

Table 1 General rates, 1999	↓ ↓	↓	↓
Incidence (crude rate)	9.8		18.2
Incidence (world standard)	7.2		13.2
Incidence (Ukrainian standard)	9.9		17.6
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	-4.81% ↓		-4.35% ↓
Estimated incidence rate for 2000 (Ukrainian standard)	10.2		18.1
Mortality (crude rate)	5.3		9.8
Mortality (world standard)	3.5		6.1
Mortality (Ukrainian standard)	5.3		9.0
Estimated mortality rate for 2000 (Ukrainian standard)	5.7		9.5
Relative 5-year survival rate, %	52.1		52.1
Median of relative survival (months)	-		-
Deaths during the first year of disease (diagnoses of 1999), %	20.1%		20.1%
Patients underwent treatment during the first year of disease, %	80.1%		80.1%
Microscopically verified diagnoses, %	96.9%		96.9%
Probability of developing cancer at the age under 39	0.1% 1 in 772		0.3% 1 in 389
Probability of developing cancer at the age 40 – 59	0.4% 1 in 288		0.6% 1 in 156
Probability of developing cancer at the age 60+	0.5% 1 in 204		0.7% 1 in 136
Lifetime probability of developing cancer	1.0% 1 in 104		1.6% 1 in 62

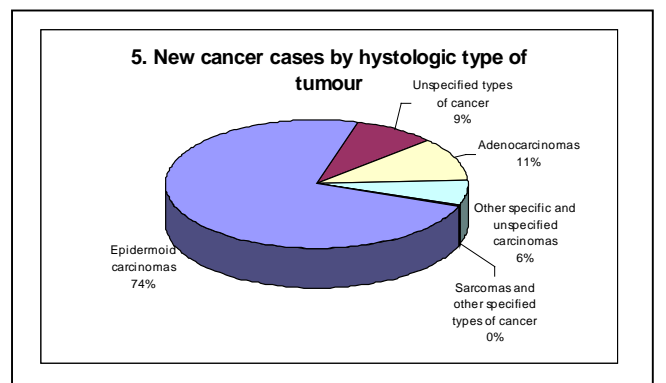


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣
Ukraine	9.8		18.2	9.9		17.6	0.74		1.33	5020		5020
Vinnitska	11.0		20.2	11.1		20.2	0.84		1.51	193		193
Volynska	10.0		19.0	11.0		20.2	0.87		1.58	113		113
Dnipropetrovska	8.3		15.5	8.4		14.8	0.61		1.08	367		367
Donetska	10.2		19.0	9.8		17.3	0.74		1.31	474		474
Zhytomirska	10.0		18.7	10.2		18.4	0.76		1.39	164		164
Zakarpatska	9.1		17.5	10.3		18.8	0.83		1.49	123		123
Ivano-Frankivska	9.6		18.2	10.5		19.0	0.76		1.39	131		131
Kyivska	11.8		21.9	11.9		21.2	0.87		1.57	218		218
Kirovogradska	8.1		15.0	8.1		14.4	0.66		1.17	117		117
Louganska	9.4		17.5	9.2		16.3	0.70		1.25	220		220
Lvivska	9.3		17.8	9.9		18.1	0.72		1.32	266		266
Mykolajivska	14.5		27.1	15.0		26.8	1.16		2.07	171		171
Odessa	12.2		22.9	12.5		22.1	0.96		1.70	348		348
Poltavska	9.0		16.6	8.8		15.6	0.68		1.22	150		150
Rivnenska	8.3		15.8	9.3		17.1	0.71		1.30	93		93
Soumska	8.8		16.3	8.6		15.5	0.65		1.17	105		105
Kharkivska	8.5		15.7	8.4		14.6	0.64		1.13	254		254
Khersonska	8.8		16.6	9.3		16.5	0.69		1.23	103		103
Khmelnitska	8.7		16.2	8.8		15.7	0.63		1.14	142		142
Cherkasska	11.1		20.3	10.9		19.4	0.84		1.50	151		151
Chernivetska	10.0		18.8	10.6		19.1	0.80		1.45	77		77
Chernigivska	10.4		18.9	9.8		17.4	0.74		1.33	119		119
Kyiv city	8.7		16.4	8.9		15.7	0.67		1.19	242		242

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	5.3		9.8	5.3		9.0	10769.9		10769.9	2827		2827
Vinnitska	5.3		9.7	5.0		8.7	492.3		492.3	95		95
Volynska	4.8		9.1	5.2		9.2	301.7		301.7	56		56
Dnipropetrovska	5.2		9.6	5.4		8.9	675.2		675.2	164		164
Donetska	5.4		10.1	5.3		8.7	935.9		935.9	270		270
Zhytomirska	6.2		11.6	6.0		10.1	247.6		247.6	89		89
Zakarpatska	5.0		9.7	5.7		10.4	391.9		391.9	63		63
Ivano-Frankivska	5.7		10.9	6.4		11.1	386.3		386.3	80		80
Kyivska	6.3		11.7	6.2		10.3	414.4		414.4	104		104
Kirovogradska	4.0		7.4	3.9		6.8	219.6		219.6	63		63
Louganska	6.1		11.5	6.0		10.2	668.9		668.9	182		182
Lvivska	4.0		7.6	4.2		7.6	661.7		661.7	116		116
Mykolajivska	6.3		11.9	6.8		11.5	359.1		359.1	70		70
Odessa	6.7		12.6	7.0		12.0	809.5		809.5	168		168
Poltavska	5.1		9.4	4.7		7.9	380.8		380.8	85		85
Rivnenska	2.2		4.2	2.4		4.2	116.3		116.3	39		39
Soumska	4.7		8.7	4.4		7.3	208.3		208.3	75		75
Kharkivska	4.9		9.0	4.8		8.0	511.5		511.5	130		130
Khersonska	5.2		9.8	5.8		9.6	215.7		215.7	61		61
Khmelnitska	6.6		12.3	6.1		10.0	321.3		321.3	85		85
Cherkasska	4.5		8.3	4.1		6.8	194.1		194.1	65		65
Chernivetska	5.6		10.6	6.1		10.4	225.8		225.8	55		55
Chernigivska	6.3		11.5	5.7		9.8	323.8		323.8	85		85
Kyiv city	4.1		7.8	4.6		7.8	480.7		480.7	100		100

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	95.5	3.5	0.9	96.1	3.9	93.4	4.9	1.6	96.9	3.1
Vinnitska	99.5	0.5	0.0	98.5	1.5	97.8	1.1	1.1	96.9	3.1
Volynska	96.5	3.5	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	92.8	5.3	1.9	96.8	3.2	98.9	1.1	0.0	97.4	2.6
Donetska	94.0	5.2	0.8	93.9	6.1	94.2	3.9	1.9	95.9	4.1
Zhytomirska	97.4	2.0	0.7	92.4	7.6	87.1	12.9	0.0	93.3	6.7
Zakarpatska	98.1	0.9	0.9	94.8	5.2	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	98.6	0.7	0.7	99.3	0.7	100.0	0.0	0.0	100.0	0.0
Kyivska	98.1	1.4	0.5	99.1	0.9	88.5	8.8	2.7	95.7	4.3
Kirovogradska				100.0	0.0				100.0	0.0
Louganska	97.2	2.8	0.0	98.0	2.0	87.8	11.6	0.5	93.9	6.1
Lvivska	95.8	2.7	1.5	97.6	2.4	91.9	8.1	0.0	99.1	0.9
Mykolajivska	95.9	2.7	1.4	89.9	10.1	98.6	1.4	0.0	98.8	1.2
Odessa	97.6	2.2	0.3	97.1	2.9	90.9	8.6	0.5	98.2	1.8
Poltavska				100.0	0.0				100.0	0.0
Rivnenska	97.4	2.6	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Soumska	97.7	1.5	0.8	96.6	3.4	97.5	1.3	1.3	96.9	3.1
Kharkivska	97.2	2.1	0.7	94.0	6.0	100.0	0.0	0.0	100.0	0.0
Khersonska	88.4	10.9	0.7	93.6	6.4	100.0	0.0	0.0	100.0	0.0
Khmelnitska	98.3	0.9	0.9	97.7	2.3	80.8	8.1	11.1	85.6	14.4
Cherkasska	87.6	10.7	1.7	91.3	8.7	98.8	1.2	0.0	98.5	1.5
Chernivetska	97.1	1.4	1.4	98.9	1.1	76.2	6.3	17.5	98.1	1.9
Chernigivska	96.8	2.4	0.8	96.3	3.7	100.0	0.0	0.0	100.0	0.0
Kyiv city	90.7	6.2	3.1	93.8	6.3	82.3	14.2	3.5	92.5	7.5

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	85.2	80.3	77.6	7.7	8.3	9.3	11.3	8.5	6.1	39.7	29.7	20.7
Vinnitska	94.5	92.9	95.8	6.5	11.1	15.8	0.0	1.5	0.0	41.0	43.9	11.6
Volynska	84.7	9.4	2.7	0.0	0.0	0.9	0.0	0.0	0.9	8.1	1.9	4.4
Dnipropetrovska	76.3	72.4	48.6	3.9	1.7	1.1	3.3	1.3	1.1	1.2	1.0	1.4
Donetska	75.5	68.4	64.4	6.6	4.4	7.4	20.2	16.7	12.1	37.3	20.1	13.4
Zhytomirska	94.6	93.2	96.7	6.0	3.8	4.6	12.8	1.5	0.7	8.7	6.8	5.3
Zakarpatska	95.2	94.5	95.7	10.5	6.4	16.2	22.9	9.1	1.7	48.6	78.2	38.5
Ivano-Frankivska	100.0	92.0	97.7	21.0	2.2	14.7	1.4	0.0	0.0	100.0	98.5	30.2
Kyivska	96.2	87.4	94.4	13.4	14.0	7.9	13.9	2.8	0.0	75.0	50.7	29.6
Kirovogradska		93.7	94.0		26.3	39.3		6.3	4.3		24.2	27.4
Louganska	95.4	95.1	86.6	2.1	2.9	1.4	3.3	6.1	5.1	7.1	5.3	6.5
Lvivska	95.6	96.0	94.6	5.6	23.9	17.3	4.0	2.8	3.1	34.5	14.2	2.3
Mykolajivska	81.0	81.2	80.0	1.4	1.2	3.9	4.9	1.2	0.0	13.4	12.9	11.0
Odessa	24.9	27.9	15.1	4.5	3.7	1.5	0.6	0.0	0.0	3.6	1.3	0.6
Poltavska		94.7	95.3		19.1	16.7		98.0	74.7		32.2	26.7
Rivnenska	93.4	51.0	97.8	5.3	12.2	22.6	0.0	0.0	0.0	59.2	25.5	33.3
Soumska	99.2	94.8	98.0	4.0	7.0	11.8	0.0	0.0	3.9	11.8	13.9	10.8
Kharkivska	98.6	92.0	93.8	17.9	3.8	8.3	2.9	0.8	2.5	99.6	99.2	88.3
Khersonska	96.7	92.2	94.8	9.0	11.8	14.4	9.8	10.8	2.1	14.8	12.7	11.3
Khmelnitska	100.0	96.8	100.0	1.8	18.4	10.1	69.6	0.8	0.0	67.0	62.4	12.9
Cherkasska	99.4	98.0	93.5	17.5	15.6	18.1	2.6	17.7	10.1	29.0	21.1	19.6
Chernivetska	95.6	95.7	94.7	8.8	5.4	17.1	32.4	4.3	0.0	85.3	17.2	11.8
Chernigivska	95.8	70.0	65.2	12.5	11.5	2.6	46.7	10.8	2.6	81.7	18.5	7.8
Kyiv city	97.6	97.1	97.4	6.3	6.2	2.6	29.3	5.2	4.8	88.8	57.1	22.9
AR Krym			89.6			9.8			17.7			97.0
Sevastopol city			35.7			3.6			0.0			28.6

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	21.4	21.1	20.1	2.1	6.0	11.2	0.9%	1.1%	1.1%	34.8%	40.0%	41.7%
Vinnitska	17.5	15.0	17.5	2.0	6.0	11.0	0	1	0	0	1	0
Volynska	18.2	17.5	17.0	0.0	1.9	5.7	0	0	1	0	0	1
Dnipropetrovska		24.5	24.7	3.7	7.7	14.0	2	4	2	0	0	1
Donetska	22.4	21.9	22.4	2.4	7.8	13.4	2	2	2	0	0	0
Zhytomirska	23.8	21.6	21.9	2.9	5.1	10.9	1	1	2	0	0	1
Zakarpatska	25.7	29.0	16.7	0.0	0.0	1.8	0	0	0	0	0	0
Ivano-Frankivska	29.9	18.6	23.9	0.7	6.5	12.3	0	0	0	0	0	0
Kyivska	22.3	27.7	21.2	2.4	7.5	12.7	0	0	0	0	0	0
Kirovogradska			23.7	1.1	5.4	14.0		0	0		0	0
Louganska	23.9	20.9	19.5	1.2	5.7	11.0	0	1	0	0	0	0
Lvivska	16.4	14.5	17.6	2.9	5.3	9.8	0	1	2	0	1	1
Mykolajivska	22.8	20.8	21.2	2.2	7.1	11.4	2	2	1	2	0	0
Odeska	21.8	25.6	18.8	1.7	5.3	11.6	2	2	3	0	0	0
Poltavska			17.7	2.0	4.8	12.2		0	1		0	0
Rivnenska		18.4	18.4	1.0	5.1	13.3	0	0	0	0	0	0
Soumska	13.8	15.1	14.8	0.0	0.0	3.5	0	0	0	0	0	0
Kharkivska	29.4	24.5	22.4	2.0	7.7	14.6	9	2	6	6	1	5
Khersonska	24.8	21.5	17.9	0.0	2.8	9.4	0	0	2	0	0	1
Khmelnitska	22.5	20.5	24.0	0.8	5.6	9.6	1	0	0	0	0	0
Cherkasska	19.9	19.5	17.7	4.4	5.1	9.5	4	6	1	0	4	0
Chernivetska	19.4	21.7	17.2	2.2	7.5	11.8	0	0	0	0	0	0
Chernigivska	22.2	25.8	28.6	6.0	13.5	18.0	0	3	0	0	3	0
Kyiv city	12.0	13.1	11.2	2.3	4.7	5.6	0	0	0	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	95.9	96.9	96.8	37.9	37.9	38.9	26.7	27.7	24.6	78.8	80.1	76.5
Vinnitska	94.0	93.5	100.0	44.4	31.0	40.9	21.1	21.9	18.9	87.4	81.0	83.3
Volynska	100.0	100.0	99.1	43.9	58.5	50.4	16.5	16.0	17.7	92.1	88.7	81.4
Dnipropetrovska	97.5	99.0	99.2	27.6	28.0	31.0	25.3	20.6	16.5	74.4	74.3	77.9
Donetska	95.8	94.1	93.7	44.4	43.5	53.5	31.5	37.9	29.8	75.1	78.2	70.4
Zhytomirska	92.8	96.5	96.7	43.2	56.2	62.3	25.5	20.8	15.1	83.1	86.1	84.8
Zakarpatska	93.5	98.3	93.2	31.8	37.7	40.9	45.8	29.3	29.9	80.4	86.0	79.1
Ivano-Frankivska	94.5	98.6	99.2	10.7	10.1	15.7	20.0	34.5	29.5	70.7	83.3	75.6
Kyivska	95.3	94.9	98.1	30.1	23.1	29.4	35.8	37.8	27.3	74.3	71.7	63.6
Kirovogradska		95.8	92.3		36.6	23.5		26.3	28.2		69.9	57.4
Louganska	98.4	98.0	99.1	57.4	59.3	68.1	13.0	10.0	12.0	84.7	85.4	66.2
Lvivska	98.5	98.4	98.1	50.6	36.7	42.1	15.2	23.3	21.2	87.1	84.5	84.1
Mykolajivska	99.3	98.9	95.7	57.6	37.5	41.2	37.8	30.7	26.7	81.9	78.8	75.2
Odeska	96.2	99.0	98.8	28.7	34.0	30.5	28.1	29.6	22.8	72.2	84.8	82.9
Poltavska		93.4	94.0		42.2	38.4		43.4	46.7		74.8	76.0
Rivnenska	94.9	98.0	96.8	47.4	61.2	53.3	23.1	26.5	23.7	88.2	87.8	84.8
Soumska	99.2	98.3	99.0	42.9	27.0	35.0	19.2	20.2	14.7	89.7	85.2	87.0
Kharkivska	89.7	99.6	98.0	26.7	31.7	24.9	34.0	29.8	28.2	74.0	78.0	76.7
Khersonska	97.8	90.8	95.9	37.8	30.2	29.2	27.5	30.3	35.1	74.1	71.7	65.6
Khmelnitska	99.1	100.0	100.0	37.5	55.2	48.2	21.4	14.1	23.7	82.1	80.8	79.6
Cherkasska	92.7	94.4	97.2	18.9	17.7	29.8	32.2	29.6	24.1	62.7	74.1	76.6
Chernivetska	100.0	100.0	82.9	43.5	49.5	37.3	24.3	28.7	32.9	89.9	86.0	82.7
Chernigivska	90.3	89.6	97.4	14.2	17.3	23.4	51.6	61.5	42.6	79.2	79.7	82.9
Kyiv city	97.3	99.6	99.1	54.1	54.7	61.9	15.5	11.1	12.9	83.8	79.4	82.1
АР Krym			88.5			0.6			32.7			72.4
Sevastopol city			96.4			28.6			32.1			46.4