

Table 1 General rates, 1999	♂	♀	♂
Incidence (crude rate)	30.8	39.9	22.9
Incidence (world standard)	19.0	29.6	12.0
Incidence (Ukrainian standard)	31.2	49.3	20.0
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	-2.50% ↓	-2.76% ~~	-3.38% ~~
Estimated incidence rate for 2000 (Ukrainian standard)	31.4	49.7	20.2
Mortality (crude rate)	25.0	33.3	17.8
Mortality (world standard)	15.2	24.6	9.2
Mortality (Ukrainian standard)	25.3	41.7	15.5
Estimated mortality rate for 2000 (Ukrainian standard)	26.1	42.4	16.2
Relative 5-year survival rate, %	13.2	12.7	13.9
Median of relative survival (months)	5.6	5.5	5.8
Deaths during the first year of disease (diagnoses of 1999), %	66.0%	66.9%	64.5%
Patients underwent treatment during the first year of disease, %	36.0%	37.4%	33.9%
Microscopically verified diagnoses, %	62.6%	65.0%	59.1%
Probability of developing cancer at the age under 39	0.1% 1 in 1687	0.1% 1 in 1438	0.1% 1 in 2023
Probability of developing cancer at the age 40 – 59	0.7% 1 in 148	1.0% 1 in 98	0.4% 1 in 251
Probability of developing cancer at the age 60+	3.0% 1 in 33	5.0% 1 in 20	2.1% 1 in 48
Lifetime probability of developing cancer	3.8% 1 in 27	6.1% 1 in 17	2.5% 1 in 39

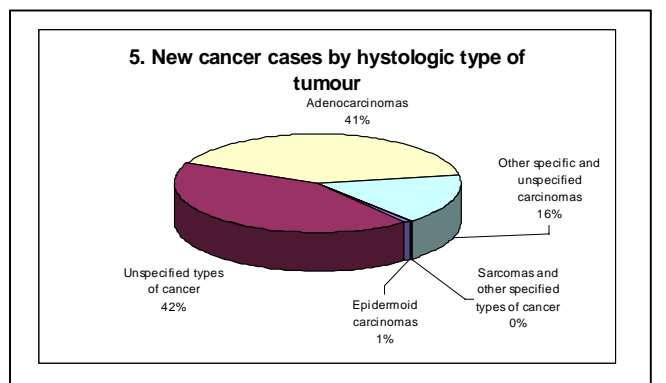


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣
Ukraine	30.8	39.9	22.9	31.2	49.3	20.0	2.35	3.68	1.46	15529	9349	6180
Vinnitska	35.6	47.5	25.7	32.6	53.4	20.3	2.58	4.17	1.57	588	376	212
Volynska	24.2	33.2	16.1	25.6	42.0	14.6	2.04	3.61	1.00	277	173	104
Dnipropetrovska	28.7	37.0	21.5	29.3	45.9	19.3	2.18	3.24	1.44	1034	615	419
Donetska	31.4	41.3	23.0	30.8	49.3	19.6	2.22	3.56	1.31	1569	936	633
Zhytomirska	35.9	45.5	27.6	34.2	53.5	22.6	2.58	3.95	1.66	462	276	186
Zakarpatska	20.7	30.6	11.5	26.0	46.0	12.6	1.92	3.44	0.86	273	180	93
Ivano-Frankivska	25.0	33.2	17.6	27.6	44.8	16.6	2.22	3.59	1.29	355	206	149
Kyivska	37.7	49.1	27.9	37.4	61.5	23.7	2.78	4.35	1.74	703	430	273
Kirovogradska	35.9	46.1	27.3	34.2	55.0	21.9	2.64	4.07	1.69	416	250	166
Louganska	30.8	41.3	21.8	30.4	49.3	19.0	2.28	3.65	1.35	766	445	321
Lvivska	21.4	29.5	14.1	23.0	37.9	12.9	1.79	2.99	0.94	633	382	251
Mykolajivska	28.2	35.5	21.9	30.3	46.7	20.6	2.30	3.60	1.46	303	184	119
Odessa	24.9	30.1	20.4	26.6	39.1	19.0	2.05	2.91	1.48	624	351	273
Poltavska	40.3	49.9	32.3	36.9	56.1	24.7	2.77	4.15	1.81	616	371	245
Rivnenska	25.2	33.5	17.6	28.7	46.3	17.4	2.28	3.69	1.31	295	178	117
Soumska	44.8	59.5	32.4	41.6	67.3	25.9	3.26	5.15	1.97	560	329	231
Kharkivska	29.9	39.3	21.8	29.6	47.8	18.7	2.26	3.54	1.39	803	461	342
Khersonska	31.3	38.9	24.5	35.4	56.2	23.9	2.53	4.08	1.55	329	178	151
Khmelnitska	38.1	49.2	28.6	35.6	57.9	22.3	2.67	4.20	1.66	564	329	235
Cherkasska	36.2	45.7	28.4	33.3	50.9	22.3	2.50	3.93	1.56	549	337	212
Chernivetska	26.2	35.3	18.2	28.4	45.2	18.5	2.34	3.73	1.48	248	152	96
Chernigivska	39.7	50.9	30.5	33.3	52.7	21.9	2.55	3.87	1.68	531	309	222
Kyiv city	26.8	31.7	22.6	32.8	45.4	24.4	2.31	3.23	1.65	678	388	290

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	25.0	33.3	17.8	25.3	41.7	15.5	27392.0	20040.7	7351.2	12877	7872	5005
Vinnitska	29.0	38.6	20.9	26.5	43.2	16.5	1210.7	938.4	272.3	494	340	154
Volynska	18.6	26.7	11.3	19.6	34.2	10.1	308.0	279.3	28.8	229	145	84
Dnipropetrovska	25.4	34.0	18.0	25.9	42.6	16.1	2300.8	1630.8	670.0	891	550	341
Donetska	26.1	34.6	18.9	25.7	42.3	16.1	2653.8	1990.1	663.8	1341	778	563
Zhytomirska	28.0	37.8	19.5	26.6	44.6	16.2	973.1	618.1	355.0	382	231	151
Zakarpatska	16.8	24.5	9.7	21.0	36.4	10.5	754.4	527.2	227.3	204	140	64
Ivano-Frankivska	19.2	26.5	12.7	21.1	35.8	11.9	561.2	436.8	124.3	256	168	88
Kyivska	32.4	41.6	24.5	32.2	53.3	20.5	1121.7	794.3	327.3	563	341	222
Kirovogradska	24.0	31.9	17.2	22.8	38.1	13.7	509.7	361.7	148.0	344	216	128
Louganska	28.5	37.3	20.8	28.3	46.2	18.2	1726.7	1124.5	602.2	686	424	262
Lvivska	15.9	22.0	10.4	17.0	28.4	9.5	1025.3	777.5	247.8	476	296	180
Mykolajivska	22.9	33.0	14.2	24.9	44.5	13.4	636.6	494.3	142.3	268	168	100
Odessa	20.9	27.0	15.5	22.5	35.6	14.5	1228.1	996.0	232.1	462	268	194
Poltavska	27.7	37.5	19.4	25.2	42.6	14.9	940.1	696.2	243.9	434	256	178
Rivnenska	18.8	26.6	11.8	21.5	37.7	11.7	502.6	342.6	160.0	234	143	91
Soumska	37.4	49.6	27.0	34.4	56.6	21.3	1106.5	821.6	284.9	475	286	189
Kharkivska	25.3	32.4	19.3	25.1	39.9	16.4	1743.3	1303.8	439.5	662	401	261
Khersonska	26.4	35.8	18.1	29.9	51.9	17.6	685.0	554.7	130.3	280	163	117
Khmelnitska	31.3	44.0	20.5	29.4	52.1	15.9	853.2	632.2	221.0	438	259	179
Cherkasska	25.3	31.7	20.0	23.2	35.1	15.8	841.7	595.3	246.3	430	264	166
Chernivetska	19.5	26.9	13.0	21.1	35.7	12.4	477.3	313.3	164.0	208	123	85
Chernigivska	33.9	45.4	24.5	27.9	47.1	17.0	726.5	571.1	155.4	447	262	185
Kyiv city	21.3	26.6	16.6	26.4	40.2	17.8	1383.2	956.5	426.7	525	304	221

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	95.4	4.0	0.6	96.5	3.5	97.6	1.8	0.6	98.6	1.4
Vinnitska	98.7	1.1	0.2	99.2	0.8	97.5	0.8	1.7	98.3	1.7
Volynska	97.2	2.5	0.4	96.1	3.9	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	93.7	5.9	0.4	96.6	3.4	98.2	1.4	0.4	99.4	0.6
Donetska	94.9	4.7	0.4	95.5	4.5	97.0	2.2	0.8	99.1	0.9
Zhytomirska	94.4	4.6	1.0	97.9	2.1	96.7	3.3	0.0	98.5	1.5
Zakarpatska	97.3	1.3	1.3	97.4	2.6	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	98.8	1.2	0.0	97.8	2.2	99.6	0.0	0.4	100.0	0.0
Kyivska	98.2	1.7	0.1	98.6	1.4	97.0	2.4	0.6	97.5	2.5
Kirovogradska				99.8	0.2				100.0	0.0
Louganska	97.1	2.4	0.5	97.2	2.8	98.0	1.2	0.7	97.5	2.5
Lvivska	94.9	4.5	0.6	93.3	6.7	93.7	5.9	0.4	98.4	1.6
Mykolajivska	94.4	4.5	1.1	96.5	3.5	99.0	0.7	0.3	99.3	0.7
Odessa	94.8	4.9	0.3	95.8	4.2	93.9	5.9	0.2	98.9	1.1
Poltavska				98.8	1.2				99.6	0.4
Rivnenska	98.7	1.3	0.0	98.7	1.3	100.0	0.0	0.0	100.0	0.0
Soumska	96.1	3.3	0.7	97.2	2.8	98.5	1.0	0.4	99.4	0.6
Kharkivska	96.8	2.4	0.7	96.0	4.0	100.0	0.0	0.0	100.0	0.0
Khersonska	91.2	8.5	0.3	94.8	5.2	100.0	0.0	0.0	100.0	0.0
Khmelnitska	96.4	2.7	1.0	98.7	1.3	96.5	1.5	2.0	97.2	2.8
Cherkasska	87.9	11.6	0.5	90.2	9.8	99.2	0.8	0.0	94.0	6.0
Chernivetska	100.0	0.0	0.0	99.6	0.4	95.7	0.5	3.7	99.5	0.5
Chernigivska	95.8	2.6	1.5	95.9	4.1	100.0	0.0	0.0	100.0	0.0
Kyiv city	94.1	5.0	1.0	92.5	7.5	95.2	3.4	1.4	94.2	5.8

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	72.0	59.8	57.5	43.2	45.0	43.3	22.0	19.1	15.3	53.2	41.3	33.5
Vinnitska	86.5	84.9	77.9	59.0	54.3	53.0	6.8	13.4	6.0	51.7	43.5	39.6
Volynska	32.2	3.6	7.1	35.7	23.1	14.2	6.5	9.7	6.4	28.9	9.3	5.2
Dnipropetrovska	69.7	30.8	15.2	37.0	28.6	25.6	18.8	6.8	2.7	4.3	1.8	1.6
Donetska	53.2	40.2	37.0	50.1	48.5	46.5	29.4	29.4	16.7	46.9	28.1	15.3
Zhytomirska	60.2	55.0	64.0	33.2	34.9	26.7	28.7	2.6	3.1	15.8	11.5	6.6
Zakarpatska	62.8	54.7	80.9	50.5	43.4	48.3	49.5	51.6	7.9	61.0	76.0	60.7
Ivano-Frankivska	99.7	78.0	76.9	53.2	27.7	47.3	1.8	4.2	0.0	100.0	91.2	32.9
Kyivska	96.3	85.8	88.0	33.9	25.1	20.6	10.4	6.3	0.7	81.0	60.6	51.9
Kirovogradska		57.1	54.5		79.0	78.3		19.0	22.4		49.8	44.6
Louganska	72.9	52.1	46.8	39.5	34.0	38.0	15.3	22.7	21.2	29.5	12.1	16.5
Lvivska	72.4	65.2	59.0	37.4	56.2	52.3	16.8	7.2	4.2	56.6	48.8	5.2
Mykolajivska	52.2	44.1	35.8	43.6	38.5	42.3	19.9	0.8	3.1	40.4	34.6	24.9
Odessa	26.9	16.3	8.5	22.0	20.0	15.0	0.7	0.2	0.0	5.0	0.5	0.3
Poltavska		95.4	94.1		69.1	68.6		99.7	91.4		46.4	46.5
Rivnenska	78.7	74.8	72.5	44.6	46.2	55.7	16.2	1.0	1.4	70.4	54.1	58.1
Soumska	46.4	45.3	43.8	42.5	49.3	53.3	8.7	0.9	17.8	38.3	35.3	36.2
Kharkivska	92.8	90.0	95.6	56.9	60.9	59.7	11.3	9.1	11.1	100.0	99.6	92.5
Khersonska	96.5	87.4	80.8	32.9	44.5	52.4	29.4	33.1	4.5	41.0	36.6	30.4
Khmelnitska	90.3	72.6	72.2	40.2	74.1	57.8	60.2	6.0	3.8	76.1	76.6	27.3
Cherkasska	100.0	94.7	88.0	70.2	59.4	48.6	3.6	41.4	30.8	56.5	54.2	49.2
Chernivetska	47.0	28.6	23.1	34.5	27.3	40.1	64.2	26.9	1.6	90.9	33.9	33.6
Chernigivska	91.7	32.7	28.6	47.2	42.4	37.3	48.3	22.4	13.5	93.5	27.1	13.9
Kyiv city	86.9	81.9	84.0	33.4	34.0	26.9	50.9	13.6	22.0	92.1	67.6	57.3
AR Krym			82.7			48.8			41.6			87.7
Sevastopol city			3.9			21.6			0.0			17.0

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	68.3	67.3	66.0	12.5	33.9	52.1	4.3%	3.6%	3.7%	30.0%	26.9%	25.3%
Vinnitska	65.3	70.7	66.4	8.0	27.7	46.3	7	6	13	1	2	8
Volynska	68.2	68.0	58.6	10.4	26.5	42.6	18	8	14	0	1	0
Dnipropetrovska		70.5	72.8	15.5	38.4	57.5	37	46	37	6	8	2
Donetska	72.7	67.5	69.5	12.8	36.0	54.2	44	39	38	3	1	1
Zhytomirska	71.8	71.3	67.2	11.5	32.4	52.5	8	8	8	0	0	2
Zakarpatska	72.7	75.8	68.0	15.8	35.5	54.8	3	10	1	0	3	1
Ivano-Frankivska	62.3	64.4	59.6	8.1	29.2	47.8	1	2	2	0	0	0
Kyivska	64.1	65.4	68.1	12.7	36.8	54.4	12	19	14	0	8	3
Kirovogradska			61.6	9.1	34.4	48.4		6	9		1	0
Louganska	78.5	75.2	73.0	17.7	41.8	60.9	20	13	10	0	0	0
Lvivska	66.5	64.1	62.3	8.1	22.2	46.8	8	13	5	5	12	2
Mykolajivska	69.7	68.4	67.7	11.2	36.8	52.8	38	6	9	23	1	3
Odeska	56.0	54.1	60.7	13.9	35.8	50.6	14	21	18	0	0	1
Poltavska			58.1	6.7	27.7	48.0		1	1		0	0
Rivnenska		67.4	69.8	10.5	28.5	50.5	2	1	4	0	0	4
Soumska	69.2	63.5	67.1	8.7	31.9	50.9	6	8	4	1	0	0
Kharkivska	73.9	75.1	69.9	19.0	39.1	56.6	138	80	84	78	42	44
Khersonska	70.6	70.9	69.6	16.3	36.4	56.0	8	9	9	0	1	0
Khmelnitska	68.8	66.4	63.0	12.5	31.3	49.8	21	27	21	3	0	0
Cherkasska	65.6	66.9	60.8	11.8	30.1	49.1	30	35	44	0	11	3
Chernivetska	60.8	57.6	65.0	11.1	33.7	52.7	0	2	1	0	0	0
Chernigivska	68.3	66.8	65.8	19.5	43.5	55.1	19	22	26	14	15	20
Kyiv city	61.1	58.4	55.6	8.9	28.6	42.5	13	12	11	0	0	0
АР Крим									15			4
м.Севастополь									9			5

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	61.3	62.6	64.5	5.4	5.6	6.1	35.4	35.4	35.3	36.3	36.0	34.3
Vinnitska	42.0	46.6	60.9	2.6	3.3	2.6	47.3	43.7	42.4	25.2	22.0	25.5
Volynska	65.6	77.8	85.4	3.6	4.8	5.4	47.4	38.9	43.1	35.3	43.0	28.7
Dnipropetrovska	66.1	72.1	75.6	3.8	5.2	4.6	36.1	38.3	33.7	32.6	33.5	32.7
Donetska	49.9	51.9	54.1	7.7	8.2	8.5	39.7	36.5	35.5	43.3	36.3	33.2
Zhytomirska	68.1	67.2	74.4	11.2	13.5	14.0	35.2	30.4	27.2	39.3	34.0	35.6
Zakarpatska	58.9	64.2	57.7	4.9	1.2	5.3	50.4	48.3	41.6	33.2	37.8	26.6
Ivano-Frankivska	72.7	73.5	60.2	0.9	1.7	2.4	27.9	37.0	42.9	33.7	35.1	35.3
Kyivska	71.5	78.8	77.3	4.1	3.4	1.8	28.3	25.6	27.7	44.2	43.2	39.6
Kirovogradska		40.9	47.7		3.8	2.2		43.9	35.7		31.5	27.0
Louganska	63.1	67.8	64.7	2.6	2.3	6.3	31.5	45.4	45.1	34.2	31.4	28.6
Lvivska	66.2	64.3	68.1	5.1	1.8	2.3	32.2	31.4	29.7	34.9	34.7	36.8
Mykolajivska	57.1	61.8	57.4	13.6	32.0	29.6	38.7	45.0	40.9	37.4	44.1	30.7
Odeska	74.0	82.9	84.8	7.4	5.4	3.9	27.2	31.5	34.4	37.6	58.6	58.2
Poltavska		47.3	54.6		6.1	10.1		29.1	32.4		22.9	22.6
Rivnenska	57.5	66.8	69.1	7.0	5.4	5.2	42.5	45.0	49.8	24.1	32.2	28.9
Soumska	64.6	59.9	64.9	2.1	3.1	3.9	39.4	37.7	32.7	40.9	38.2	36.3
Kharkivska	47.1	48.6	47.2	6.5	4.6	7.6	25.2	20.2	20.0	21.2	27.0	28.2
Khersonska	60.9	65.8	66.8	6.8	4.3	6.0	50.3	47.4	57.2	32.2	35.6	30.2
Khmelnitska	47.3	53.0	51.7	3.1	2.9	2.8	26.0	27.0	29.3	36.9	35.0	33.8
Cherkasska	67.7	66.7	76.3	6.0	3.9	10.0	40.3	33.8	39.2	24.3	29.7	37.8
Chernivetska	75.9	76.4	66.8	11.8	10.3	7.8	30.2	32.9	34.0	51.1	45.3	34.8
Chernigivska	61.6	59.1	64.1	2.5	1.4	6.1	42.9	43.2	43.7	51.6	47.5	51.1
Kyiv city	75.9	78.0	80.7	4.1	5.3	8.6	28.2	27.7	30.6	47.2	47.0	42.9
АР Krym			51.0			0.6			32.8			29.0
Sevastopol city			80.4			0.0			44.4			40.1