



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	8.0	9.2	6.9	8.0	10.8	6.4	0.64	0.83	0.51	4019	2165	1854
Vinnitska	7.6	9.9	5.6	7.2	10.7	5.1	0.57	0.85	0.40	143	77	66
Volynska	7.9	9.6	6.4	8.5	12.6	6.2	0.64	0.96	0.45	89	51	38
Dnipropetrovska	8.5	9.4	7.7	8.6	10.6	7.3	0.69	0.88	0.56	304	164	140
Donetska	7.9	9.1	6.8	7.8	10.6	6.2	0.61	0.81	0.49	347	169	178
Zhytomirska	8.5	10.5	6.8	8.4	11.7	6.2	0.68	0.89	0.52	118	63	55
Zakarpatska	4.2	5.2	3.3	4.7	6.0	3.6	0.37	0.54	0.24	70	29	41
Ivano-Frankivska	6.5	7.7	5.4	6.7	9.1	5.2	0.54	0.73	0.42	121	62	59
Kyivska	10.0	9.4	10.6	10.0	10.7	9.6	0.82	0.86	0.80	152	77	75
Kirovogradska	8.4	9.1	7.7	8.1	9.8	6.6	0.63	0.76	0.51	109	57	52
Louganska	7.1	8.2	6.2	7.0	8.9	5.5	0.56	0.69	0.44	215	117	98
Lvivska	7.1	7.4	6.8	7.4	9.1	6.5	0.60	0.69	0.54	163	96	67
Mykolajivska	8.4	10.2	6.9	8.9	12.4	6.6	0.74	0.97	0.56	97	60	37
Odessa	5.5	5.7	5.3	5.8	6.9	5.1	0.47	0.55	0.42	178	109	69
Poltavska	8.7	10.4	7.3	8.3	11.5	6.5	0.67	0.91	0.51	138	63	75
Rivnenska	8.1	11.5	5.0	8.8	15.1	4.7	0.71	1.14	0.41	77	47	30
Soumska	8.7	11.3	6.4	8.2	12.3	5.3	0.66	0.95	0.44	124	70	54
Kharkivska	8.5	10.7	6.5	8.4	12.9	6.0	0.65	0.95	0.47	236	131	105
Khersonska	7.6	10.0	5.5	8.2	13.1	5.4	0.66	0.98	0.46	89	50	39
Khmelnitska	10.2	12.1	8.6	10.0	13.4	8.1	0.80	1.01	0.66	182	89	93
Cherkasska	10.6	12.4	9.0	10.1	13.4	8.4	0.82	1.13	0.66	148	71	77
Chernivetska	8.5	9.6	7.6	8.9	12.0	7.2	0.67	0.86	0.55	57	26	31
Chernigivska	8.1	8.2	8.0	7.4	8.5	7.0	0.59	0.65	0.55	138	75	63
Kyiv city	7.9	8.8	7.2	9.3	12.3	7.7	0.67	0.85	0.55	200	98	102

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	5.6	6.6	4.7	5.6	7.9	4.3	21672	13460	8211	2743	1496	1247
Vinnitska	5.9	8.7	3.5	5.6	9.6	3.2	841.3	615.9	225.3	93	44	49
Volynska	5.7	7.4	4.1	5.9	9.1	3.9	480.7	379.7	101.0	64	36	28
Dnipropetrovska	6.5	7.6	5.6	6.7	9.3	5.2	1330.6	812.5	518.1	215	124	91
Donetska	5.9	6.6	5.3	5.8	7.8	4.8	2170.3	1220.3	950.1	261	138	123
Zhytomirska	6.1	8.1	4.4	6.1	9.1	4.0	703.3	516.4	186.9	87	48	39
Zakarpatska	3.6	3.7	3.5	4.1	4.2	3.8	598.3	421.1	177.3	65	31	34
Ivano-Frankivska	4.3	4.8	3.8	4.5	5.8	3.8	742.6	446.4	296.2	81	33	48
Kyivska	5.7	6.1	5.5	5.7	7.4	4.8	515.8	299.8	216.0	98	44	54
Kirovogradska	5.7	6.5	5.0	5.5	7.8	4.4	482.8	346.8	136.1	81	47	34
Louganska	5.4	6.2	4.7	5.3	7.1	4.2	1020.6	671.5	349.1	138	85	53
Lvivska	4.1	4.3	4.0	4.4	5.0	3.9	1225.1	710.3	514.8	112	68	44
Mykolajivska	5.4	6.6	4.4	5.8	8.3	4.3	586.3	297.3	289.0	70	40	30
Odessa	4.4	4.5	4.3	4.6	5.4	4.1	1250.2	742.2	508.0	123	64	59
Poltavska	5.7	5.8	5.7	5.4	6.7	5.0	468.2	252.4	215.8	97	51	46
Rivnenska	4.0	5.8	2.3	4.3	8.1	2.1	472.6	237.6	235.0	50	31	19
Soumska	6.4	8.3	4.9	6.0	9.0	4.0	587.3	389.3	198.0	87	51	36
Kharkivska	5.9	7.4	4.7	5.9	9.0	4.3	1053.8	644.0	409.8	159	85	74
Khersonska	6.2	7.6	4.9	6.7	10.4	4.8	680.9	471.4	209.5	76	47	29
Khmelnitska	7.0	9.7	4.7	6.6	11.1	4.0	1103.2	678.7	424.5	107	45	62
Cherkasska	4.2	5.4	3.3	4.0	5.9	3.1	579.1	377.7	201.4	93	52	41
Chernivetska	5.6	6.6	4.8	6.1	8.2	4.9	523.3	232.5	290.8	42	23	19
Chernigivska	6.4	7.9	5.2	5.8	7.9	4.5	791.3	557.8	233.4	81	35	46
Kyiv city	6.1	7.1	5.2	7.3	10.3	5.5	994.4	604.5	389.9	153	67	86

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	94.4	4.6	1.0	96.3	3.7	95.6	3.6	0.8	97.9	2.1
Vinnitska	100.0	0.0	0.0	98.6	1.4	96.3	2.8	0.9	98.1	1.9
Volynska	96.7	3.3	0.0	98.8	1.2	100.0	0.0	0.0	100.0	0.0
Dnipropetrovska	86.6	12.5	0.9	95.0	5.0	97.1	2.9	0.0	97.5	2.5
Donetska	91.0	7.2	1.8	96.7	3.3	96.9	2.3	0.8	98.6	1.4
Zhytomirska	96.4	2.9	0.7	97.5	2.5	94.3	5.7	0.0	95.5	4.5
Zakarpatska	95.7	2.9	1.4	96.3	3.7	94.4	5.6	0.0	100.0	0.0
Ivano-Frankivska	100.0	0.0	0.0	98.9	1.1	98.4	0.0	1.6	100.0	0.0
Kyivska	95.2	3.2	1.6	98.4	1.6	91.1	7.6	1.3	97.2	2.8
Kirovogradska				99.0	1.0				100.0	0.0
Louganska	90.5	8.1	1.4	95.8	4.2	93.7	5.1	1.1	94.4	5.6
Lvivska	92.5	6.8	0.6	94.8	5.2	87.5	11.6	0.9	99.1	0.9
Mykolajivska	98.1	1.0	1.0	94.5	5.5	100.0	0.0	0.0	100.0	0.0
Odessa	93.2	6.8	0.0	95.7	4.3	94.2	5.8	0.0	99.1	0.9
Poltavska				97.3	2.7				100.0	0.0
Rivnenska	97.8	1.1	1.1	99.0	1.0	100.0	0.0	0.0	100.0	0.0
Soumska	96.3	2.8	0.9	94.0	6.0	97.9	1.1	1.1	98.9	1.1
Kharkivska	97.6	2.4	0.0	98.4	1.6	99.5	0.5	0.0	100.0	0.0
Khersonska	94.1	5.0	1.0	95.7	4.3	100.0	0.0	0.0	100.0	0.0
Khmelnitska	98.4	1.1	0.5	100.0	0.0	91.3	7.0	1.7	97.1	2.9
Cherkasska	94.3	5.0	0.7	87.0	13.0	98.5	1.5	0.0	85.5	14.5
Chernivetska	100.0	0.0	0.0	100.0	0.0	91.1	4.4	4.4	98.1	1.9
Chernigivska	96.8	1.6	1.6	99.0	1.0	100.0	0.0	0.0	100.0	0.0
Kyiv city	96.0	1.1	2.8	91.7	8.3	90.0	6.4	3.6	94.9	5.1

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	15.6	1.4	0.2	13.6	0.6	0.0				60.4	49.8	42.5
Vinnitska	20.5	0.0	0.0	30.8	0.0	0.0				86.5	91.2	83.0
Volynska	80.7	8.4	0.0	67.0	0.0	0.0				14.8	3.6	10.2
Dnipropetrovska	0.7	0.3	0.0	0.3	0.0	0.0				8.2	4.3	3.4
Donetska	12.4	1.8	1.8	2.8	0.0	0.0				68.8	43.3	24.4
Zhytomirska	0.8	0.0	0.0	0.0	0.0	0.0				23.3	6.7	5.2
Zakarpatska	0.0	0.0	0.0	10.6	0.0	0.0				77.3	46.2	74.6
Ivano-Frankivska	83.3	1.1	0.0	82.1	1.1	0.0				94.0	86.0	24.2
Kyivska	32.2	4.9	0.0	18.1	0.0	0.0				72.3	50.5	45.3
Kirovogradska		0.0	0.0		0.0	0.0					80.4	79.6
Louganska	0.0	0.0	0.0	0.0	0.0	0.0				25.8	13.3	17.9
Lvivska	0.0	0.0	0.0	0.0	0.0	0.0				88.6	76.4	6.5
Mykolajivska	14.9	3.8	0.0	0.0	0.0	0.0				33.7	39.4	50.0
Odessa	1.8	1.5	0.0	4.8	0.8	0.0				7.9	0.8	1.2
Poltavska		0.0	0.0		0.0	0.0					44.1	54.8
Rivnenska	1.1	1.1	0.0	0.0	0.0	0.0				78.2	74.7	82.9
Soumska	5.8	0.0	0.0	4.8	0.0	0.0				82.9	76.4	77.8
Kharkivska	40.0	0.0	0.0	36.2	0.4	0.0				93.3	94.8	89.2
Khersonska	2.1	0.0	0.0	9.5	0.0	0.0				75.8	40.0	44.7
Khmelnitska	1.1	0.0	0.0	2.2	0.0	0.0				80.9	86.0	36.3
Cherkasska	69.7	12.7	0.0	68.2	11.9	0.0				37.9	31.3	22.9
Chernivetska	0.0	0.0	0.0	0.0	0.0	0.0				93.0	68.8	52.6
Chernigivska	0.0	0.0	0.0	1.7	0.0	0.0				90.9	19.2	13.1
Kyiv city	0.6	0.0	0.0	0.0	0.0	0.0				92.9	84.7	68.1
AR Krym			0.0			0.0						93.6
Sevastopol city			0.0			0.0						91.2

non-applicable

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	46.4	42.3	44.2	14.4	27.8	36.2	3.9%	3.9%	3.8%	27.6%	21.9%	16.0%
Vinnitska	45.7	47.4	46.6	9.0	21.1	34.6	4	0	0	0	0	0
Volynska	45.5	44.9	42.2	10.8	26.5	34.9	1	0	0	0	0	0
Dnipropetrovska		40.9	47.7	21.2	35.4	44.4	8	29	16	0	0	0
Donetska	55.4	47.0	52.5	16.1	33.5	43.8	8	11	8	1	1	1
Zhytomirska	45.7	37.8	34.2	8.5	22.2	27.4	1	2	3	0	0	1
Zakarpatska	61.4	47.1	60.4	22.6	35.8	45.3	1	2	3	1	2	0
Ivano-Frankivska	45.4	49.4	47.9	13.8	27.7	37.2	0	0	0	0	0	0
Kyivska	40.5	26.5	30.5	6.2	17.5	21.5	2	3	4	1	0	0
Kirovogradska			40.0	13.7	26.3	32.6		0	2		0	0
Louganska	59.2	52.0	46.4	22.4	36.1	42.6	1	3	3	0	0	0
Lvivska	49.7	52.6	50.0	9.8	19.0	37.5	2	7	2	2	4	1
Mykolajivska	38.2	41.4	42.5	16.0	32.1	34.0	9	3	9	7	0	4
Odesska	37.4	41.5	43.3	7.5	23.1	31.3	2	2	10	0	0	1
Poltavska			54.6	19.1	31.9	44.7		3	1		0	0
Rivnenska		32.6	35.1	13.8	20.2	25.5	1	2	0	0	2	0
Soumska	44.1	44.8	39.1	12.2	24.3	30.4	1	1	2	1	0	0
Kharkivska	45.2	44.7	44.5	16.7	27.8	34.3	28	13	12	11	8	6
Khersonska	35.1	41.6	51.6	16.5	31.9	41.8	3	1	0	0	0	0
Khmelnitska	43.8	40.7	36.2	15.4	22.8	29.5	10	5	7	0	0	0
Cherkasska	37.0	30.7	31.3	9.3	18.0	26.0	4	5	5	0	2	0
Chernivetska	36.9	41.8	39.7	17.9	30.8	35.9	0	1	1	0	0	0
Chernigivska	46.6	38.7	41.7	21.4	35.9	38.8	1	3	2	0	2	0
Kyiv city	46.9	39.4	44.8	8.2	29.9	39.2	0	0	1	0	0	0
АР Крим										3		1
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	93.5	94.6	92.5	5.4	7.3	6.0	non-applicable				65.3	61.4	62.1
Vinnitska	99.4	100.0	100.0	0.7	0.8	2.9					83.6	82.0	86.9
Volynska	98.9	98.8	98.9	6.7	8.4	4.8					68.5	62.7	61.4
Dnipropetrovska	99.1	99.1	100.0	9.2	9.9	7.9					73.0	67.2	65.3
Donetska	96.2	92.1	100.0	13.9	21.6	17.3					64.8	53.3	48.6
Zhytomirska	81.2	47.5	2.6	5.2	6.0	2.6					59.3	69.2	64.9
Zakarpatska	100.0	94.4	100.0	4.3	7.5	1.5					30.0	37.7	25.8
Ivano-Frankivska	94.0	100.0	95.0	7.4	1.1	5.2					46.9	80.9	74.1
Kyivska	83.9	90.3	90.0	1.7	5.1	11.6					78.5	77.4	78.9
Kirovogradska		93.9	76.9		6.3	8.5						55.8	56.6
Louganska	100.0	100.0	100.0	1.0	1.1	2.0					48.0	63.4	51.2
Lvivska	98.1	96.4	96.1	6.4	6.0	3.3					73.1	73.9	84.2
Mykolajivska	97.1	94.5	95.7	0.0	8.5	14.8					42.4	23.6	35.2
Odesska	89.3	92.0	79.9	5.7	1.5	3.7					71.6	73.9	72.6
Poltavska		85.7	100.0		11.3	6.1						11.3	10.6
Rivnenska	98.9	99.0	100.0	5.6	5.3	0.0					60.7	68.1	85.5
Soumska	100.0	100.0	100.0	2.9	2.6	5.3					74.3	76.5	79.8
Kharkivska	61.8	94.8	97.9	4.3	8.2	4.8					46.0	40.8	44.3
Khersonska	100.0	98.9	100.0	0.0	0.0	14.3					72.3	46.2	60.7
Khmelnitska	100.0	100.0	100.0	2.7	0.7	0.6					83.5	83.2	72.2
Cherkasska	97.1	96.8	92.8	1.5	1.3	3.8				28.5	52.0	74.2	
Chernivetska	100.0	100.0	100.0	16.4	19.2	10.5				50.7	53.8	49.1	
Chernigivska	99.2	100.0	100.0	1.6	1.9	3.0				92.7	83.5	78.9	
Kyiv city	93.8	100.0	100.0	4.7	7.2	4.4				82.9	71.1	74.0	
AR Krym			75.6			1.4						50.9	
Sevastopol city			96.5			1.8						78.2	