

Table 1 General rates, 1999	↓	↓	↓
Incidence (crude rate)	43.7	77.7	14.2
Incidence (world standard)	27.3	57.6	7.3
Incidence (Ukrainian standard)	44.1	95.3	12.2
Incidence rate of 1999 in comparison with 1998 (Ukrainian standard), %	-0.83% ~~	-0.89% ~~	0.16% ~~
Estimated incidence rate for 2000 (Ukrainian standard)	43.8	94.5	12.0
Mortality (crude rate)	35.9	65.3	10.4
Mortality (world standard)	22.3	48.2	5.3
Mortality (Ukrainian standard)	36.1	80.3	8.9
Estimated mortality rate for 2000 (Ukrainian standard)	37.0	82.0	9.0
Relative 5-year survival rate, %	9.1	7.9	15.4
Median of relative survival (months)	5.6	5.5	6.1
Deaths during the first year of disease (diagnoses of 1999), %	68.8%	70.4%	61.1%
Patients underwent treatment during the first year of disease, %	31.2%	32.4%	25.4%
Microscopically verified diagnoses, %	40.1%	40.9%	36.4%
Probability of developing cancer at the age under 39	0.1% 1 in 1850	0.1% 1 in 1691	0.0% 1 in 3471
Probability of developing cancer at the age 40 – 59	1.0% 1 in 97	2.0% 1 in 51	0.2% 1 in 450
Probability of developing cancer at the age 60+	3.5% 1 in 29	9.1% 1 in 11	1.4% 1 in 73
Lifetime probability of developing cancer	4.5% 1 in 22	11.0% 1 in 9	1.6% 1 in 62

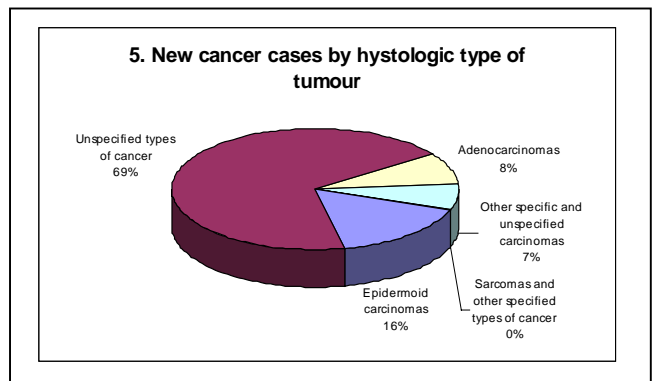


Table 2 Incidence, 1999	Crude incidence rate per 100, 000			Age-standardised incidence rate (Ukrainian standard 2000)			Cumulative risk of developing cancer at the age up to 75,%			Estimated number of cases for 2000		
	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣	♣♣	♣	♣♣
Ukraine	43.7	77.7	14.2	44.1	95.3	12.2	3.52	7.30	0.91	21641	17946	3695
Vinnitska	44.6	75.1	19.1	40.8	83.9	14.5	3.22	6.32	1.12	815	620	195
Volynska	31.5	59.7	6.1	34.0	77.0	5.6	2.84	6.32	0.42	320	291	29
Dnipropetrovska	45.5	82.6	13.4	46.2	102.2	11.9	3.67	7.76	0.85	1816	1520	296
Donetska	50.8	90.8	16.4	48.9	106.3	14.0	3.84	7.97	1.00	2518	2079	439
Zhytomirska	38.7	69.1	12.2	36.8	80.1	9.8	2.96	6.21	0.74	500	435	65
Zakarpatska	34.4	56.5	13.7	42.8	81.9	15.3	3.51	6.52	1.29	395	342	53
Ivano-Frankivska	35.9	66.0	8.7	38.9	87.4	7.8	3.30	7.16	0.64	612	514	98
Kyivska	45.3	81.3	14.3	45.4	100.1	12.2	3.63	7.66	0.91	807	662	145
Kirovogradska	65.8	113.6	25.2	62.7	133.3	19.8	4.88	9.85	1.46	676	540	136
Louganska	46.1	82.8	14.4	44.5	96.0	12.3	3.65	7.62	0.91	1218	1042	176
Lvivska	32.5	59.9	7.5	35.0	77.4	7.0	2.91	6.22	0.56	920	788	132
Mykolajivska	48.6	86.7	15.3	52.4	112.4	14.6	4.22	8.89	1.05	685	601	84
Odessa	39.4	65.6	16.6	42.0	82.8	15.3	3.31	6.45	1.13	979	807	172
Poltavska	59.6	106.7	19.9	54.4	119.6	14.9	4.27	8.84	1.09	905	734	171
Rivnenska	29.1	53.0	7.4	33.5	74.7	7.4	2.72	5.81	0.56	369	317	52
Soumska	46.3	83.8	14.8	43.0	95.1	11.8	3.42	7.07	0.94	641	527	114
Kharkivska	41.6	73.4	14.6	41.5	88.9	12.7	3.34	6.84	0.97	1145	972	173
Khersonska	54.4	99.7	14.5	60.4	139.7	13.9	4.66	10.20	0.93	632	531	101
Khmelnitska	51.8	93.9	15.7	49.6	111.0	12.2	3.95	8.58	0.86	758	613	145
Cherkasska	43.3	76.5	15.7	39.9	85.2	12.1	3.20	6.51	0.94	609	487	122
Chernivetska	38.7	70.7	10.6	41.7	90.5	9.6	3.27	6.96	0.67	320	276	44
Chernigivska	47.9	90.0	13.3	41.1	92.5	9.7	3.35	7.09	0.81	563	487	76
Kyiv city	30.7	52.3	11.6	38.0	78.5	12.5	2.76	5.43	0.83	769	598	171

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	35.9	65.3	10.4	36.1	80.3	8.9	34182	31009	3173	18269	15501	2768
Vinnitska	36.2	65.2	12.0	33.1	73.1	9.0	1376.0	1259.8	116.2	658	514	144
Volynska	25.3	46.8	5.9	27.5	61.1	5.7	543.3	504.9	38.3	282	265	17
Dnipropetrovska	40.0	73.5	11.0	40.6	90.8	9.8	2763.8	2523.2	240.6	1482	1275	207
Donetska	42.2	78.3	11.0	40.4	92.1	9.3	3587.8	3225.9	361.8	2133	1807	326
Zhytomirska	33.1	61.8	8.2	31.9	72.3	6.7	970.3	901.5	68.8	393	339	54
Zakarpatska	25.4	44.1	8.0	31.5	63.3	9.0	978.4	900.1	78.3	300	267	33
Ivano-Frankivska	26.1	49.6	4.9	28.4	65.5	4.4	753.7	702.9	50.8	483	431	52
Kyivska	38.0	68.6	11.7	38.0	85.3	9.7	1440.8	1286.9	153.8	676	560	116
Kirovogradska	46.9	83.6	15.8	44.9	98.2	12.6	986.8	919.3	67.5	591	486	105
Louganska	41.9	76.2	12.1	40.5	90.0	10.5	1827.7	1599.6	228.1	1075	939	136
Lvivska	25.6	48.1	5.2	27.4	61.2	4.8	1579.9	1441.6	138.3	748	657	91
Mykolajivska	41.9	75.9	12.3	45.3	100.5	11.6	1212.6	1109.3	103.3	543	480	63
Odessa	35.3	61.1	12.7	37.8	78.7	11.8	1925.0	1714.3	210.8	830	685	145
Poltavska	41.2	75.4	12.5	37.9	84.0	9.6	1206.2	1075.4	130.8	653	550	103
Rivnenska	24.6	44.1	6.8	28.2	62.7	6.8	614.6	541.3	73.3	302	266	36
Soumska	37.7	69.4	10.9	35.1	79.0	8.5	995.5	928.4	67.1	525	442	83
Kharkivska	34.0	60.6	11.3	33.8	74.8	9.6	1971.6	1725.6	246.0	904	766	138
Khersonska	48.4	88.6	13.0	53.6	122.5	12.6	1179.8	1113.9	65.9	606	523	83
Khmelnitska	40.3	74.3	11.3	38.7	87.2	8.9	956.1	891.8	64.3	616	527	89
Cherkasska	29.9	55.0	9.0	27.6	61.5	6.9	939.0	842.8	96.2	559	449	110
Chernivetska	31.0	56.6	8.6	33.5	73.3	8.0	480.9	440.2	40.8	299	254	45
Chernigivska	45.5	86.7	11.6	38.4	88.4	8.2	1002.8	936.3	66.5	493	434	59
Kyiv city	24.7	42.7	8.7	30.9	64.8	9.4	993.3	889.3	104.0	632	511	121

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	96.6	3.0	0.4	97.1	2.9	97.6	2.1	0.4	98.8	1.2
Vinnitska	99.2	0.8	0.0	98.2	1.8	97.4	0.9	1.7	98.3	1.7
Volynska	93.7	5.7	0.6	97.0	3.0	99.7	0.3	0.0	100.0	0.0
Dnipropetrovska	95.0	4.6	0.4	95.3	4.7	97.9	1.9	0.1	99.3	0.7
Donetska	95.5	4.2	0.3	96.0	4.0	97.8	1.9	0.3	99.1	0.9
Zhytomirska	97.9	2.1	0.0	97.3	2.7	95.1	4.7	0.2	98.3	1.7
Zakarpatska	98.0	1.4	0.6	99.1	0.9	100.0	0.0	0.0	100.0	0.0
Ivano-Frankivska	99.3	0.5	0.2	98.5	1.5	100.0	0.0	0.0	100.0	0.0
Kyivska	98.6	1.4	0.0	99.8	0.2	95.9	2.9	1.2	98.7	1.3
Kirovogradska				99.4	0.6				100.0	0.0
Louganska	98.3	1.5	0.2	98.6	1.4	97.8	1.6	0.6	97.0	3.0
Lvivska	95.3	4.2	0.5	95.8	4.2	90.2	9.6	0.1	99.9	0.1
Mykolajivska	97.1	2.3	0.6	96.1	3.9	98.8	1.2	0.0	99.6	0.4
Odessa	95.6	4.3	0.2	97.0	3.0	93.6	5.9	0.4	99.2	0.8
Poltavska				99.2	0.8				99.9	0.1
Rivnenska	99.7	0.3	0.0	99.1	0.9	100.0	0.0	0.0	100.0	0.0
Soumska	98.0	1.6	0.5	97.3	2.7	99.4	0.2	0.4	100.0	0.0
Kharkivska	98.2	1.3	0.5	97.2	2.8	100.0	0.0	0.0	100.0	0.0
Khersonska	93.6	6.0	0.4	94.3	5.7	100.0	0.0	0.0	100.0	0.0
Khmelnitska	98.5	0.8	0.7	98.9	1.1	99.0	0.9	0.1	97.3	2.7
Cherkasska	91.4	8.3	0.3	91.6	8.4	99.8	0.2	0.0	92.0	8.0
Chernivetska	99.7	0.3	0.0	99.4	0.6	98.7	0.3	1.0	98.3	1.7
Chernigivska	95.8	3.0	1.3	97.9	2.1	100.0	0.0	0.0	100.0	0.0
Kyiv city	95.6	3.7	0.7	95.1	4.9	94.0	4.6	1.4	95.2	4.8

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	74.2	62.8	58.7	63.2	67.0	65.5	19.5	19.5	14.3	51.3	40.9	32.5
Vinnitska	78.1	78.6	61.0	67.6	63.7	71.5	2.6	5.4	4.8	33.4	29.9	33.6
Volynska	63.9	8.0	12.5	38.4	33.0	33.8	6.1	7.7	10.0	45.7	17.0	7.7
Dnipropetrovska	59.6	30.8	17.8	63.5	62.9	58.6	16.5	6.0	2.1	3.2	1.9	1.4
Donetska	52.3	42.9	38.3	78.0	75.6	74.8	26.9	27.9	16.0	48.6	31.2	19.2
Zhytomirska	60.5	58.8	57.0	42.8	52.5	41.4	20.1	3.0	2.7	19.4	9.8	5.3
Zakarpatska	77.9	82.1	74.4	81.9	86.5	79.5	42.7	73.6	9.2	59.9	82.6	60.6
Ivano-Frankivska	99.6	86.6	79.9	74.9	56.1	72.6	1.3	10.7	0.2	99.8	94.3	36.3
Kyivska	91.6	75.2	73.4	60.8	56.8	53.8	15.2	8.4	1.0	77.8	61.3	51.3
Kirovogradska		77.8	83.0		87.9	91.5		13.3	18.5		67.7	64.6
Louganska	80.8	35.5	30.5	59.1	55.0	57.7	11.7	21.3	19.2	33.2	7.8	12.0
Lvivska	93.9	94.2	89.4	59.2	71.9	66.1	14.2	5.7	4.0	45.9	35.4	4.5
Mykolajivska	80.6	78.7	69.2	47.8	45.7	53.9	10.9	2.8	4.6	27.3	21.8	22.3
Odessa	29.0	22.9	12.9	27.7	35.0	28.4	0.8	0.0	0.0	5.0	1.3	1.1
Poltavska		95.3	98.1		90.1	88.3		99.9	88.9		41.0	37.0
Rivnenska	95.4	94.2	95.6	78.0	84.8	88.8	11.9	0.6	0.3	82.3	59.6	58.5
Soumska	68.1	79.4	74.0	58.3	68.4	77.6	8.9	1.3	29.3	30.0	28.9	24.4
Kharkivska	90.2	61.3	77.6	78.6	83.5	76.8	7.6	7.6	7.2	99.9	99.2	94.9
Khersonska	99.5	99.1	98.8	73.0	70.9	82.1	12.9	24.5	3.0	41.5	38.5	36.8
Khmelnitska	95.1	66.2	48.4	65.3	86.3	77.1	72.0	5.3	5.2	86.7	86.3	34.5
Cherkasska	98.0	87.5	79.2	71.4	72.9	70.1	4.6	38.8	30.1	70.4	68.2	68.7
Chernivetska	55.7	47.1	50.3	72.6	65.7	72.6	79.9	48.8	0.9	91.3	29.6	28.0
Chernigivska	98.9	67.2	66.3	62.3	58.3	48.0	29.6	17.7	12.3	96.2	34.2	12.0
Kyiv city	77.5	80.1	60.4	46.1	47.8	43.3	46.5	16.7	18.6	93.2	70.5	34.8
AR Krym			92.2			56.8			34.9			89.3
Sevastopol city			3.5			73.1			0.0			15.9

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	70.6	69.4	68.8	11.4	33.2	52.6	4.2%	3.7%	4.1%	25.8%	17.2%	16.3%
Vinnitska	69.1	64.7	66.6	7.0	28.6	43.8	9	11	21	4	4	10
Volynska	73.9	78.0	73.0	12.6	35.3	54.0	17	15	20	0	1	0
Dnipropetrovska		73.4	72.0	14.6	35.8	55.5	59	79	87	4	3	5
Donetska	71.0	67.7	68.9	9.6	31.3	49.9	78	70	59	12	5	2
Zhytomirska	72.4	73.7	71.8	12.5	33.9	54.1	13	13	11	0	1	2
Zakarpatska	76.4	73.9	67.7	13.5	33.4	52.0	9	10	4	0	1	1
Ivano-Frankivska	69.5	71.5	67.3	9.7	34.2	52.7	0	5	1	0	1	0
Kyivska	71.8	69.9	69.9	10.3	34.4	54.4	15	16	14	0	6	1
Kirovogradska			67.0	10.9	33.4	55.8		33	22		0	0
Louganska	76.2	74.6	75.2	15.5	39.9	58.7	33	25	29	0	0	0
Lvivska	73.3	70.9	71.1	6.1	24.1	51.5	17	7	20	13	5	10
Mykolajivska	76.1	70.3	70.8	10.2	34.4	53.3	45	21	30	36	4	10
Odeska	55.0	59.7	61.6	11.9	34.1	49.4	34	40	58	0	0	2
Poltavska			62.3	6.3	26.4	49.8		0	4		0	0
Rivnenska		69.0	78.1	9.4	36.3	62.0	2	3	7	0	2	2
Soumska	72.2	67.8	67.6	6.7	28.9	50.3	20	11	12	1	0	0
Kharkivska	69.9	65.4	64.2	14.8	33.7	51.0	128	90	79	70	42	42
Khersonska	76.4	77.3	75.0	10.3	33.0	56.6	21	12	20	0	0	0
Khmelnitska	75.5	72.1	70.6	12.9	34.0	54.0	28	32	39	1	0	0
Cherkasska	70.3	66.8	65.1	15.2	33.6	48.8	40	45	43	0	7	4
Chernivetska	66.1	71.9	66.1	11.9	36.1	54.4	9	3	9	0	0	0
Chernigivska	74.5	75.5	73.6	19.7	45.4	61.3	38	34	23	20	20	12
Kyiv city	62.5	58.9	61.9	9.9	30.2	45.9	10	17	27	0	0	0
АР Крим									18			4
м.Севастополь									10			2

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	41.5	40.1	40.2	14.5	14.4	15.0	27.7	28.2	26.9	32.5	31.2	29.7
Vinnitska	33.8	37.5	39.8	7.0	7.5	10.7	44.6	40.2	37.9	24.6	20.6	19.7
Volynska	62.3	67.7	68.2	4.3	11.3	5.0	42.2	35.3	35.0	23.2	37.1	22.1
Dnipropetrovska	39.4	41.1	44.9	10.8	12.6	14.2	28.3	26.2	24.3	29.3	26.3	25.6
Donetska	21.0	23.6	24.4	25.4	26.4	28.0	24.9	22.4	20.4	42.5	39.3	36.4
Zhytomirska	59.8	49.1	61.9	24.0	21.8	21.4	25.2	27.9	25.2	29.8	31.2	36.1
Zakarpatska	28.4	23.6	24.8	8.0	6.5	9.8	41.9	37.7	31.2	21.3	16.7	18.6
Ivano-Frankivska	60.9	44.6	33.7	5.7	4.7	5.9	21.3	35.6	41.8	17.7	19.8	13.6
Kyivska	43.4	52.2	51.2	5.7	6.5	5.2	30.7	29.3	28.4	45.3	40.3	35.0
Kirovogradska		28.1	24.6		14.3	12.0		32.6	27.4		21.2	22.2
Louganska	42.3	45.7	44.0	9.8	8.6	12.9	28.9	36.1	37.2	28.4	29.9	26.5
Lvivska	49.3	44.7	51.2	13.0	10.3	10.5	26.6	21.6	22.3	24.2	25.8	27.7
Mykolajivska	51.6	54.2	46.8	23.8	21.0	21.1	24.7	27.7	26.9	37.7	34.9	32.0
Odeska	75.6	76.1	77.4	15.1	16.4	13.7	15.9	20.2	25.9	33.9	52.7	46.8
Poltavska		29.4	30.7		19.4	22.3		30.5	28.1		16.2	17.6
Rivnenska	23.1	24.6	26.5	9.3	10.5	8.4	52.9	55.1	59.8	18.7	27.5	21.6
Soumska	49.1	37.4	30.8	5.2	8.1	10.7	33.8	32.2	23.2	47.2	46.2	40.7
Kharkivska	26.3	29.3	28.3	19.5	16.8	26.0	22.2	14.6	14.0	21.0	22.0	25.4
Khersonska	34.9	28.0	26.1	13.8	17.3	16.9	36.0	44.4	44.8	30.4	27.2	28.0
Khmelnitska	20.4	26.7	26.4	14.0	8.4	9.6	22.2	26.8	20.3	36.0	29.9	35.4
Cherkasska	54.5	51.1	57.0	9.4	6.5	12.2	22.9	26.1	28.9	18.5	23.3	25.7
Chernivetska	41.2	38.8	31.1	14.6	14.4	11.3	27.4	23.7	27.4	35.0	31.9	27.1
Chernigivska	45.5	44.1	54.2	6.8	7.9	10.7	33.0	27.2	26.4	43.3	42.8	44.7
Kyiv city	60.6	62.4	64.3	24.7	20.3	20.0	19.8	20.3	17.2	45.3	42.5	43.8
АР Krym			29.4			1.1			19.9			26.0
Sevastopol city			29.4			9.6			36.3			22.8