

<b>Table 1</b> <b>General rates, 1999</b>	♂	♀	♂
Incidence (crude rate)	4.3	7.8	1.2
Incidence (world standard)	2.8	5.9	0.6
Incidence (Ukrainian standard)	4.3	9.4	1.0
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	2.4% ~~	2.2% ~~	11.1% ~~
<b>Estimated incidence rate for 2000 (Ukrainian standard)</b>	4.2	9.3	1.0
Mortality (crude rate)	3.6	6.5	1.0
Mortality (world standard)	2.3	4.9	0.5
Mortality (Ukrainian standard)	3.6	7.8	0.8
<b>Estimated mortality rate for 2000 (Ukrainian standard)</b>	3.7	8.1	0.8
Relative 5-year survival rate, %	6.2	5.3	11.1
Median of relative survival (months)	5.1	5.1	5.3
Deaths during the first year of disease (diagnoses of 1999), %	76.2%	77.8%	66.4%
Patients underwent treatment during the first year of disease, %	42.5%	45.2%	26.9%
Microscopically verified diagnoses, %	61.6%	64.0%	47.9%
Probability of developing cancer at the age under 39	0.0% 1 in 53299	0.0% 1 in 31591	0.0% 1 in 166295
Probability of developing cancer at the age 40 – 59	0.1% 1 in 809	0.3% 1 in 386	0.0% 1 in 8011
Probability of developing cancer at the age 60+	0.4% 1 in 262	0.9% 1 in 118	0.2% 1 in 673
Lifetime probability of developing cancer	0.5% 1 in 197	1.1% 1 in 90	0.2% 1 in 619

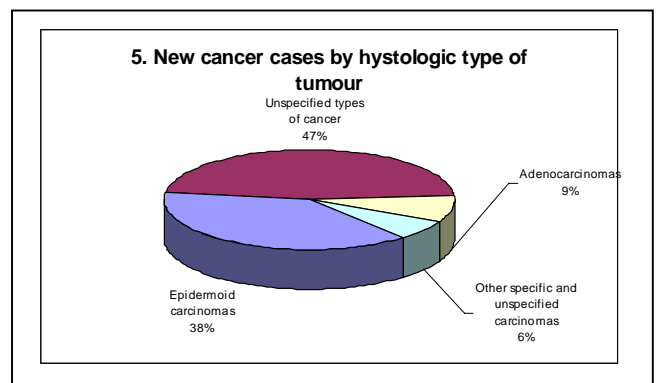


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of deaths for 2000		
	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣	♣♣	♣	♣
Ukraine	4.3	7.8	1.2	4.3	9.4	1.0	0.34	0.74	0.07	2096	1784	312
Vinnitska	6.8	13.3	1.4	6.3	14.6	1.1	0.51	1.12	0.08	106	93	13
Volynska	4.0	7.8	0.5	4.4	10.1	0.5	0.34	0.81	0.02	38	33	5
Dnipropetrovska	3.5	6.4	1.0	3.6	7.8	0.9	0.28	0.60	0.06	122	106	16
Donetska	3.9	6.3	1.8	3.8	7.3	1.5	0.29	0.57	0.09	189	159	30
Zhytomirska	6.3	12.6	0.9	6.2	13.8	0.6	0.53	1.21	0.04	93	81	12
Zakarpatska	2.7	5.3	0.2	3.3	7.5	0.1	0.29	0.67	0.02	33	30	3
Ivano-Frankivska	2.6	4.9	0.5	3.0	6.7	0.5	0.24	0.54	0.04	35	27	8
Kyivska	6.6	12.7	1.4	6.7	15.0	1.1	0.53	1.21	0.06	121	107	14
Kirovogradska	5.9	10.8	1.7	5.6	11.9	1.3	0.47	1.02	0.09	62	48	14
Louganska	3.9	6.9	1.3	3.9	8.8	1.1	0.27	0.60	0.04	79	68	11
Lvivska	3.3	6.2	0.7	3.6	8.1	0.6	0.29	0.64	0.05	87	78	9
Mykolajivska	4.2	7.1	1.7	4.5	8.9	1.6	0.34	0.70	0.09	35	29	6
Odessa	4.2	6.9	1.8	4.4	8.6	1.7	0.35	0.66	0.13	97	80	17
Poltavska	4.7	8.2	1.7	4.3	9.0	1.2	0.35	0.73	0.08	80	72	8
Rivnenska	3.3	6.4	0.5	3.9	9.6	0.4	0.30	0.72	0.03	51	45	6
Soumska	5.4	10.2	1.4	5.1	11.2	0.9	0.42	0.93	0.05	77	70	7
Kharkivska	4.1	7.6	1.2	4.1	9.3	1.0	0.33	0.70	0.08	120	102	18
Khersonska	3.9	7.4	0.8	4.3	10.4	0.7	0.33	0.72	0.06	57	41	16
Khmelnitska	4.9	9.5	1.0	4.7	11.0	0.7	0.39	0.91	0.05	82	74	8
Cherkasska	5.5	10.1	1.8	5.2	11.1	1.2	0.41	0.90	0.07	76	59	17
Chernivetska	3.3	5.2	1.6	3.7	7.0	1.7	0.34	0.68	0.13	31	27	4
Chernigivska	6.6	14.0	0.6	5.9	14.5	0.4	0.47	1.10	0.02	80	70	10
Kyiv city	2.5	4.2	0.9	2.9	5.6	1.0	0.22	0.42	0.07	47	40	7

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	3.6	6.5	1.0	3.6	7.8	0.8	4227.1	4108.4	118.7	1807	1559	248
Vinnitska	5.9	11.6	1.2	5.5	12.7	0.9	328.7	324.8	3.8	96	88	8
Volynska	3.0	5.8	0.5	3.4	7.4	0.5	149.8	149.8	0.0	34	30	4
Dnipropetrovska	2.9	5.1	1.1	3.0	6.2	1.0	226.4	222.4	4.0	127	113	14
Donetska	3.4	5.7	1.5	3.4	6.7	1.3	244.8	236.5	8.3	170	141	29
Zhytomirska	5.0	9.4	1.2	4.9	10.5	0.9	290.9	285.1	5.8	74	67	7
Zakarpatska	2.1	4.0	0.3	2.6	5.7	0.3	100.3	100.3	0.0	28	26	2
Ivano-Frankivska	2.3	4.4	0.5	2.6	5.8	0.4	89.2	89.2	0.0	26	22	4
Kyivska	5.2	10.4	0.6	5.2	12.4	0.5	268.5	268.5	0.0	109	93	16
Kirovogradska	4.3	8.9	0.5	4.1	9.7	0.3	121.8	121.8	0.0	40	34	6
Louganska	3.3	6.0	1.0	3.3	7.4	0.8	167.3	144.8	22.5	80	69	11
Lvivska	1.9	3.7	0.3	2.1	4.6	0.2	186.1	186.1	0.0	83	75	8
Mykolajivska	4.0	6.1	2.1	4.4	8.0	2.0	109.0	92.9	16.1	36	33	3
Odessa	3.7	6.2	1.5	4.0	7.8	1.4	198.9	188.0	10.9	65	53	12
Poltavska	2.7	5.1	0.8	2.5	5.5	0.5	104.7	104.7	0.0	63	60	3
Rivnenska	2.7	5.3	0.3	3.2	7.7	0.3	79.2	79.2	0.0	36	31	5
Soumska	4.7	9.7	0.4	4.5	10.4	0.3	154.6	154.6	0.0	67	59	8
Kharkivska	3.6	6.4	1.2	3.5	8.0	1.0	230.7	221.6	9.1	105	90	15
Khersonska	3.2	6.2	0.6	3.7	8.8	0.5	66.2	66.2	0.0	41	32	9
Khmelnitska	4.7	8.9	1.1	4.5	10.4	0.8	127.1	127.1	0.0	68	61	7
Cherkasska	4.1	7.7	1.1	3.8	8.8	0.8	98.5	96.6	1.9	82	67	15
Chernivetska	3.1	4.8	1.6	3.5	6.1	1.6	63.1	50.9	12.2	22	19	3
Chernigivska	5.7	11.4	1.0	5.0	12.1	0.7	196.6	186.0	10.6	68	63	5
Kyiv city	2.5	4.3	0.9	3.1	6.1	1.0	143.2	143.2	0.0	49	42	7

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	96.7	3.2	0.1	97.3	2.7	97.4	2.0	0.6	98.6	1.4
Vinnitska	100.0	0.0	0.0	97.6	2.4	96.1	1.0	2.9	99.1	0.9
Volynska	97.7	2.3	0.0	97.6	2.4	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	94.2	5.8	0.0	99.2	0.8	97.8	2.2	0.0	99.1	0.9
Donetska	92.5	7.5	0.0	93.3	6.7	93.9	4.9	1.2	98.8	1.2
Zhytomirska	96.9	3.1	0.0	100.0	0.0	96.7	3.3	0.0	98.6	1.4
Zakarpatska	100.0	0.0	0.0	97.1	2.9	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	100.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	100.0	0.0
Kyivska	99.1	0.9	0.0	100.0	0.0	97.0	3.0	0.0	95.8	4.2
Kirovogradska				100.0	0.0				100.0	0.0
Louganska	97.5	1.2	1.2	99.0	1.0	98.7	1.3	0.0	98.9	1.1
Lvivska	93.3	6.7	0.0	95.6	4.4	93.2	6.8	0.0	100.0	0.0
Mykolajivska	98.1	1.9	0.0	96.4	3.6	100.0	0.0	0.0	100.0	0.0
Odessa	99.1	0.9	0.0	94.3	5.7	93.0	7.0	0.0	100.0	0.0
Poltavska				100.0	0.0				100.0	0.0
Rivnenska	98.2	1.8	0.0	97.4	2.6	100.0	0.0	0.0	100.0	0.0
Soumska	98.9	1.1	0.0	98.6	1.4	100.0	0.0	0.0	100.0	0.0
Kharkivska	98.6	1.4	0.0	96.7	3.3	100.0	0.0	0.0	100.0	0.0
Khersonska	97.6	2.4	0.0	93.8	6.3	97.7	2.3	0.0	100.0	0.0
Khmelnitska	97.5	2.5	0.0	100.0	0.0	94.7	0.0	5.3	95.7	4.3
Cherkasska	89.1	10.9	0.0	92.6	7.4	100.0	0.0	0.0	93.3	6.7
Chernivetska	100.0	0.0	0.0	100.0	0.0	100.0	0.0	0.0	96.6	3.4
Chernigivska	97.2	2.8	0.0	97.7	2.3	100.0	0.0	0.0	100.0	0.0
Kyiv city	98.6	1.4	0.0	95.3	4.7	98.0	2.0	0.0	93.8	6.2

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	57.5	42.2	39.2	45.5	46.4	44.6	19.9	15.1	14.4	51.4	38.2	31.7
Vinnitska	37.6	21.5	35.9	56.0	48.8	51.5	5.5	5.8	4.9	46.8	31.4	31.1
Volynska	11.6	7.3	10.8	30.3	21.9	18.9	4.7	14.6	10.8	34.9	9.8	2.7
Dnipropetrovska	42.1	25.4	11.6	39.5	21.5	26.4	14.0	3.1	4.1	2.6	3.1	0.8
Donetska	53.0	42.9	33.7	55.1	58.2	50.0	30.8	20.9	16.3	49.2	31.9	14.0
Zhytomirska	27.4	28.6	32.3	30.6	26.4	30.1	22.6	0.0	4.3	12.9	7.7	4.3
Zakarpatska	31.3	36.4	31.3	53.1	48.5	40.6	40.6	42.4	9.4	43.8	72.7	46.9
Ivano-Frankivska	100.0	78.9	48.6	39.1	42.1	42.9	0.0	7.9	0.0	100.0	92.1	37.1
Kyivska	83.8	65.6	68.6	38.1	27.0	28.9	10.5	3.3	1.7	81.0	54.1	52.1
Kirovogradska		33.3	46.8		78.3	82.3		26.1	21.0		65.2	53.2
Louganska	41.8	29.1	26.9	39.2	41.7	32.1	15.2	25.2	32.1	29.1	7.8	17.9
Lvivska	67.1	65.1	48.2	38.6	57.0	55.4	22.9	14.0	7.2	44.3	40.7	2.4
Mykolajivska	21.6	22.6	38.2	45.1	41.5	44.1	17.6	7.5	11.8	27.5	34.0	38.2
Odessa	27.4	6.1	2.2	28.3	28.3	23.9	0.0	0.0	0.0	3.8	1.0	2.2
Poltavska		77.2	66.3		67.1	65.0		100.0	87.5		43.0	37.5
Rivnenska	50.0	50.0	38.0	38.9	63.2	38.0	18.5	5.3	4.0	70.4	63.2	54.0
Soumska	45.5	31.9	32.9	54.6	58.3	50.0	4.5	0.0	15.8	29.5	26.4	28.9
Kharkivska	91.3	73.1	82.8	50.3	54.6	60.3	5.1	1.7	6.9	100.0	99.2	93.1
Khersonska	78.0	42.2	28.8	56.1	37.8	55.8	9.8	13.3	3.8	34.1	20.0	25.0
Khmelnitska	77.2	47.2	59.8	44.3	68.1	59.8	78.5	0.0	3.7	75.9	76.4	25.6
Cherkasska	91.5	58.1	39.4	65.8	60.8	46.5	6.1	29.7	36.6	54.9	39.2	53.5
Chernivetska	35.7	25.8	16.1	46.4	32.3	29.0	67.9	19.4	0.0	85.7	22.6	12.9
Chernigivska	85.7	22.6	11.5	55.7	42.9	38.5	41.4	20.2	10.3	94.3	19.0	14.1
Kyiv city	79.2	80.3	53.3	31.9	44.3	28.9	38.9	14.8	8.9	91.7	82.0	42.2
AR Krym			51.2			54.7			37.2			86.0
Sevastopol city			0.0			38.9			0.0			11.1

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	77.5	78.3	76.2	10.6	35.7	57.8	2.6%	2.4%	3.2%	28.2%	21.1%	25.0%
Vinnitska	79.4	79.4	84.4	6.6	32.8	59.0	0	2	0	0	0	0
Volynska	78.7	92.9	80.0	7.5	40.0	55.0	2	2	2	0	0	0
Dnipropetrovska		80.8	78.9	11.7	32.8	60.2	1	5	2	0	0	0
Donetska	86.6	76.3	79.6	12.6	38.7	60.2	3	3	5	1	0	0
Zhytomirska	80.5	80.0	80.5	12.6	39.1	70.1	1	0	2	0	0	1
Zakarpatska	90.3	90.6	90.3	16.1	41.9	64.5	0	1	0	0	0	0
Ivano-Frankivska	43.5	63.6	75.7	13.5	43.2	64.9	0	0	0	0	0	0
Kyivska	74.4	81.6	70.8	10.6	32.7	50.4	1	2	2	0	0	0
Kirovogradska			70.6	7.4	39.7	57.4		2	1		1	0
Louganska	83.2	88.3	82.5	14.4	38.1	61.9	2	2	3	0	0	0
Lvivska	77.2	73.3	72.9	7.1	27.1	47.1	1	2	3	1	2	3
Mykolajivska	84.6	86.3	79.6	11.1	40.7	55.6	6	3	2	6	1	2
Odessa	56.7	68.3	70.3	11.9	31.7	54.5	2	3	4	0	0	0
Poltavska			57.0	6.3	22.8	38.0		0	0		0	0
Rivnenska		74.5	86.8	13.2	28.9	63.2	0	0	0	0	0	0
Soumska	82.7	85.6	70.6	1.5	26.5	51.5	2	0	1	0	0	0
Kharkivska	83.1	80.7	80.0	12.5	47.5	70.0	5	4	11	3	3	5
Khersonska	83.7	92.1	69.6	10.9	41.3	52.2	1	0	0	0	0	0
Khmelnitska	77.0	76.5	80.8	9.6	31.5	61.6	4	0	3	0	0	0
Cherkasska	76.6	68.2	73.3	10.7	29.3	54.7	7	4	8	0	0	1
Chernivetska	57.1	85.7	71.0	6.5	38.7	67.7	1	0	3	0	0	1
Chernigivska	80.3	79.4	69.1	16.0	44.4	56.8	0	2	0	0	1	0
Kyiv city	69.7	57.4	76.3	10.2	37.3	54.2	0	1	0	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	58.5	61.6	62.6	3.7	4.7	5.5	22.5	21.4	20.1	42.0	42.5	40.7
Vinnitska	46.8	54.0	63.1	0.0	0.8	3.0	38.5	40.3	36.9	29.4	32.0	35.4
Volynska	72.7	78.6	83.8	4.8	5.0	2.7	27.3	33.3	21.6	52.4	42.5	35.1
Dnipropetrovska	62.8	81.7	75.2	4.2	3.9	5.1	21.5	14.5	19.8	40.8	35.2	41.5
Donetska	40.5	42.6	50.0	6.2	8.9	8.3	19.5	22.6	16.3	44.8	47.1	39.6
Zhytomirska	70.3	74.7	75.3	3.3	16.1	9.1	17.2	16.5	10.8	48.3	41.4	46.6
Zakarpatska	59.4	58.8	65.6	3.1	0.0	3.1	34.4	26.5	18.8	50.0	51.6	31.3
Ivano-Frankivska	82.6	60.5	54.3	0.0	0.0	0.0	21.7	36.8	31.4	45.5	27.0	40.0
Kyivska	72.6	77.9	72.7	1.0	2.7	0.8	22.6	13.9	11.6	52.0	51.3	40.5
Kirovogradska		47.8	33.9		2.9	1.7		30.4	21.0		38.2	28.3
Louganska	63.0	62.5	65.4	0.0	1.0	5.3	16.0	30.8	33.3	42.9	38.1	25.3
Lvivska	64.0	67.8	67.5	4.0	2.4	3.7	28.0	17.8	14.5	37.3	51.8	36.6
Mykolajivska	57.7	60.0	54.3	3.9	13.0	9.1	11.5	20.0	17.1	45.1	50.0	45.5
Odessa	76.6	80.0	79.3	5.9	5.0	7.7	14.0	17.1	19.6	34.7	54.5	59.3
Poltavska		45.6	60.0		3.8	12.7		21.5	32.5		29.1	30.4
Rivnenska	63.6	53.8	62.0	3.6	7.9	6.0	23.6	38.5	20.0	40.0	34.2	52.0
Soumska	51.7	50.7	60.5	2.2	2.9	2.8	44.9	31.5	26.3	51.1	57.4	59.2
Kharkivska	56.8	49.6	43.7	7.4	3.3	3.5	19.4	6.5	10.9	28.9	25.0	24.8
Khersonska	45.2	66.7	59.6	2.6	6.5	10.2	21.4	16.7	34.6	60.5	54.3	28.6
Khmelnitska	37.0	45.8	64.6	4.9	2.7	3.8	12.3	15.3	12.2	38.3	38.4	47.5
Cherkasska	66.7	69.1	79.5	3.4	2.7	5.6	22.6	16.0	21.9	19.3	34.7	44.4
Chernivetska	64.3	77.4	67.7	10.7	12.9	10.0	7.1	19.4	22.6	60.7	58.1	53.3
Chernigivska	45.8	59.3	61.5	0.0	2.5	12.3	33.3	18.6	14.1	42.6	56.8	54.8
Kyiv city	74.0	68.8	80.4	1.5	1.7	7.0	11.0	14.1	8.7	67.6	45.8	53.5
АР Krym			42.0			1.1			21.6			35.6
Sevastopol city			61.1			0.0			27.8			43.8