0	0.0	100.0	0.0
Zakarpatska	96.7	0.0	3.3	94.7	5.3	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	97.7	2.3	0.0	92.0	8.0	100.0	0.0	0.0	100.0	0.0
Kyivska	97.4	1.3	1.3	97.8	2.2	92.3	7.7	0.0	96.5	3.5
Kirovogradska				100.0	0.0				100.0	0.0
Louganska	96.3	2.8	0.9	97.3	2.7	94.2	3.5	2.3	98.8	1.3
Lvivska	93.8	4.1	2.1	95.8	4.2	87.9	12.1	0.0	98.2	1.8
Mykolajivska	92.1	7.9	0.0	87.0	13.0	100.0	0.0	0.0	100.0	0.0
Odessa	93.8	4.7	1.6	96.0	4.0	94.1	4.7	1.2	100.0	0.0
Poltavska				98.8	1.2				100.0	0.0
Rivnenska	96.9	1.6	1.6	96.6	3.4	100.0	0.0	0.0	100.0	0.0
Soumska	93.7	3.8	2.5	90.9	9.1	97.7	2.3	0.0	100.0	0.0
Kharkivska	95.5	2.7	1.8	94.1	5.9	100.0	0.0	0.0	100.0	0.0
Khersonska	88.6	11.4	0.0	95.7	4.3	100.0	0.0	0.0	100.0	0.0
Khmelnitska	95.0	3.8	1.3	100.0	0.0	93.9	2.0	4.1	97.6	2.4
Cherkasska	88.7	11.3	0.0	91.2	8.8	100.0	0.0	0.0	84.4	15.6
Chernivetska	95.8	0.0	4.2	100.0	0.0	90.0	0.0	10.0	95.2	4.8
Chernigivska	95.4	1.5	3.1	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Kyiv city	95.3	3.9	0.8	94.9	5.1	87.9	10.3	1.7	98.1	1.9

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	18.6	7.3	5.1	21.5	19.9	16.1	33.7	32.3	33.0	46.6	33.4	26.2
Vinnitska	23.7	13.8	13.2	30.6	24.6	17.0	16.7	20.0	22.6	34.7	36.9	18.9
Volynska	2.6	2.9	2.3	2.6	2.9	9.3	13.2	11.8	9.3	15.8	0.0	0.0
Dnipropetrovska	5.4	0.0	5.3	26.9	12.5	13.5	34.6	14.1	10.5	3.1	1.6	1.5
Donetska	7.7	3.7	3.6	20.0	18.8	17.8	39.5	33.0	37.9	43.1	23.6	18.3
Zhytomirska	0.0	1.7	5.3	14.8	10.2	8.8	50.0	35.6	29.8	22.2	8.5	0.0
Zakarpatska	0.0	0.0	5.1	37.9	41.7	7.7	48.3	72.2	46.2	51.7	69.4	51.3
Ivano-Frankivska	90.7	2.2	4.9	30.3	6.5	9.8	2.3	6.5	17.1	100.0	91.3	41.5
Kyivska	27.0	12.6	5.8	35.2	23.0	20.3	25.7	18.4	10.1	73.0	46.0	34.8
Kirovogradska		5.6	1.7		29.6	23.7		53.7	42.4		48.1	22.0
Louganska	1.0	1.8	3.3	18.1	20.0	23.9	25.7	19.1	29.3	21.9	10.9	8.7
Lvivska	5.5	11.0	11.0	11.0	12.1	14.6	52.7	46.2	54.9	45.1	30.8	3.7
Mykolajivska	0.0	2.1	1.8	0.0	2.1	8.8	37.1	25.5	35.1	25.7	17.0	22.8
Odessa	13.2	10.5	0.0	10.8	13.7	10.3	10.7	7.4	7.8	4.1	0.0	1.7
Poltavska		4.8	4.5		18.1	16.9		85.5	83.1		27.7	36.0
Rivnenska	1.6	1.8	0.0	8.1	35.7	24.4	40.3	32.1	28.9	59.7	26.8	55.6
Soumska	9.5	3.3	8.0	12.2	6.7	12.0	50.0	40.0	36.0	33.8	30.0	30.0
Kharkivska	78.5	11.6	9.1	35.5	38.4	24.5	33.6	39.3	46.4	99.1	97.3	77.3
Khersonska	5.1	2.3	0.0	28.2	20.5	15.9	30.8	47.7	25.0	25.6	25.0	13.6
Khmelnitska	9.2	3.4	5.4	7.9	42.4	21.4	64.5	10.2	1.8	60.5	52.5	17.9
Cherkasska	80.8	32.7	5.8	42.5	38.4	23.1	6.4	36.5	34.6	57.4	46.2	32.7
Chernivetska	17.4	11.1	3.4	52.2	18.5	17.2	39.1	33.3	41.4	73.9	14.8	27.6
Chernigivska	29.0	5.0	0.0	50.0	25.0	12.8	37.1	50.0	20.5	95.2	20.0	7.7
Kyiv city	12.2	19.6	5.4	12.2	7.1	6.5	35.8	34.8	41.9	78.9	57.1	28.0
AR Krym			14.3			20.2			56.0			90.5
Sevastopol city			0.0			0.0			37.5			12.5

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	42.5	39.3	38.2	4.6	15.5	26.4	2.3%	1.4%	1.8%	36.0%	25.0%	36.8%
Vinnitska	31.5	35.6	40.7	1.7	10.2	22.0	0	0	2	0	0	1
Volynska	43.2	34.1	13.2	0.0	2.6	5.3	1	0	0	0	0	0
Dnipropetrovska		46.1	48.9	5.3	24.8	36.8	1	0	3	0	0	2
Donetska	45.5	43.1	40.9	3.0	13.1	26.3	2	0	4	1	0	0
Zhytomirska	40.0	34.5	48.4	6.5	14.5	32.3	0	1	1	0	0	1
Zakarpatska	38.1	50.0	48.6	2.7	16.2	32.4	0	0	0	0	0	0
Ivano-Frankivska	58.6	31.8	24.0	2.0	10.0	12.0	0	0	0	0	0	0
Kyivska	42.7	41.9	50.0	6.0	22.6	32.1	1	0	0	0	0	0
Kirovogradska			36.0	2.0	16.0	34.0		0	0		0	0
Louganska	46.2	46.2	47.7	6.5	16.8	30.8	0	1	0	0	0	0
Lvivska	46.9	36.2	39.4	3.2	9.6	23.4	0	0	0	0	0	0
Mykolajivska	59.2	40.5	29.1	3.6	12.7	21.8	1	2	1	1	0	1
Odessa	36.1	43.3	38.5	2.1	20.8	31.3	3	1	3	0	0	0
Poltavska			34.6	1.2	9.9	23.5		0	0		0	0
Rivnenska		40.7	25.9	8.6	13.8	19.0	0	0	0	0	0	0
Soumska	52.7	31.6	30.2	3.2	9.5	22.2	0	0	0	0	0	0
Kharkivska	42.7	48.5	36.8	12.3	20.2	29.8	8	7	1	5	4	1
Khersonska	59.0	53.5	56.1	4.9	26.8	39.0	0	1	0	0	0	0
Khmelnitska	37.7	23.1	33.3	7.0	14.0	19.3	2	1	0	0	0	0
Cherkasska	41.8	42.3	46.4	5.4	21.4	37.5	3	2	1	0	0	0
Chernivetska	37.0	34.8	37.0	3.7	22.2	37.0	0	0	0	0	0	0
Chernigivska	47.3	43.5	27.5	10.0	17.5	20.0	3	0	1	2	0	1
Kyiv city	25.0	22.1	21.9	2.6	7.9	12.3	0	0	2	0	0	0
АР Крим									0			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	81.8	78.6	79.9	8.1	9.2	8.0	21.1	24.6	22.8	66.5	64.6	62.4
Vinnitska	74.3	77.3	84.9	6.8	8.5	9.6	21.6	16.7	20.8	74.0	59.3	67.3
Volynska	85.4	92.1	93.0	12.2	21.1	9.5	22.0	10.5	34.9	73.2	86.8	73.8
Dnipropetrovska	79.9	78.6	82.7	7.8	1.5	7.1	30.6	38.6	27.8	62.5	57.9	48.8
Donetska	74.8	70.7	74.6	12.2	14.6	11.4	17.6	22.9	21.9	71.1	66.7	64.1
Zhytomirska	79.7	70.3	71.9	8.6	11.3	17.5	23.7	28.1	22.8	69.0	72.6	77.2
Zakarpatska	63.3	65.8	82.1	0.0	8.1	2.6	26.7	34.2	17.9	56.7	56.8	76.9
Ivano-Frankivska	90.9	86.0	73.2	6.8	2.0	0.0	9.1	20.0	34.1	45.5	72.0	67.5
Kyivska	84.2	82.0	91.3	4.1	6.0	1.5	28.9	37.1	30.4	67.6	70.2	73.1
Kirovogradska		66.7	54.2		14.0	5.4		20.4	20.3		66.0	55.4
Louganska	83.5	78.8	77.2	6.7	4.7	6.5	22.9	31.0	34.8	66.3	61.7	56.5
Lvivska	88.7	88.4	80.5	11.7	13.8	5.1	13.4	14.7	14.6	67.0	69.1	63.3
Mykolajivska	92.1	98.2	87.1	16.2	43.6	13.3	55.3	18.2	35.5	75.7	76.4	63.3
Odessa	86.8	90.9	85.3	10.2	6.3	7.3	29.5	61.6	43.1	66.9	68.8	60.0
Poltavska		70.2	69.7		6.2	14.5		11.9	11.2		45.7	50.6
Rivnenska	90.6	70.7	68.9	5.1	6.9	8.9	20.3	29.3	20.0	62.7	69.0	77.8
Soumska	92.4	97.0	96.1	5.1	0.0	0.0	13.9	15.2	15.7	73.4	65.1	76.7
Kharkivska	71.4	64.7	77.8	6.2	6.1	10.0	27.7	19.3	15.4	57.7	54.4	62.7
Khersonska	72.7	67.4	84.1	2.3	4.9	4.9	18.2	30.4	27.3	62.8	53.7	75.6
Khmelnitska	86.3	83.1	85.7	14.1	5.3	5.6	8.8	16.9	14.3	65.4	68.4	53.7
Cherkasska	83.0	73.7	86.7	3.8	1.8	6.8	32.1	28.1	33.3	32.7	39.3	44.1
Chernivetska	70.8	74.1	48.3	13.0	7.4	14.3	12.5	22.2	27.6	78.3	74.1	60.7
Chernigivska	66.2	75.0	82.1	0.0	2.5	5.3	21.5	15.0	15.4	62.9	70.0	73.7
Kyiv city	92.2	89.8	96.9	8.2	14.9	13.0	3.9	4.2	1.0	82.0	76.3	67.4
АР Krym			70.6			1.2			12.9			52.4
Sevastopol city			100.0			12.5			12.5			75.0