

| Table 1 General rates, 2009   | ♂     | ♀    | ♂     |
|---|-------|------|-------|
| <b>Incidence: number of new cases</b>                                   | 16384 | 130  | 16254 |
| <b>Incidence (crude rate)</b>   | 35.65 | 0.61 | 65.60 |
| <b>Incidence (age-standardised, world standard)</b>                     | 22.77 | 0.43 | 39.39 |
| <b>Incidence (age-standardised, Ukrainian standard)</b>                 | 33.96 | 0.72 | 57.53 |
| <b>Mortality: number of new cases</b>                                   | 8058  | 69   | 7989  |
| <b>Mortality (crude rate)</b>   | 17.53 | 0.33 | 32.24 |
| <b>Mortality (age-standardised, world standard)</b>                     | 10.41 | 0.22 | 17.57 |
| <b>Mortality (age-standardised, Ukrainian standard)</b>                 | 16.44 | 0.39 | 27.10 |
| <b>Lived less than 1 year since the diagnosis in 2009, %</b>            | 11,5  | 22,8 | 11,4  |
| <b>From among the newly diagnosed – diagnosed post mortem, %</b>        | 0,4   | 0,8  | 0,4   |
| <b>Microscopically verified diagnoses, %</b>                            | 91,2  | 90,8 | 91,2  |
| <b>Diagnoses verified with histology, %</b>                             | 70,9  | 68,5 | 70,9  |
| <b>Patients diagnosed during the preventive medical examinations, %</b> | 46,0  | 28,5 | 46,2  |
| <b>Newly diagnosed patients underwent the special treatment, %</b>      | 82,4  | 82,9 | 82,4  |
| <b>From among them:</b>   |       |      |       |
| - surgical treatment only, %  | 11,0  | 21,6 | 11,0  |
| - combined or complex scheme of treatment, %                            | 70,1  | 59,8 | 70,2  |
| <b>Incidence of children population (per 100 000 of children pop.)</b>  | 0.0   | 0.0  | 0.0   |
| <b>Mortality of children population (per 100 000 of children pop.)</b>  | 0.0   | 0.0  | 0.0   |

| Table 2<br>Incidence and mortality,<br>2009 | Crude incidence rate per 100 000 of population |             |              | Age-standardised incidence rate (world standard) |             |              | Age-standardised incidence rate (Ukrainian standard) |             |              | Crude mortality rate per 100 000 of population |             |              | Age-standardised mortality rate (world standard) |             |              | Age-standardised mortality rate (Ukrainian standard) |             |              |
|---|--|-------------|--------------|--|-------------|--------------|--|-------------|--------------|--|-------------|--------------|--|-------------|--------------|--|-------------|--------------|
|   | ♂  | ♀           | ♂            | ♂  | ♀           | ♂            | ♂  | ♀           | ♂            | ♂  | ♀           | ♂            | ♂  | ♀           | ♂            | ♂  | ♀           | ♂            |
| <b>Ukraine</b>                              | <b>35.65</b>                                   | <b>0.61</b> | <b>65.60</b> | <b>22.77</b>                                     | <b>0.43</b> | <b>39.39</b> | <b>33.96</b>   | <b>0.72</b> | <b>57.53</b> | <b>17.53</b>                                   | <b>0.33</b> | <b>32.24</b> | <b>10.41</b>                                     | <b>0.22</b> | <b>17.57</b> | <b>16.44</b>   | <b>0.39</b> | <b>27.10</b> |
| AR Krym                                     | 42.94  | 0.56        | 78.65        | 26.58  | 0.42        | 44.96        | 40.70  | 0.63        | 67.39        | 17.67  | 0.00        | 32.55        | 10.27  | 0.00        | 17.24        | 16.32  | 0.00        | 26.75        |
| Vinnitska                                   | 27.59  | 0.66        | 50.28        | 17.94  | 0.42        | 31.61        | 26.27  | 0.64        | 45.33        | 13.98  | 0.53        | 25.31        | 8.25   | 0.37        | 13.91        | 12.76  | 0.62        | 21.03        |
| Volynska                                    | 25.06  | 0.00        | 47.20        | 18.94  | 0.00        | 33.94        | 27.31  | 0.00        | 47.96        | 12.00  | 0.00        | 22.60        | 8.18   | 0.00        | 14.29        | 12.32  | 0.00        | 20.98        |
| Dnipropetrovska                             | 40.64  | 0.65        | 74.24        | 25.36  | 0.39        | 43.16        | 37.91  | 0.68        | 63.24        | 18.99  | 0.06        | 34.88        | 10.98  | 0.07        | 18.30        | 17.69  | 0.11        | 28.86        |
| Donetska                                    | 39.44  | 0.64        | 71.67        | 23.66  | 0.47        | 40.33        | 35.59  | 0.75        | 59.49        | 22.40  | 0.29        | 40.75        | 12.10  | 0.18        | 19.95        | 19.84  | 0.30        | 32.05        |
| Zhytomirska                                 | 32.82  | 0.67        | 60.46        | 21.61  | 0.37        | 38.01        | 32.03  | 0.88        | 55.00        | 16.14  | 0.33        | 29.73        | 10.28  | 0.25        | 17.87        | 15.19  | 0.35        | 25.85        |
| Zakarpatska                                 | 21.04  | 0.17        | 40.24        | 16.03  | 0.27        | 28.85        | 23.56  | 0.53        | 41.47        | 12.09  | 0.00        | 23.21        | 9.02   | 0.00        | 16.07        | 13.62  | 0.00        | 23.79        |
| Zaporizzka                                  | 42.85  | 1.21        | 77.71        | 26.07  | 0.83        | 44.24        | 38.89  | 1.35        | 64.53        | 24.11  | 0.60        | 43.80        | 13.45  | 0.30        | 22.01        | 21.83  | 0.56        | 34.82        |
| Ivano-Frankivska                            | 25.03  | 0.31        | 47.04        | 17.42  | 0.24        | 30.70        | 25.88  | 0.29        | 44.64        | 13.35  | 0.15        | 25.10        | 9.03   | 0.07        | 15.80        | 13.96  | 0.18        | 23.81        |
| Kyivska                                     | 35.31  | 0.38        | 65.15        | 22.69  | 0.26        | 39.74        | 33.01  | 0.36        | 56.57        | 17.42  | 0.13        | 32.20        | 10.01  | 0.15        | 16.91        | 15.94  | 0.31        | 26.26        |
| Kirovogradska                               | 37.43  | 1.29        | 67.84        | 22.87  | 0.68        | 39.59        | 33.94  | 1.43        | 57.23        | 19.69  | 0.43        | 35.90        | 11.20  | 0.23        | 19.01        | 17.38  | 0.40        | 28.77        |
| Louganska                                   | 32.36  | 0.47        | 59.15        | 19.04  | 0.26        | 32.58        | 28.82  | 0.48        | 48.24        | 21.53  | 0.56        | 39.15        | 11.70  | 0.27        | 19.31        | 18.99  | 0.57        | 30.57        |
| Lvivska                                     | 28.60  | 0.67        | 53.62        | 19.46  | 0.45        | 34.41        | 28.98  | 0.84        | 50.09        | 14.80  | 0.33        | 27.74        | 9.56   | 0.24        | 16.61        | 14.88  | 0.43        | 25.23        |
| Mykolajivska                                | 39.91  | 0.54        | 73.61        | 25.02  | 0.27        | 42.92        | 38.59  | 0.51        | 64.78        | 16.32  | 0.73        | 29.66        | 10.01  | 0.55        | 16.74        | 15.58  | 0.93        | 25.46        |
| Odesska                                     | 42.46  | 0.90        | 79.01        | 28.08  | 0.66        | 48.56        | 42.29  | 0.95        | 71.73        | 18.69  | 0.54        | 34.65        | 11.65  | 0.39        | 19.71        | 18.39  | 0.73        | 30.40        |
| Poltavska                                   | 34.58  | 0.58        | 63.25        | 21.38  | 0.32        | 37.44        | 31.52  | 0.59        | 54.07        | 17.36  | 0.73        | 31.38        | 9.88   | 0.40        | 16.83        | 15.11  | 0.80        | 25.13        |
| Rivnenska                                   | 24.78  | 0.55        | 46.49        | 18.68  | 0.45        | 33.08        | 27.16  | 0.72        | 47.00        | 12.52  | 0.37        | 23.41        | 8.74   | 0.27        | 14.83        | 13.71  | 0.41        | 22.69        |
| Soumska                                     | 36.81  | 0.56        | 67.14        | 21.25  | 0.40        | 36.74        | 31.70  | 0.62        | 53.51        | 15.99  | 0.19        | 29.22        | 8.63   | 0.10        | 14.66        | 13.63  | 0.13        | 22.63        |
| Ternopil'ska                                | 26.05  | 0.59        | 48.10        | 17.86  | 0.36        | 31.91        | 25.54  | 0.70        | 44.60        | 11.74  | 0.20        | 21.74        | 7.02   | 0.15        | 12.14        | 10.78  | 0.18        | 18.18        |
| Kharkivska                                  | 41.35  | 0.55        | 75.94        | 25.64  | 0.40        | 43.87        | 38.67  | 0.71        | 64.76        | 16.91  | 0.32        | 30.99        | 10.08  | 0.19        | 16.99        | 15.46  | 0.27        | 25.55        |
| Khersonska                                  | 40.08  | 0.59        | 74.08        | 25.39  | 0.40        | 43.72        | 38.66  | 0.66        | 64.96        | 18.04  | 0.20        | 33.39        | 11.05  | 0.12        | 18.87        | 17.35  | 0.32        | 28.85        |
| Khmelnitska                                 | 33.10  | 0.65        | 60.88        | 20.55  | 0.41        | 35.99        | 30.59  | 0.80        | 52.30        | 14.50  | 0.16        | 26.76        | 8.66   | 0.15        | 15.09        | 13.42  | 0.30        | 22.77        |
| Cherkasska                                  | 35.44  | 0.68        | 64.46        | 21.89  | 0.44        | 38.16        | 32.13  | 0.71        | 54.94        | 16.38  | 0.68        | 29.48        | 9.07   | 0.38        | 15.33        | 14.03  | 0.62        | 23.21        |
| Chernivetska                                | 22.64  | 0.71        | 41.92        | 16.54  | 0.55        | 28.90        | 24.43  | 0.89        | 41.92        | 14.54  | 0.47        | 26.90        | 9.23   | 0.37        | 15.58        | 14.95  | 0.69        | 24.62        |
| Chernigivska                                | 33.70  | 0.80        | 60.80        | 20.81  | 0.59        | 36.44        | 30.14  | 0.79        | 51.72        | 15.01  | 0.80        | 26.71        | 8.20   | 0.50        | 13.91        | 12.49  | 0.93        | 20.57        |
| Kyiv city                                   | 41.70  | 0.56        | 77.04        | 28.42  | 0.42        | 48.81        | 42.97  | 0.72        | 72.77        | 18.79  | 0.16        | 34.80        | 12.24  | 0.16        | 20.63        | 19.70  | 0.26        | 32.68        |
| Sevastopol city                             | 51.31  | 0.00        | 94.26        | 31.65  | 0.00        | 53.53        | 46.82  | 0.00        | 77.56        | 28.56  | 0.00        | 52.47        | 15.95  | 0.00        | 25.70        | 26.39  | 0.00        | 41.52        |

| Table 3<br>Incidence and mortality,<br>2010 | Number of new cancer cases registered in 2010 |            |              | Crude incidence rate per 100 000 of population |             |              | Number of deaths from cancer registered in 2010 |           |             | Crude mortality rate per 100 000 of population |             |              |
|---|---|------------|--------------|--|-------------|--------------|---|-----------|-------------|--|-------------|--------------|
|   | ♂   | ♀          | ♂            | ♂  | ♀           | ♂            | ♂   | ♀         | ♂           | ♂  | ♀           | ♂            |
| <b>Ukraine</b>                              | <b>16165</b>                                  | <b>169</b> | <b>15996</b> | <b>35.31</b>                                   | <b>0.80</b> | <b>64.83</b> | <b>7662</b>                                     | <b>68</b> | <b>7594</b> | <b>16.74</b>                                   | <b>0.32</b> | <b>30.78</b> |
| AR Krym                                     | 696   | 8          | 688          | 35.57  | 0.89        | 64.81        | 279   | 5         | 274         | 14.26  | 0.56        | 25.81        |
| Vinnitska                                   | 469   | 7          | 462          | 28.54  | 0.93        | 51.86        | 237   | 3         | 234         | 14.42  | 0.40        | 26.27        |
| Volynska                                    | 271   | 7          | 264          | 26.21  | 1.44        | 48.11        | 128   | 0         | 128         | 12.38  | 0.00        | 23.33        |
| Dnipropetrovska                             | 1384  | 9          | 1375         | 41.29  | 0.59        | 75.46        | 651   | 6         | 645         | 19.42  | 0.39        | 35.40        |
| Donetska                                    | 1764  | 21         | 1743         | 39.61  | 1.04        | 71.62        | 847   | 6         | 841         | 19.02  | 0.30        | 34.56        |
| Zhytomirska                                 | 408   | 5          | 403          | 31.71  | 0.84        | 58.28        | 168   | 2         | 166         | 13.06  | 0.34        | 24.00        |
| Zakarpatska                                 | 294   | 4          | 290          | 23.67  | 0.67        | 44.80        | 151   | 1         | 150         | 12.16  | 0.17        | 23.17        |
| Zaporizzka                                  | 702   | 7          | 695          | 38.77  | 0.85        | 70.52        | 382   | 4         | 378         | 21.09  | 0.48        | 38.35        |
| Ivano-Frankivska                            | 329   | 6          | 323          | 23.88  | 0.92        | 44.32        | 169   | 0         | 169         | 12.26  | 0.00        | 23.19        |
| Kyivska                                     | 596   | 6          | 590          | 34.73  | 0.76        | 63.77        | 278   | 1         | 277         | 16.20  | 0.13        | 29.94        |
| Kirovogradska                               | 408   | 4          | 404          | 40.34  | 0.87        | 73.57        | 176   | 2         | 174         | 17.40  | 0.43        | 31.68        |
| Louganska                                   | 775   | 8          | 767          | 33.59  | 0.76        | 61.18        | 470   | 5         | 465         | 20.37  | 0.47        | 37.09        |
| Lvivska                                     | 652   | 6          | 646          | 25.76  | 0.50        | 48.39        | 346   | 2         | 344         | 13.67  | 0.17        | 25.77        |
| Mykolajivska                                | 473   | 2          | 471          | 39.79  | 0.36        | 73.55        | 200   | 2         | 198         | 16.82  | 0.36        | 30.92        |
| Odesska                                     | 973   | 11         | 962          | 40.88  | 0.99        | 75.98        | 431   | 5         | 426         | 18.11  | 0.45        | 33.65        |
| Poltavska                                   | 497   | 6          | 491          | 33.32  | 0.88        | 60.69        | 264   | 5         | 259         | 17.70  | 0.73        | 32.01        |
| Rivnenska                                   | 300   | 2          | 298          | 26.07  | 0.37        | 49.13        | 160   | 2         | 158         | 13.91  | 0.37        | 26.05        |
| Soumska                                     | 469   | 5          | 464          | 40.08  | 0.94        | 72.85        | 235   | 2         | 233         | 20.08  | 0.38        | 36.58        |
| Ternopil'ska                                | 312   | 5          | 307          | 28.74  | 0.99        | 52.78        | 145   | 1         | 144         | 13.36  | 0.20        | 24.76        |
| Kharkivska                                  | 1133  | 7          | 1126         | 41.15  | 0.55        | 75.59        | 495   | 0         | 495         | 17.98  | 0.00        | 33.23        |
| Khersonska                                  | 441   | 3          | 438          | 40.38  | 0.59        | 74.65        | 173   | 1         | 172         | 15.84  | 0.20        | 29.31        |
| Khmelnitska                                 | 455   | 3          | 452          | 34.19  | 0.49        | 63.09        | 192   | 0         | 192         | 14.43  | 0.00        | 26.80        |
| Cherkasska                                  | 423   | 7          | 416          | 32.75  | 1.19        | 59.14        | 218   | 4         | 214         | 16.88  | 0.68        | 30.43        |
| Chernivetska                                | 212   | 2          | 210          | 23.52  | 0.47        | 43.80        | 133   | 1         | 132         | 14.76  | 0.24        | 27.53        |
| Chernigivska                                | 384   | 4          | 380          | 34.87  | 0.80        | 62.94        | 170   | 1         | 169         | 15.44  | 0.20        | 27.99        |
| Kyiv city                                   | 1115  | 12         | 1103         | 40.64  | 0.95        | 74.71        | 467   | 7         | 460         | 17.02  | 0.55        | 31.16        |
| Sevastopol city                             | 230   | 2          | 228          | 60.77  | 1.16        | 110.65       | 97  | 0         | 97          | 25.63  | 0.00        | 47.07        |

| Table 4<br>Rates,<br>2010 | Stage distribution of new cases, 2010 (according to TNM), % |             |            |               | Lived less than 1 year since diagnosis in 2009, % | among them: diagnosed post-mortem in 2009 | Received special treatment, % | Microscopically verified, % | During the preventive examination, % | Patients with cancer, 2010 (per 100 000 of population) |            |              |
|---------------------------|---|-------------|------------|---------------|---|---|-------------------------------|-----------------------------|--------------------------------------|--|------------|--------------|
|                           | I-II  | III         | IV         | Not specified |   |   |                               |                             |                                      | ♂  | ♀          | ♂            |
| <b>Ukraine</b>            | <b>75,6</b>   | <b>14,2</b> | <b>7,5</b> | <b>2,2</b>    | <b>11,5</b>                                       | <b>62</b>                                 | <b>81.2</b>                   | <b>91.2</b>                 | <b>51.4</b>                          | <b>325.8</b>   | <b>4.4</b> | <b>600.7</b> |
| AR Krym                   | 77,9  | 16,7        | 4,0        | 0,6           | 8,4   | 2   | 67.7                          | 81.0                        | 36.5                                 | 387.6  | 4.9        | 710.3        |
| Vinnitska                 | 95,2  | 3,4         | 1,0        | 0,2           | 7,9   | 0   | 76.6                          | 76.1                        | 61.8                                 | 294.3  | 3.5        | 539.9        |
| Volynska                  | 78,0  | 9,8         | 10,2       | 0,0           | 11,3  | 0   | 85.1                          | 96.7                        | 62.0                                 | 235.2  | 2.4        | 441.0        |
| Dnipropetrovska           | 73,1  | 14,3        | 8,0        | 4,4           | 11,8  | 5   | 70.1                          | 88.0                        | 47.3                                 | 361.9  | 4.7        | 661.8        |
| Donetska                  | 70,3  | 18,6        | 7,8        | 2,9           | 14,2  | 5   | 84.9                          | 93.9                        | 55.5                                 | 373.8  | 4.6        | 680.4        |
| Zhytomirska               | 78,0  | 13,7        | 7,8        | 0,3           | 10,5  | 0   | 82.9                          | 99.5                        | 57.5                                 | 257.6  | 3.8        | 476.0        |
| Zakarpatska               | 75,3  | 11,8        | 11,8       | 0,3           | 9,8   | 0   | 78.4                          | 87.1                        | 62.4                                 | 184.3  | 2.1        | 351.7        |
| Zaporizzka                | 73,4  | 17,8        | 8,7        | 0,0           | 13,3  | 9   | 85.6                          | 92.0                        | 55.7                                 | 319.6  | 4.1        | 583.9        |
| Ivano-Frankivska          | 75,9  | 14,5        | 8,3        | 0,6           | 10,4  | 0   | 80.9                          | 84.5                        | 55.6                                 | 202.1  | 3.0        | 379.3        |
| Kyivska                   | 77,4  | 16,7        | 5,7        | 0,0           | 9,0   | 1   | 80.8                          | 90.3                        | 56.4                                 | 327.1  | 3.6        | 603.6        |
| Kirovogradska             | 74,4  | 15,4        | 9,7        | 0,0           | 11,7  | 1   | 71.8                          | 92.6                        | 37.3                                 | 310.2  | 6.0        | 566.3        |
| Louganska                 | 68,8  | 19,9        | 9,9        | 0,7           | 17,5  | 4   | 84.5                          | 96.9                        | 52.0                                 | 326.3  | 3.0        | 598.0        |
| Lvivska                   | 70,5  | 17,9        | 9,0        | 1,9           | 10,5  | 0   | 86.9                          | 98.2                        | 47.0                                 | 253.0  | 4.0        | 476.1        |
| Mykolajivska              | 83,2  | 11,0        | 5,2        | 0,4           | 8,1   | 4   | 81.2                          | 90.9                        | 58.7                                 | 384.1  | 3.8        | 709.8        |
| Odesska                   | 82,4  | 10,9        | 5,9        | 0,4           | 11,2  | 6   | 89.5                          | 94.6                        | 55.2                                 | 387.3  | 6.9        | 721.9        |
| Poltavska                 | 61,7  | 17,7        | 13,0       | 7,2           | 13,8  | 0   | 84.0                          | 96.2                        | 29.6                                 | 297.1  | 4.9        | 543.5        |
| Rivnenska                 | 73,2  | 13,4        | 9,6        | 3,4           | 9,0   | 0   | 77.0                          | 83.7                        | 56.7                                 | 214.5  | 4.0        | 403.2        |
| Soumska                   | 79,0  | 2,7         | 5,4        | 12,9          | 13,8  | 0   | 80.4                          | 87.2                        | 50.4                                 | 329.1  | 3.7        | 601.5        |
| Ternopil'ska              | 80,1  | 10,6        | 4,3        | 0,0           | 7,0   | 1   | 90.7                          | 95.8                        | 51.2                                 | 235.7  | 3.7        | 436.7        |
| Kharkivska                | 78,2  | 14,6        | 5,1        | 1,9           | 10,7  | 2   | 79.2                          | 82.8                        | 51.4                                 | 385.7  | 5.7        | 708.0        |
| Khersonska                | 77,6  | 8,5         | 12,5       | 0,0           | 9,9   | 1   | 78.5                          | 95.7                        | 23.8                                 | 343.0  | 4.9        | 634.1        |
| Khmelnitska               | 81,7  | 12,4        | 5,9        | 0,0           | 12,4  | 1   | 83.3                          | 84.8                        | 43.0                                 | 293.9  | 2.9        | 543.4        |
| Cherkasska                | 69,1  | 19,3        | 10,1       | 0,2           | 9,4   | 5   | 81.9                          | 90.8                        | 41.8                                 | 341.5  | 6.4        | 621.8        |
| Chernivetska              | 70,1  | 18,1        | 9,8        | 1,5           | 17,2  | 2   | 74.0                          | 96.7                        | 59.8                                 | 237.5  | 4.5        | 442.6        |
| Chernigivska              | 77,2  | 9,6         | 10,7       | 1,4           | 10,6  | 0   | 87.9                          | 96.1                        | 36.0                                 | 306.3  | 4.2        | 555.2        |
| Kyiv city                 | 76,7  | 11,0        | 5,8        | 5,9           | 10,4  | 12  | 85.1                          | 95.5                        | 69.1                                 | 410.3  | 4.8        | 758.3        |
| Sevastopol city           | 76,6  | 15,0        | 8,4        | 0,0           | 12,9  | 1   | 83.2                          | 100.0                       | 68.2                                 | 561.4  | 6.3        | 1025.9       |