

| Table 1 General rates, 2006   | ♂           | ♀           | ♂          |
|---|-------------|-------------|------------|
| Incidence: number of new cases  | 9933        | 4568        | 5365       |
| Incidence (crude rate)  | 21.3        | 21.2        | 21.3       |
| Incidence (age-standardised, world standard)  | 11.8        | 14.3        | 10.5       |
| Incidence (age-standardised, Ukrainian standard)  | 20.0        | 25.2        | 17.4       |
| Change of incidence rate 2006 in comparison with 2005 (age-standardized rates, Ukrainian standard, %) | -0.60<br>~~ | -2.96<br>~~ | 1.82<br>~~ |
| Mortality: number of new cases  | 5861        | 2780        | 3081       |
| Mortality (crude rate)  | 12.5        | 12.9        | 12.2       |
| Mortality (age-standardised, world standard)  | 6.6         | 8.6         | 5.5        |
| Mortality (age-standardised, Ukrainian standard)  | 11.7        | 15.7        | 9.6        |
| Lived less than 1 year since the diagnosis in 2006, %   | 39.7        | 40.9        | 38.7       |
| From among the newly diagnosed – diagnosed post mortem, %   | 1.7         | 1.9         | 1.5        |
| Microscopically verified diagnoses, %   | 76.4        | 77.5        | 75.4       |
| Diagnoses verified with histology, %  | 73.0        | 74.4        | 71.7       |
| Patients diagnosed during the preventive medical examinations, %                                      | 7.3         | 7.3         | 7.3        |
| Newly diagnosed patients underwent the special treatment, %   | 65.2        | 64.5        | 65.7       |
| From among them:  |             |             |            |
| - surgical treatment only, %  | 69.2        | 69.6        | 68.9       |
| - combined or complex scheme of treatment, %  | 24.0        | 23.6        | 24.4       |
| Incidence of children population (per 100 000 of children pop.)                                       | 0.0         | 0.0         | 0.0        |
| Mortality of children population (per 100 000 of children pop.)                                       | 0.0         | 0.0         | 0.0        |

| Table 2<br>Incidence and<br>mortality,<br>2006 | Crude incidence rate<br>per 100 000 of<br>population |             |             | Age-standardised<br>incidence rate<br>(world standard) |             |             | Age-standardised<br>incidence rate<br>(Ukrainian<br>standard) |             |             | Crude mortality rate<br>per 100 000 of<br>population |             |             | Age-standardised<br>mortality rate<br>(world standard) |            |            | Age-standardised<br>mortality rate<br>(Ukrainian<br>standard) |             |            |
|--|--|-------------|-------------|--|-------------|-------------|---|-------------|-------------|--|-------------|-------------|--|------------|------------|---|-------------|------------|
|  | ♂  | ♀           | ♂           | ♂  | ♀           | ♂           | ♂   | ♀           | ♂           | ♂  | ♀           | ♂           | ♂  | ♀          | ♂          | ♂   | ♀           | ♂          |
| <b>Ukraine</b>                                 | <b>21.3</b>  | <b>21.2</b> | <b>21.3</b> | <b>11.8</b>  | <b>14.3</b> | <b>10.5</b> | <b>20.0</b>   | <b>25.2</b> | <b>17.4</b> | <b>12.5</b>  | <b>12.9</b> | <b>12.2</b> | <b>6.6</b>   | <b>8.6</b> | <b>5.5</b> | <b>11.7</b>   | <b>15.7</b> | <b>9.6</b> |
| AR Krym  | 24.0   | 23.6        | 24.3        | 13.5   | 16.4        | 11.9        | 23.4  | 28.8        | 20.6        | 13.2   | 12.6        | 13.7        | 7.3  | 8.8        | 6.5        | 12.9  | 15.8        | 11.4       |
| Vinnitska                                      | 16.2   | 16.8        | 15.8        | 8.5  | 10.3        | 7.6         | 14.1  | 17.9        | 12.3        | 10.1   | 9.8         | 10.3        | 5.2  | 6.5        | 4.7        | 8.7   | 11.2        | 7.6        |
| Volynska                                       | 12.6   | 10.7        | 14.4        | 7.7  | 7.8         | 7.8         | 13.0  | 14.0        | 12.7        | 7.0  | 7.2         | 6.9         | 4.3  | 5.8        | 3.2        | 7.4   | 9.8         | 5.7        |
| Dnipropetrovska                                | 26.2   | 24.4        | 27.6        | 14.2   | 15.9        | 13.4        | 24.4  | 28.7        | 22.3        | 16.2   | 16.4        | 16.1        | 8.6  | 10.8       | 7.5        | 15.2  | 20.2        | 12.7       |
| Donetska                                       | 23.8   | 22.5        | 24.9        | 12.0   | 14.1        | 10.9        | 20.7  | 24.8        | 18.6        | 15.2   | 16.0        | 14.6        | 7.3  | 9.9        | 6.0        | 13.2  | 18.3        | 10.6       |
| Zhytomirska                                    | 13.5   | 15.1        | 12.2        | 7.7  | 10.0        | 6.4         | 12.6  | 17.1        | 10.1        | 7.5  | 7.6         | 7.4         | 3.9  | 4.7        | 3.5        | 6.7   | 8.5         | 5.9        |
| Zakarpatska                                    | 12.0   | 14.2        | 9.9         | 8.8  | 12.6        | 6.1         | 14.1  | 20.4        | 9.8         | 7.7  | 7.9         | 7.6         | 5.4  | 6.8        | 4.5        | 9.2   | 11.3        | 7.9        |
| Zaporizzka                                     | 31.3   | 29.4        | 33.0        | 16.9   | 19.6        | 15.7        | 29.5  | 35.7        | 26.4        | 18.7   | 17.4        | 19.7        | 9.3  | 11.1       | 8.5        | 17.1  | 21.3        | 15.2       |
| Ivano-Frankivska                               | 14.7   | 13.9        | 15.4        | 8.6  | 9.7         | 8.1         | 14.7  | 17.3        | 13.3        | 10.0   | 9.0         | 10.8        | 5.8  | 6.3        | 5.6        | 10.0  | 11.5        | 9.4        |
| Kyivska  | 20.0   | 20.6        | 19.4        | 11.6   | 14.1        | 10.4        | 19.0  | 24.7        | 16.4        | 9.8  | 11.1        | 8.7         | 5.1  | 6.9        | 4.3        | 8.8   | 12.5        | 7.1        |
| Kirovogradska                                  | 22.8   | 23.9        | 21.9        | 11.4   | 14.9        | 9.3         | 19.4  | 25.7        | 15.9        | 13.0   | 14.4        | 11.8        | 6.6  | 9.7        | 4.5        | 11.7  | 16.7        | 8.4        |
| Louganska                                      | 19.0   | 17.7        | 20.1        | 9.8  | 11.1        | 9.2         | 16.7  | 19.8        | 15.2        | 14.3   | 13.9        | 14.6        | 7.0  | 8.7        | 6.2        | 12.6  | 16.0        | 11.2       |
| Lvivska  | 18.9   | 20.6        | 17.4        | 11.0   | 14.9        | 8.4         | 19.3  | 26.3        | 15.0        | 10.2   | 10.9        | 9.6         | 5.8  | 7.7        | 4.7        | 10.2  | 14.0        | 8.1        |
| Mykolajivska                                   | 21.1   | 20.4        | 21.7        | 12.0   | 14.0        | 11.3        | 20.1  | 25.7        | 17.7        | 12.6   | 14.9        | 10.5        | 6.8  | 10.0       | 4.8        | 12.0  | 18.7        | 8.3        |
| Odesska  | 25.2   | 27.2        | 23.5        | 15.0   | 19.4        | 12.4        | 25.3  | 33.8        | 20.8        | 14.3   | 16.8        | 12.2        | 8.0  | 11.9       | 5.8        | 14.6  | 22.1        | 10.5       |
| Poltavska                                      | 21.5   | 24.5        | 19.1        | 11.4   | 15.3        | 9.4         | 18.9  | 27.2        | 14.9        | 13.2   | 12.4        | 13.8        | 6.5  | 7.3        | 6.2        | 11.3  | 13.3        | 10.7       |
| Rivnenska                                      | 14.4   | 13.4        | 15.3        | 9.4  | 10.9        | 8.7         | 15.9  | 18.7        | 14.7        | 8.7  | 8.4         | 9.0         | 5.3  | 6.2        | 4.7        | 9.4   | 11.4        | 8.4        |
| Soumska  | 20.2   | 19.7        | 20.6        | 10.7   | 12.6        | 9.8         | 17.9  | 21.8        | 15.9        | 11.9   | 12.4        | 11.6        | 5.8  | 7.8        | 4.6        | 10.5  | 14.3        | 8.2        |
| Ternopil'ska                                   | 14.6   | 17.7        | 11.9        | 8.8  | 12.9        | 6.3         | 14.3  | 21.9        | 9.8         | 8.0  | 9.9         | 6.4         | 4.6  | 7.2        | 2.8        | 7.7   | 12.0        | 4.8        |
| Kharkivska                                     | 26.1   | 25.5        | 26.6        | 14.2   | 17.2        | 12.9        | 24.5  | 30.9        | 21.8        | 14.3   | 13.5        | 14.9        | 7.7  | 9.4        | 6.9        | 13.6  | 16.7        | 12.2       |
| Khersonska                                     | 20.1   | 19.0        | 21.1        | 12.0   | 14.4        | 11.0        | 20.3  | 25.8        | 18.3        | 10.9   | 11.9        | 10.1        | 6.0  | 9.1        | 4.2        | 11.4  | 17.6        | 8.2        |
| Khmelnitska                                    | 16.1   | 16.6        | 15.6        | 8.5  | 10.9        | 7.6         | 14.4  | 19.3        | 12.3        | 9.6  | 9.5         | 9.8         | 4.5  | 5.7        | 3.9        | 7.9   | 10.5        | 6.8        |
| Cherkasska                                     | 22.0   | 25.3        | 19.2        | 11.5   | 15.5        | 9.1         | 18.7  | 26.6        | 14.3        | 10.9   | 14.0        | 8.4         | 5.2  | 8.5        | 3.3        | 9.1   | 15.4        | 5.7        |
| Chernivetska                                   | 14.7   | 12.5        | 16.6        | 9.1  | 9.6         | 8.8         | 15.0  | 15.5        | 14.5        | 11.9   | 9.2         | 14.3        | 6.8  | 6.7        | 7.0        | 11.9  | 11.9        | 11.9       |
| Chernigivska                                   | 17.2   | 19.0        | 15.8        | 8.6  | 11.3        | 7.0         | 14.3  | 19.1        | 11.6        | 10.9   | 11.6        | 10.2        | 4.9  | 6.6        | 4.0        | 8.5   | 12.0        | 6.7        |
| Kyiv city                                      | 27.2   | 25.6        | 28.5        | 17.6   | 19.9        | 16.2        | 30.9  | 36.2        | 27.8        | 13.5   | 14.1        | 13.1        | 8.5  | 11.1       | 7.0        | 16.0  | 21.2        | 13.0       |
| Sevastopol city                                | 29.2   | 29.1        | 29.3        | 14.4   | 19.4        | 11.7        | 25.9  | 36.3        | 20.4        | 18.6   | 21.5        | 16.1        | 9.8  | 15.6       | 7.2        | 17.5  | 29.8        | 12.1       |

| Table 3<br>Incidence and mortality,<br>2007 | Number of new cancer cases registered in 2007 |             |             | Crude incidence rate per 100 000 of population |             |             | Number of deaths from cancer registered in 2007 |             |             | Crude mortality rate per 100 000 of population |             |             |
|---|---|-------------|-------------|--|-------------|-------------|---|-------------|-------------|--|-------------|-------------|
|   | ♂   | ♀           | ♂           | ♂  | ♀           | ♂           | ♂   | ♀           | ♂           | ♂  | ♀           | ♂           |
| <b>Ukraine</b>                              | <b>9430</b>                                   | <b>4314</b> | <b>5116</b> | <b>20.3</b>                                    | <b>20.1</b> | <b>20.4</b> | <b>5582</b>                                     | <b>2629</b> | <b>2953</b> | <b>12.0</b>                                    | <b>12.3</b> | <b>11.8</b> |
| AR Krym                                     | 441   | 204         | 237         | 22.4   | 22.6        | 22.2        | 233   | 107         | 126         | 11.8   | 11.9        | 11.8        |
| Vinnitska                                   | 284   | 135         | 149         | 16.9   | 17.6        | 16.3        | 176   | 94          | 82          | 10.5   | 12.2        | 9.0         |
| Volynska                                    | 124   | 57          | 67          | 12.0   | 11.7        | 12.2        | 59  | 30          | 29          | 5.7  | 6.2         | 5.3         |
| Dnipropetrovska                             | 811   | 360         | 451         | 23.7   | 23.0        | 24.3        | 476   | 208         | 268         | 13.9   | 13.3        | 14.5        |
| Donetska                                    | 1059  | 466         | 593         | 23.2   | 22.4        | 23.8        | 696   | 331         | 365         | 15.2   | 15.9        | 14.7        |
| Zhytomirska                                 | 194   | 105         | 89          | 14.7   | 17.2        | 12.6        | 135   | 79          | 56          | 10.2   | 13.0        | 7.9         |
| Zakarpatska                                 | 141   | 70          | 71          | 11.4   | 11.8        | 11.0        | 70  | 34          | 36          | 5.6  | 5.7         | 5.6         |
| Zaporizzka                                  | 445   | 204         | 241         | 24.1   | 24.2        | 24.0        | 276   | 124         | 152         | 15.0   | 14.7        | 15.2        |
| Ivano-Frankivska                            | 208   | 93          | 115         | 15.0   | 14.3        | 15.7        | 114   | 52          | 62          | 8.3  | 8.0         | 8.5         |
| Kyivska                                     | 305   | 132         | 173         | 17.5   | 16.4        | 18.4        | 190   | 94          | 96          | 10.9   | 11.7        | 10.2        |
| Kirovogradska                               | 227   | 85          | 142         | 21.7   | 17.8        | 25.0        | 139   | 49          | 90          | 13.3   | 10.2        | 15.8        |
| Louganska                                   | 465   | 180         | 285         | 19.6   | 16.6        | 22.1        | 294   | 131         | 163         | 12.4   | 12.1        | 12.6        |
| Lvivska                                     | 497   | 241         | 256         | 19.5   | 20.0        | 19.0        | 229   | 116         | 113         | 9.0  | 9.6         | 8.4         |
| Mykolajivska                                | 266   | 122         | 144         | 22.0   | 21.8        | 22.1        | 161   | 74          | 87          | 13.3   | 13.2        | 13.4        |
| Odesska                                     | 641   | 296         | 345         | 26.9   | 26.6        | 27.2        | 352   | 169         | 183         | 14.8   | 15.2        | 14.4        |
| Poltavska                                   | 309   | 153         | 156         | 20.2   | 21.8        | 18.8        | 188   | 90          | 98          | 12.3   | 12.8        | 11.8        |
| Rivnenska                                   | 146   | 69          | 77          | 12.7   | 12.7        | 12.7        | 124   | 68          | 56          | 10.8   | 12.5        | 9.2         |
| Soumska                                     | 242   | 112         | 130         | 20.0   | 20.3        | 19.8        | 126   | 61          | 65          | 10.4   | 11.1        | 9.9         |
| Ternopijska                                 | 156   | 82          | 74          | 14.2   | 16.0        | 12.5        | 101   | 51          | 50          | 9.2  | 10.0        | 8.5         |
| Kharkivska                                  | 604   | 268         | 336         | 21.6   | 20.9        | 22.2        | 327   | 146         | 181         | 11.7   | 11.4        | 12.0        |
| Khersonska                                  | 218   | 99          | 119         | 19.5   | 19.1        | 19.9        | 124   | 49          | 75          | 11.1   | 9.5         | 12.5        |
| Khmelnitska                                 | 241   | 123         | 118         | 17.7   | 19.6        | 16.1        | 152   | 65          | 87          | 11.2   | 10.4        | 11.9        |
| Cherkasska                                  | 296   | 153         | 143         | 22.4   | 25.4        | 19.8        | 194   | 101         | 93          | 14.7   | 16.8        | 12.9        |
| Chernivetska                                | 114   | 46          | 68          | 12.6   | 10.9        | 14.2        | 77  | 29          | 48          | 8.5  | 6.9         | 10.0        |
| Chernigivska                                | 200   | 104         | 96          | 17.5   | 20.1        | 15.3        | 124   | 63          | 61          | 10.8   | 12.2        | 9.7         |
| Kyiv city                                   | 671   | 309         | 362         | 25.1   | 24.9        | 25.2        | 361   | 173         | 188         | 13.5   | 14.0        | 13.1        |
| Sevastopol city                             | 125   | 46          | 79          | 33.1   | 26.7        | 38.5        | 84  | 41          | 43          | 22.3   | 23.8        | 21.0        |

| Table 4<br>Rates,<br>2007 | Stage distribution of new cases, 2007 (according to TNM), % |             |             |               | Lived less than 1 year since diagnosis in 2006, % | among them: diagnosed post-mortem in 2006 | Received special treatment, % | Microscopically verified, % | During the preventive examination, % | Patients with cancer, 2007 (per 100 000 of population) |             |             |
|---------------------------|---|-------------|-------------|---------------|---|---|-------------------------------|-----------------------------|--------------------------------------|--|-------------|-------------|
|                           | I-II  | III         | IV          | Not specified |   |   |                               |                             |                                      | ♂  | ♀           | ♂           |
| <b>Ukraine</b>            | <b>53.9</b>   | <b>21.4</b> | <b>18.5</b> | <b>5.8</b>    | <b>39.7</b>                                       | <b>159</b>                                | <b>66.0</b>                   | <b>76.0</b>                 | <b>8.3</b>                           | <b>93.4</b>  | <b>86.3</b> | <b>99.5</b> |
| AR Krym                   | 48.1  | 34.3        | 15.9        | 1.2           | 36.3  | 2   | 64.0                          | 66.2                        | 2.2                                  | 117.2  | 100.5       | 131.2       |
| Vinnitska                 | 61.6  | 18.0        | 11.8        | 7.8           | 35.2  | 0   | 69.0                          | 71.8                        | 5.7                                  | 75.9   | 74.9        | 76.8        |
| Volynska                  | 55.9  | 21.6        | 21.6        | 0.9           | 31.2  | 2   | 72.1                          | 96.0                        | 2.7                                  | 63.0   | 57.0        | 68.4        |
| Dnipropetrovska           | 52.7  | 17.2        | 16.7        | 13.3          | 42.4  | 5   | 67.8                          | 82.5                        | 3.0                                  | 99.7   | 90.1        | 107.8       |
| Donetska                  | 52.5  | 22.2        | 18.3        | 6.9           | 42.4  | 19  | 53.8                          | 62.5                        | 15.4                                 | 108.6  | 95.8        | 119.2       |
| Zhytomirska               | 55.1  | 13.6        | 29.5        | 1.1           | 40.2  | 1   | 63.6                          | 84.5                        | 10.2                                 | 61.4   | 63.3        | 59.8        |
| Zakarpatska               | 42.2  | 38.3        | 18.0        | 0.8           | 38.4  | 1   | 84.4                          | 94.3                        | 0.0                                  | 51.3   | 53.5        | 49.2        |
| Zaporizzka                | 65.3  | 19.6        | 15.1        | 0.0           | 41.4  | 19  | 61.8                          | 65.4                        | 13.1                                 | 114.0  | 101.1       | 124.8       |
| Ivano-Frankivska          | 59.7  | 20.4        | 16.3        | 2.0           | 48.0  | 0   | 70.9                          | 80.3                        | 2.6                                  | 61.1   | 58.4        | 63.6        |
| Kyivska                   | 62.4  | 19.5        | 17.7        | 0.4           | 33.5  | 8   | 71.3                          | 83.0                        | 4.6                                  | 98.8   | 91.0        | 105.4       |
| Kirovogradska             | 67.3  | 8.9         | 22.8        | 0.0           | 45.4  | 8   | 61.9                          | 60.4                        | 5.0                                  | 95.1   | 81.7        | 106.4       |
| Louganska                 | 51.2  | 16.6        | 21.3        | 10.2          | 47.7  | 7   | 63.0                          | 80.0                        | 9.0                                  | 84.0   | 66.2        | 99.1        |
| Lvivska                   | 48.2  | 26.2        | 20.3        | 5.1           | 32.7  | 1   | 62.9                          | 81.9                        | 1.3                                  | 90.0   | 89.9        | 90.1        |
| Mykolajivska              | 67.8  | 14.4        | 17.4        | 0.4           | 37.7  | 6   | 63.1                          | 71.1                        | 27.5                                 | 107.5  | 100.4       | 113.5       |
| Odesska                   | 52.2  | 28.7        | 16.7        | 1.9           | 40.5  | 33  | 78.2                          | 92.4                        | 3.0                                  | 116.5  | 113.7       | 119.0       |
| Poltavska                 | 41.9  | 21.1        | 24.6        | 11.8          | 42.1  | 0   | 63.0                          | 80.6                        | 2.8                                  | 86.2   | 85.1        | 87.1        |
| Rivnenska                 | 51.8  | 12.4        | 11.7        | 24.1          | 44.4  | 1   | 65.0                          | 53.4                        | 25.5                                 | 55.6   | 51.9        | 59.0        |
| Soumska                   | 59.2  | 15.8        | 14.5        | 10.5          | 36.3  | 0   | 70.6                          | 75.2                        | 6.1                                  | 88.5   | 84.3        | 92.0        |
| Ternopijska               | 44.5  | 20.5        | 31.5        | 2.1           | 35.6  | 3   | 71.9                          | 82.1                        | 8.9                                  | 65.9   | 70.6        | 61.9        |
| Kharkivska                | 63.3  | 17.9        | 10.2        | 8.6           | 42.2  | 7   | 68.2                          | 63.4                        | 8.3                                  | 97.0   | 88.7        | 104.0       |
| Khersonska                | 54.5  | 13.5        | 28.5        | 3.0           | 36.7  | 4   | 64.5                          | 81.7                        | 6.5                                  | 96.9   | 90.6        | 102.2       |
| Khmelnitska               | 48.0  | 35.4        | 16.6        | 0.0           | 38.8  | 2   | 62.8                          | 66.8                        | 2.7                                  | 78.7   | 76.1        | 80.9        |
| Cherkasska                | 52.3  | 15.9        | 29.2        | 1.5           | 40.1  | 9   | 60.6                          | 82.4                        | 9.1                                  | 97.2   | 101.7       | 93.4        |
| Chernivetska              | 49.0  | 25.5        | 19.6        | 4.9           | 45.0  | 4   | 62.7                          | 50.9                        | 2.0                                  | 71.8   | 68.8        | 74.4        |
| Chernigivska              | 51.1  | 20.2        | 25.5        | 2.7           | 38.8  | 0   | 69.7                          | 79.5                        | 3.2                                  | 85.2   | 82.5        | 87.5        |
| Kyiv city                 | 47.2  | 25.0        | 16.5        | 10.2          | 33.1  | 16  | 72.5                          | 87.0                        | 22.5                                 | 114.4  | 101.4       | 125.6       |
| Sevastopol city           | 46.9  | 26.5        | 26.5        | 0.0           | 36.3  | 1   | 73.5                          | 88.8                        | 0.9                                  | 193.5  | 162.1       | 219.7       |