

Table 1 General rates, 1999	♂	♀	♂+♀
Incidence (crude rate)	5.7	11.9	0.4
Incidence (world standard)	4.0	9.2	0.3
Incidence (Ukrainian standard)	5.8	13.8	0.4
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	-3.33% ~~	-3.50% ~~	0.00% ~~
Estimated incidence rate for 2000 (Ukrainian standard)	5.9	14.0	0.4
Mortality (crude rate)	4.2	8.8	0.2
Mortality (world standard)	2.8	6.7	0.1
Mortality (Ukrainian standard)	4.2	10.4	0.2
Estimated mortality rate for 2000 (Ukrainian standard)	4.4	10.8	0.2
Relative 5-year survival rate, %	29.8	29.4	40.3
Median of relative survival (months)	18.7	18.5	32.1
Deaths during the first year of disease (diagnoses of 1999), %	38.4%	38.8%	27.3%
Patients underwent treatment during the first year of disease, %	71.7%	71.9%	65.9%
Microscopically verified diagnoses, %	88.6%	88.8%	85.7%
Probability of developing cancer at the age under 39	0.0% 1 in 13175	0.0% 1 in 7955	0.0% 1 in 36074
Probability of developing cancer at the age 40 – 59	0.2% 1 in 457	0.5% 1 in 215	0.0% 1 in 6699
Probability of developing cancer at the age 60+	0.4% 1 in 289	1.0% 1 in 104	0.0% 1 in 4973
Lifetime probability of developing cancer	0.6% 1 in 175	1.4% 1 in 70	0.0% 1 in 2645

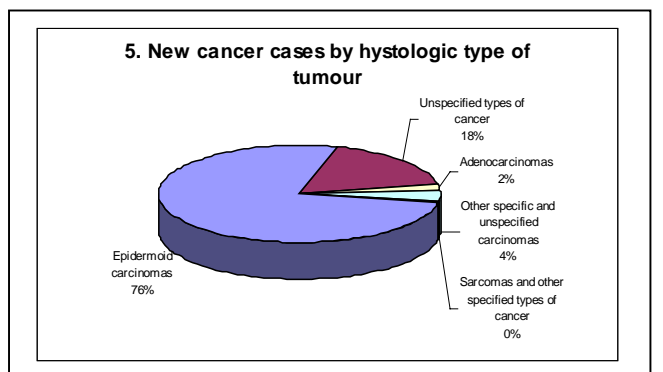


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	5.7	11.9	0.4	5.8	13.8	0.4	0.49	1.14	0.03	2915	2809	106
Vinnitska	5.2	11.0	0.3	4.9	11.7	0.3	0.42	1.01	0.02	97	92	5
Volynska	6.8	13.9	0.4	7.5	18.5	0.4	0.59	1.39	0.04	81	80	1
Dnipropetrovska	5.3	11.2	0.2	5.3	12.8	0.2	0.45	1.05	0.02	182	177	5
Donetska	6.2	12.9	0.4	5.9	14.2	0.3	0.50	1.18	0.02	304	291	13
Zhytomirska	6.2	12.7	0.5	6.1	13.9	0.6	0.51	1.14	0.04	101	95	6
Zakarpatska	5.2	10.7	0.0	6.1	14.4	0.0	0.53	1.26	0.00	70	70	0
Ivano-Frankivska	6.4	13.1	0.4	7.2	16.7	0.4	0.60	1.36	0.04	81	78	3
Kyivska	6.1	12.4	0.6	6.3	14.7	0.6	0.53	1.23	0.04	119	114	5
Kirovogradska	6.2	11.7	1.6	6.1	12.8	1.5	0.50	1.06	0.10	88	85	3
Louganska	5.5	11.6	0.3	5.3	12.6	0.3	0.46	1.06	0.02	142	132	10
Lvivska	6.1	12.3	0.6	6.7	15.6	0.5	0.57	1.30	0.05	164	159	5
Mykolajivska	7.7	16.4	0.1	8.1	20.4	0.1	0.66	1.58	0.01	88	86	2
Odessa	5.7	11.7	0.4	5.9	13.8	0.4	0.48	1.12	0.03	145	133	12
Poltavska	6.8	14.4	0.3	6.7	15.0	0.4	0.55	1.24	0.03	116	116	0
Rivnenska	4.6	9.6	0.2	5.3	12.8	0.1	0.43	1.04	0.00	59	56	3
Soumska	6.0	12.8	0.3	5.8	13.9	0.2	0.49	1.16	0.01	79	75	4
Kharkivska	5.0	10.3	0.6	5.0	11.5	0.5	0.42	0.96	0.04	198	190	8
Khersonska	6.6	13.8	0.2	6.9	16.6	0.2	0.59	1.41	0.01	91	90	1
Khmelnitska	5.0	10.6	0.3	5.2	12.8	0.2	0.42	0.99	0.02	74	70	4
Cherkasska	5.6	12.1	0.3	5.3	12.8	0.2	0.45	1.05	0.02	79	77	2
Chernivetska	6.0	12.5	0.2	6.4	15.5	0.2	0.56	1.32	0.02	45	45	0
Chernigivska	5.6	12.0	0.4	5.2	12.1	0.4	0.43	0.98	0.04	68	67	1
Kyiv city	4.1	8.3	0.4	4.6	10.4	0.5	0.39	0.89	0.03	105	95	10

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	4.2	8.8	0.2	4.2	10.4	0.2	6285.9	6217.7	68.1	2150	2091	59
Vinnitska	3.2	7.0	0.1	3.0	7.7	0.1	197.3	197.3	0.0	69	65	4
Volynska	4.7	9.8	0.2	5.1	12.6	0.2	148.3	148.3	0.0	49	48	1
Dnipropetrovska	3.6	7.3	0.3	3.7	9.0	0.3	426.0	411.5	14.5	137	134	3
Donetska	4.8	10.3	0.1	4.6	11.7	0.1	637.4	633.9	3.5	229	224	5
Zhytomirska	4.1	8.7	0.1	4.0	9.7	0.1	238.7	238.7	0.0	64	61	3
Zakarpatska	4.2	8.6	0.2	5.0	11.7	0.1	214.8	214.8	0.0	48	46	2
Ivano-Frankivska	3.9	7.9	0.4	4.2	10.1	0.4	168.1	161.5	6.6	47	44	3
Kyivska	5.1	10.8	0.2	5.3	13.6	0.2	266.3	251.2	15.2	79	75	4
Kirovogradska	4.5	9.1	0.6	4.3	10.5	0.5	133.9	133.9	0.0	56	54	2
Louganska	4.0	8.3	0.3	3.8	9.3	0.3	309.5	297.0	12.5	94	92	2
Lvivska	3.7	7.5	0.3	4.0	9.6	0.3	239.3	239.3	0.0	111	109	2
Mykolajivska	5.4	11.5	0.1	5.8	13.9	0.2	202.8	198.3	4.5	68	67	1
Odessa	4.1	8.7	0.1	4.4	10.6	0.2	387.3	387.3	0.0	92	87	5
Poltavska	4.0	8.3	0.3	3.7	9.2	0.3	119.9	119.9	0.0	62	62	0
Rivnenska	3.0	6.2	0.2	3.4	8.0	0.1	117.3	117.3	0.0	42	42	0
Soumska	5.8	12.5	0.1	5.5	13.6	0.1	316.3	316.3	0.0	67	65	2
Kharkivska	4.9	10.1	0.4	4.8	11.9	0.4	414.3	410.7	3.6	127	121	6
Khersonska	4.3	9.0	0.2	4.5	10.9	0.1	255.0	255.0	0.0	57	56	1
Khmelnitska	5.4	11.8	0.0	5.4	14.2	0.0	199.5	199.5	0.0	66	58	8
Cherkasska	3.5	7.5	0.1	3.3	8.0	0.1	124.9	124.9	0.0	53	53	0
Chernivetska	4.7	10.0	0.0	4.9	12.4	0.0	98.6	98.6	0.0	33	29	4
Chernigivska	4.6	9.9	0.3	4.3	9.9	0.2	252.1	252.1	0.0	43	40	3
Kyiv city	2.2	4.4	0.1	2.6	6.2	0.2	101.8	101.8	0.0	57	55	2

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	94.7	5.0	0.3	96.1	3.9	96.7	2.7	0.6	97.9	2.1
Vinnitska	99.1	0.9	0.0	96.8	3.2	98.6	0.0	1.4	98.3	1.7
Volynska	93.3	6.7	0.0	94.4	5.6	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	88.0	11.5	0.5	93.9	6.1	97.4	1.9	0.6	97.7	2.3
Donetska	95.8	4.2	0.0	94.8	5.2	96.6	3.4	0.0	98.3	1.7
Zhytomirska	89.9	10.1	0.0	95.5	4.5	91.5	7.0	1.4	98.3	1.7
Zakarpatska	95.8	1.4	2.8	95.5	4.5	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	97.4	2.6	0.0	100.0	0.0	100.0	0.0	0.0	98.2	1.8
Kyivska	99.1	0.9	0.0	100.0	0.0	91.2	6.6	2.2	96.8	3.2
Kirovogradska				100.0	0.0				100.0	0.0
Louganska	98.6	1.4	0.0	99.3	0.7	98.2	0.9	0.9	96.3	3.7
Lvivska	96.3	2.5	1.2	97.0	3.0	94.0	6.0	0.0	98.0	2.0
Mykolajivska	94.4	5.6	0.0	95.0	5.0	98.5	1.5	0.0	100.0	0.0
Odessa	95.5	4.5	0.0	94.4	5.6	97.0	3.0	0.0	99.0	1.0
Poltavska				96.5	3.5				100.0	0.0
Rivnenska	98.1	1.9	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Soumska	98.8	1.2	0.0	100.0	0.0	96.5	3.5	0.0	100.0	0.0
Kharkivska	94.3	5.7	0.0	95.3	4.7	100.0	0.0	0.0	100.0	0.0
Khersonska	84.1	14.6	1.2	91.4	8.6	100.0	0.0	0.0	100.0	0.0
Khmelnitska	99.0	1.0	0.0	98.6	1.4	96.0	1.3	2.7	95.0	5.0
Cherkasska	82.8	16.1	1.1	90.1	9.9	100.0	0.0	0.0	92.2	7.8
Chernivetska	98.1	1.9	0.0	100.0	0.0	95.6	0.0	4.4	100.0	0.0
Chernigivska	98.9	1.1	0.0	98.6	1.4	100.0	0.0	0.0	100.0	0.0
Kyiv city	92.9	6.3	0.9	91.6	8.4	82.4	16.2	1.5	82.1	17.9

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	79.7	74.5	71.0	16.4	17.1	18.2	18.8	13.3	8.2	48.7	35.7	32.5
Vinnitska	96.3	96.7	95.7	16.8	12.1	29.8	0.0	2.2	2.1	19.6	20.9	35.1
Volynska	8.9	8.8	7.8	3.6	5.9	0.0	1.8	0.0	2.6	32.1	5.9	5.2
Dnipropetrovska	80.1	60.8	47.7	13.1	8.1	11.0	5.1	4.3	1.7	1.7	2.2	0.0
Donetska	90.9	84.9	77.2	16.9	17.5	10.4	42.2	36.0	17.3	53.4	30.1	23.5
Zhytomirska	68.8	75.3	82.5	15.0	10.6	18.6	20.0	3.5	0.0	7.5	3.5	6.2
Zakarpatska	50.0	34.9	31.3	14.7	23.8	14.9	17.6	23.8	7.5	48.5	68.3	44.8
Ivano-Frankivska	100.0	98.9	100.0	19.7	9.8	18.8	1.3	1.1	0.0	98.7	96.7	51.3
Kyivska	95.5	75.0	74.8	23.6	14.3	4.2	16.4	1.8	0.0	84.5	68.8	64.7
Kirovogradska		83.6	87.5		47.9	52.3		5.5	9.1		43.8	46.6
Louganska	75.4	70.1	66.7	11.6	9.5	9.9	5.8	10.9	7.1	12.3	4.8	7.8
Lvivska	94.9	98.8	98.7	22.3	34.8	32.1	14.0	9.9	2.5	60.5	49.1	6.3
Mykolajivska	17.9	14.6	29.8	4.5	4.2	15.5	6.0	2.1	4.8	20.9	20.8	17.9
Odessa	17.9	19.3	12.4	8.3	7.4	8.0	2.4	0.0	0.0	4.2	0.0	2.2
Poltavska		93.6	93.8		27.3	28.6		96.4	65.2		16.4	23.2
Rivnenska	66.7	47.3	42.4	15.7	12.7	23.7	9.8	0.0	0.0	54.9	40.0	44.1
Soumska	92.7	96.3	97.5	19.5	29.6	26.6	3.7	1.2	6.3	23.2	25.9	22.8
Kharkivska	100.0	100.0	95.8	31.7	23.1	24.9	6.6	3.5	1.1	99.5	99.3	94.2
Khersonska	75.4	87.8	40.5	18.8	20.3	26.2	17.4	12.2	0.0	36.2	21.6	14.3
Khmelnitska	97.1	86.3	100.0	11.8	31.5	21.9	58.8	2.7	2.7	74.5	65.8	24.7
Cherkasska	98.7	98.7	98.6	16.9	19.2	15.5	1.3	17.8	8.5	32.5	32.9	33.8
Chernivetska	94.3	100.0	95.6	9.4	14.3	8.9	30.2	7.1	2.2	88.7	26.8	11.1
Chernigivska	94.5	48.6	38.8	22.0	9.7	16.4	45.1	11.1	7.5	89.0	26.4	13.4
Kyiv city	97.1	94.9	93.8	10.6	8.2	8.2	61.5	3.1	17.5	99.0	80.6	74.2
AR Krym			76.7			25.6			12.0			95.5
Sevastopol city			4.8			0.0			0.0			14.3

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	40.7	39.8	38.4	4.7	11.2	22.1	2.4%	2.5%	2.3%	18.2%	25.5%	17.5%
Vinnitska	41.8	28.2	33.7	3.3	8.7	16.3	0	1	1	0	0	1
Volynska	30.5	48.3	42.9	1.4	8.6	24.3	0	1	1	0	0	0
Dnipropetrovska		39.3	35.6	7.2	13.9	23.2	3	11	7	0	0	1
Donetska	13.1	43.0	44.8	4.7	13.4	26.1	4	2	3	0	0	1
Zhytomirska	35.0	40.2	39.5	3.5	12.8	24.4	2	2	0	0	0	0
Zakarpatska	44.6	43.5	46.2	3.1	10.8	21.5	1	0	0	0	0	0
Ivano-Frankivska	55.7	33.8	22.5	4.5	7.9	10.1	0	0	0	0	0	0
Kyivska	0.0	36.9	40.9	4.5	12.7	26.4	1	1	0	0	0	0
Kirovogradska			36.1	5.6	12.5	22.2		0	0		0	0
Louganska	32.3	36.5	38.2	6.9	12.5	27.1	3	3	2	0	0	0
Lvivska	30.3	37.7	38.2	2.4	7.9	21.8	0	3		0	3	0
Mykolajivska	61.1	49.3	43.0	4.0	5.0	18.0	3	2	4	1	0	0
Odeska	0.0	37.6	34.5	4.3	13.7	25.9	5	2	5	0	0	0
Poltavska			30.4	0.9	5.4	11.6		0	0		0	0
Rivnenska		25.5	41.1	3.6	10.7	30.4	0	0		0	1	0
Soumska	50.0	51.3	52.6	2.6	16.7	26.9	0	0	1	0	0	0
Kharkivska	24.0	55.6	50.0	10.1	14.9	27.0	11	5	3	6	4	2
Khersonska	38.2	39.7	44.9	3.8	9.0	23.1	1	0	1	0	0	0
Khmelnitska	13.5	39.8	42.9	2.9	11.4	20.0	1	0	2	1	0	0
Cherkasska	45.2	30.0	30.4	7.6	8.9	13.9	7	6	3	0	2	0
Chernivetska	62.9	52.8	40.7	7.4	18.5	25.9	0	0	0	0	0	0
Chernigivska	0.0	36.0	35.2	11.3	16.9	29.6	2	6	3	0	2	2
Kyiv city	0.0	24.0	13.3	0.0	1.9	4.8	0	0	1	0	0	0
АР Крим										2		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	88.8	88.6	89.3	9.6	8.8	8.8	13.8	16.3	50.8	73.4	71.7	72.7
Vinnitska	84.3	86.2	96.8	8.7	6.5	11.0	13.0	21.3	13.8	80.6	70.7	70.3
Volynska	95.0	94.4	100.0	3.4	5.7	11.7	16.7	12.5	14.3	74.1	75.7	72.7
Dnipropetrovska	89.5	92.9	89.7	5.1	4.6	4.2	21.5	20.2	24.7	71.9	70.6	75.3
Donetska	87.4	84.4	90.0	14.0	14.0	12.7	13.9	16.2	10.7	73.3	63.9	72.1
Zhytomirska	86.5	91.0	85.6	18.4	17.4	20.0	9.0	20.2	10.3	73.6	74.4	76.8
Zakarpatska	87.3	84.8	94.0	1.4	4.6	9.1	16.9	18.2	11.9	76.8	70.8	86.4
Ivano-Frankivska	92.3	90.3	88.8	1.3	1.1	2.5	11.5	11.8	13.8	80.5	80.9	75.0
Kyivska	90.1	96.4	96.6	2.7	2.7	3.5	13.5	25.9	14.3	72.1	80.9	81.6
Kirovogradska		82.2	70.5		9.7	5.8		12.3	14.8		69.4	61.6
Louganska	89.3	89.9	90.1	8.8	0.7	6.7	16.4	20.3	13.5	83.2	69.4	67.9
Lvivska	84.0	83.1	96.2	11.9	10.9	3.9	12.9	13.3	12.6	67.9	64.8	71.2
Mykolajivska	95.8	95.0	85.9	32.8	32.0	20.0	12.7	24.8	17.6	76.1	79.0	58.8
Odeska	96.0	95.1	97.1	12.7	9.4	12.0	24.4	25.9	17.5	71.1	80.6	80.5
Poltavska		76.3	81.3		10.7	8.0		6.1	8.0		67.0	67.0
Rivnenska	86.5	89.1	91.5	23.5	5.4	13.8	19.2	12.7	16.9	66.7	69.6	81.0
Soumska	88.0	81.5	82.3	3.8	1.3	3.9	7.2	19.8	6.3	83.8	70.5	75.0
Kharkivska	74.7	84.0	80.2	9.1	7.4	8.3	16.5	14.0	12.1	56.7	55.4	67.6
Khersonska	89.0	86.4	88.1	9.0	3.8	7.7	7.3	18.5	19.0	79.5	76.9	74.4
Khmelnitska	100.0	86.5	91.8	2.9	12.9	13.9	2.9	4.1	6.8	69.9	84.3	73.6
Cherkasska	90.3	92.7	97.4	5.6	2.5	9.6	8.6	14.6	15.8	53.3	74.7	72.6
Chernivetska	94.4	94.6	93.3	17.0	14.8	18.2	9.3	5.4	20.0	88.7	75.9	86.4
Chernigivska	84.8	90.4	86.6	4.7	0.0	3.2	13.0	15.1	7.5	87.2	77.5	82.3
Kyiv city	96.4	99.1	96.9	7.7	14.3	8.6	4.5	6.5	21.4	82.7	81.0	90.3
AR Krym			80.1			2.2			1.5			53.0
Sevastopol city			100.0			0.0			4757.1			70.0