

| Table 1 General rates, 2006   | ♿           | ♿          | ♿           |
|---|-------------|------------|-------------|
| Incidence: number of new cases  | 2492        | 1018       | 1474        |
| Incidence (crude rate)  | 5.3         | 4.7        | 5.9         |
| Incidence (age-standardised, world standard)  | 3.5         | 3.5        | 3.6         |
| Incidence (age-standardised, Ukrainian standard)  | 5.1         | 5.2        | 5.1         |
| Change of incidence rate 2006 in comparison with 2005 (age-standardized rates, Ukrainian standard, %) | -0.78<br>~~ | 3.58<br>~~ | -3.39<br>~~ |
| Mortality: number of new cases  | 1059        | 502        | 557         |
| Mortality (crude rate)  | 2.3         | 2.3        | 2.2         |
| Mortality (age-standardised, world standard)  | 1.5         | 1.7        | 1.3         |
| Mortality (age-standardised, Ukrainian standard)  | 2.2         | 2.6        | 1.9         |
| Lived less than 1 year since the diagnosis in 2006, %   | 14.9        | 18.5       | 12.4        |
| From among the newly diagnosed – diagnosed post mortem, %   | 0.0         | 0.0        | 0.1         |
| Microscopically verified diagnoses, %   | 98.6        | 98.2       | 98.8        |
| Diagnoses verified with histology, %  | 94.7        | 94.2       | 95.0        |
| Patients diagnosed during the preventive medical examinations, %                                      | 37.1        | 36.0       | 37.9        |
| Newly diagnosed patients underwent the special treatment, %   | 90.6        | 90.2       | 90.8        |
| From among them:  |             |            |             |
| - surgical treatment only, %  | 57.6        | 56.2       | 58.6        |
| - combined or complex scheme of treatment, %  | 37.3        | 38.4       | 36.6        |
| 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 mortality,<br>2006 | 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>5.3</b>                                     | <b>4.7</b> | <b>5.9</b> | <b>3.5</b>                                       | <b>3.5</b> | <b>3.6</b> | <b>5.1</b>   | <b>5.2</b> | <b>5.1</b> | <b>2.3</b>                                     | <b>2.3</b> | <b>2.2</b> | <b>1.5</b>                                       | <b>1.7</b> | <b>1.3</b> | <b>2.2</b>   | <b>2.6</b> | <b>1.9</b> |
| AR Krym                                     | 6.9  | 5.2        | 8.4        | 4.5  | 4.0        | 5.0        | 6.6  | 6.0        | 7.0        | 1.9  | 2.0        | 1.9        | 1.2  | 1.5        | 1.2        | 2.0  | 2.6        | 1.7        |
| Vinnitska                                   | 4.2  | 4.0        | 4.4        | 2.8  | 2.9        | 2.7        | 4.0  | 4.1        | 3.8        | 1.8  | 1.8        | 1.7        | 1.0  | 1.1        | 0.9        | 1.5  | 1.6        | 1.4        |
| Volynska                                    | 4.2  | 3.9        | 4.5        | 2.8  | 3.1        | 2.6        | 4.1  | 4.6        | 3.8        | 1.5  | 2.1        | 1.1        | 1.4  | 1.9        | 1.0        | 1.8  | 2.6        | 1.2        |
| Dnipropetrovska                             | 5.2  | 5.0        | 5.5        | 3.3  | 3.6        | 3.1        | 4.9  | 5.6        | 4.7        | 2.2  | 2.4        | 2.0        | 1.4  | 1.7        | 1.3        | 2.2  | 2.6        | 1.9        |
| Donetska                                    | 4.2  | 3.6        | 4.7        | 2.7  | 2.6        | 2.7        | 3.9  | 3.8        | 3.9        | 2.3  | 2.1        | 2.6        | 1.5  | 1.5        | 1.5        | 2.1  | 2.1        | 2.2        |
| Zhytomirskaya                               | 5.0  | 4.4        | 5.5        | 3.6  | 3.4        | 3.7        | 4.9  | 4.6        | 5.0        | 1.5  | 1.5        | 1.5        | 1.0  | 1.1        | 0.9        | 1.4  | 1.8        | 1.3        |
| Zakarpatska                                 | 3.6  | 3.0        | 4.2        | 2.8  | 2.6        | 3.2        | 4.2  | 4.4        | 4.4        | 2.0  | 2.0        | 2.0        | 1.6  | 1.8        | 1.4        | 2.4  | 2.8        | 2.1        |
| Zaporizzka                                  | 6.4  | 4.9        | 7.6        | 4.3  | 3.6        | 4.8        | 6.0  | 5.3        | 6.6        | 2.9  | 3.1        | 2.7        | 1.9  | 2.3        | 1.6        | 2.8  | 3.3        | 2.4        |
| Ivano-Frankivskaya                          | 4.4  | 4.0        | 4.8        | 3.1  | 3.2        | 3.0        | 4.6  | 4.8        | 4.5        | 2.3  | 2.3        | 2.3        | 1.5  | 1.8        | 1.2        | 2.2  | 2.5        | 2.0        |
| Kyivska                                     | 6.3  | 6.2        | 6.3        | 4.3  | 4.9        | 4.0        | 6.1  | 7.4        | 5.6        | 2.8  | 3.1        | 2.6        | 1.9  | 2.3        | 1.6        | 2.7  | 3.5        | 2.4        |
| Kirovogradskaya                             | 5.1  | 5.4        | 4.9        | 3.3  | 3.8        | 3.3        | 4.6  | 5.8        | 4.2        | 1.9  | 2.3        | 1.6        | 1.1  | 1.5        | 0.7        | 1.6  | 2.3        | 1.1        |
| Louganska                                   | 4.9  | 3.8        | 5.8        | 3.1  | 2.7        | 3.5        | 4.3  | 3.9        | 4.7        | 2.0  | 1.4        | 2.5        | 1.2  | 0.9        | 1.4        | 1.8  | 1.4        | 2.0        |
| Lvivska                                     | 5.4  | 4.6        | 6.1        | 3.7  | 3.3        | 3.9        | 5.3  | 5.0        | 5.6        | 2.1  | 1.9        | 2.2        | 1.4  | 1.4        | 1.4        | 2.2  | 2.4        | 2.1        |
| Mykolajivskaya                              | 6.9  | 6.7        | 7.0        | 4.5  | 5.0        | 4.2        | 6.5  | 7.4        | 5.9        | 2.9  | 3.0        | 2.8        | 1.9  | 2.2        | 1.6        | 2.9  | 3.4        | 2.5        |
| Odesska                                     | 6.4  | 5.3        | 7.5        | 4.4  | 3.8        | 5.1        | 6.2  | 5.7        | 6.8        | 2.6  | 3.1        | 2.1        | 1.7  | 2.3        | 1.3        | 2.6  | 3.7        | 1.8        |
| Poltavska                                   | 5.9  | 5.8        | 6.0        | 3.8  | 4.1        | 3.6        | 5.6  | 6.5        | 5.3        | 3.0  | 3.3        | 2.9        | 1.8  | 2.2        | 1.5        | 2.6  | 3.3        | 2.1        |
| Rivnenska                                   | 3.8  | 3.5        | 4.1        | 3.0  | 2.8        | 3.2        | 3.9  | 3.6        | 4.1        | 1.4  | 1.1        | 1.6        | 1.0  | 0.8        | 1.1        | 1.5  | 1.3        | 1.6        |
| Soumska                                     | 5.7  | 6.5        | 5.1        | 3.6  | 4.9        | 2.9        | 5.4  | 7.7        | 4.0        | 2.3  | 2.3        | 2.3        | 1.4  | 1.5        | 1.4        | 2.0  | 2.3        | 1.8        |
| Ternopil'ska                                | 3.7  | 3.1        | 4.2        | 2.6  | 2.5        | 2.8        | 3.8  | 3.6        | 3.9        | 2.0  | 2.5        | 1.5        | 1.3  | 1.8        | 1.0        | 1.9  | 2.7        | 1.4        |
| Kharkiv'ska                                 | 5.2  | 4.9        | 5.5        | 3.3  | 3.4        | 3.2        | 4.9  | 5.4        | 4.7        | 2.4  | 2.9        | 1.9        | 1.6  | 2.1        | 1.2        | 2.2  | 3.0        | 1.6        |
| Kherson'ska                                 | 5.6  | 5.0        | 6.1        | 4.0  | 4.1        | 4.0        | 5.7  | 6.0        | 5.4        | 2.2  | 2.7        | 1.8        | 1.5  | 2.0        | 1.2        | 2.2  | 2.9        | 1.7        |
| Khmel'nitska                                | 3.7  | 3.3        | 3.9        | 2.3  | 2.1        | 2.4        | 3.5  | 3.4        | 3.8        | 2.0  | 2.1        | 2.0        | 1.4  | 1.6        | 1.3        | 1.9  | 2.1        | 1.7        |
| Cherkasska                                  | 5.8  | 4.9        | 6.5        | 3.4  | 3.3        | 3.6        | 5.1  | 5.2        | 5.3        | 1.8  | 1.6        | 1.9        | 1.2  | 1.2        | 1.1        | 1.7  | 1.6        | 1.8        |
| Chernivetska                                | 2.5  | 2.1        | 2.9        | 1.6  | 1.5        | 1.7        | 2.6  | 2.4        | 2.7        | 1.8  | 0.9        | 2.5        | 1.1  | 0.8        | 1.4        | 1.8  | 1.3        | 2.1        |
| Chernigiv'ska                               | 5.2  | 3.4        | 6.6        | 3.1  | 2.2        | 3.8        | 4.4  | 3.2        | 5.3        | 2.7  | 3.1        | 2.4        | 1.5  | 1.9        | 1.3        | 2.2  | 3.0        | 1.8        |
| Kyiv city                                   | 7.9  | 7.2        | 8.6        | 5.6  | 5.7        | 5.6        | 8.7  | 9.1        | 8.5        | 2.9  | 3.1        | 2.8        | 2.0  | 2.6        | 1.6        | 3.3  | 4.4        | 2.6        |
| Sevastopol city                             | 11.9   | 9.9        | 13.7       | 8.1  | 7.6        | 8.4        | 11.4   | 10.4       | 11.8       | 4.0  | 2.9        | 4.9        | 2.5  | 1.9        | 2.9        | 3.1  | 2.4        | 3.7        |

| 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>2475</b>                                   | <b>991</b> | <b>1484</b> | <b>5.3</b>                                     | <b>4.6</b> | <b>5.9</b> | <b>1018</b>                                     | <b>457</b> | <b>561</b> | <b>2.2</b>                                     | <b>2.1</b> | <b>2.2</b> |
| AR Krym                                     | 126   | 48         | 78          | 6.4  | 5.3        | 7.3        | 51  | 23         | 28         | 2.6  | 2.6        | 2.6        |
| Vinnitska                                   | 92  | 39         | 53          | 5.5  | 5.1        | 5.8        | 23  | 11         | 12         | 1.4  | 1.4        | 1.3        |
| Volynska                                    | 36  | 11         | 25          | 3.5  | 2.3        | 4.6        | 20  | 7          | 13         | 1.9  | 1.4        | 2.4        |
| Dnipropetrovska                             | 176   | 65         | 111         | 5.2  | 4.2        | 6.0        | 79  | 37         | 42         | 2.3  | 2.4        | 2.3        |
| Donetska                                    | 200   | 67         | 133         | 4.4  | 3.2        | 5.3        | 91  | 40         | 51         | 2.0  | 1.9        | 2.1        |
| Zhytomirska                                 | 52  | 21         | 31          | 4.0  | 3.4        | 4.4        | 22  | 9          | 13         | 1.7  | 1.5        | 1.8        |
| Zakarpatska                                 | 43  | 24         | 19          | 3.5  | 4.0        | 2.9        | 18  | 14         | 4          | 1.5  | 2.4        | 0.6        |
| Zaporizzka                                  | 97  | 31         | 66          | 5.3  | 3.7        | 6.6        | 44  | 26         | 18         | 2.4  | 3.1        | 1.8        |
| Ivano-Frankivska                            | 54  | 25         | 29          | 3.9  | 3.8        | 4.0        | 25  | 12         | 13         | 1.8  | 1.8        | 1.8        |
| Kyivska                                     | 112   | 47         | 65          | 6.4  | 5.8        | 6.9        | 37  | 13         | 24         | 2.1  | 1.6        | 2.6        |
| Kirovogradska                               | 67  | 21         | 46          | 6.4  | 4.4        | 8.1        | 26  | 14         | 12         | 2.5  | 2.9        | 2.1        |
| Louganska                                   | 104   | 35         | 69          | 4.4  | 3.2        | 5.4        | 47  | 18         | 29         | 2.0  | 1.7        | 2.3        |
| Lvivska                                     | 141   | 61         | 80          | 5.5  | 5.1        | 6.0        | 68  | 30         | 38         | 2.7  | 2.5        | 2.8        |
| Mykolajivska                                | 69  | 29         | 40          | 5.7  | 5.2        | 6.1        | 27  | 13         | 14         | 2.2  | 2.3        | 2.2        |
| Odesska                                     | 171   | 75         | 96          | 7.2  | 6.7        | 7.6        | 60  | 29         | 31         | 2.5  | 2.6        | 2.4        |
| Poltavska                                   | 85  | 29         | 56          | 5.6  | 4.1        | 6.7        | 43  | 16         | 27         | 2.8  | 2.3        | 3.3        |
| Rivnenska                                   | 48  | 26         | 22          | 4.2  | 4.8        | 3.6        | 8   | 2          | 6          | 0.7  | 0.4        | 1.0        |
| Soumska                                     | 48  | 20         | 28          | 4.0  | 3.6        | 4.3        | 17  | 6          | 11         | 1.4  | 1.1        | 1.7        |
| Ternopijska                                 | 42  | 21         | 21          | 3.8  | 4.1        | 3.6        | 16  | 5          | 11         | 1.5  | 1.0        | 1.9        |
| Kharkivska                                  | 160   | 64         | 96          | 5.7  | 5.0        | 6.3        | 64  | 25         | 39         | 2.3  | 2.0        | 2.6        |
| Khersonska                                  | 71  | 28         | 43          | 6.4  | 5.4        | 7.2        | 27  | 15         | 12         | 2.4  | 2.9        | 2.0        |
| Khmelnitska                                 | 60  | 18         | 42          | 4.4  | 2.9        | 5.7        | 28  | 12         | 16         | 2.1  | 1.9        | 2.2        |
| Cherkasska                                  | 88  | 39         | 49          | 6.6  | 6.5        | 6.8        | 30  | 11         | 19         | 2.3  | 1.8        | 2.6        |
| Chernivetska                                | 23  | 7          | 16          | 2.6  | 1.7        | 3.3        | 6   | 2          | 4          | 0.7  | 0.5        | 0.8        |
| Chernigivska                                | 54  | 25         | 29          | 4.7  | 4.8        | 4.6        | 36  | 14         | 22         | 3.2  | 2.7        | 3.5        |
| Kyiv city                                   | 210   | 100        | 110         | 7.9  | 8.1        | 7.7        | 82  | 45         | 37         | 3.1  | 3.6        | 2.6        |
| Sevastopol city                             | 46  | 15         | 31          | 12.2   | 8.7        | 15.1       | 23  | 8          | 15         | 6.1  | 4.7        | 7.3        |

| 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>64.8</b>   | <b>18.7</b> | <b>4.4</b> | <b>11.1</b>   | <b>14.9</b>                                       | <b>1</b>                                  | <b>89.1</b>                   | <b>98.2</b>                 | <b>39.3</b>                          | <b>41.1</b>  | <b>28.8</b> | <b>51.7</b> |
| AR Krym                   | 61.7  | 27.0        | 2.6        | 8.7           | 12.1  | 0   | 85.2                          | 97.6                        | 24.3                                 | 61.2   | 39.7        | 79.4        |
| Vinnitska                 | 95.3  | 2.3         | 0.0        | 2.3           | 18.2  | 0   | 98.8                          | 100.0                       | 75.6                                 | 45.0   | 29.5        | 58.1        |
| Volynska                  | 65.7  | 14.3        | 11.4       | 5.7           | 16.7  | 0   | 91.4                          | 100.0                       | 34.3                                 | 27.5   | 19.5        | 34.5        |
| Dnipropetrovska           | 61.9  | 16.7        | 2.4        | 18.5          | 11.8  | 0   | 85.7                          | 97.7                        | 35.7                                 | 39.8   | 27.4        | 50.2        |
| Donetska                  | 53.4  | 16.9        | 6.9        | 20.6          | 17.1  | 0   | 89.9                          | 98.5                        | 39.2                                 | 41.0   | 27.4        | 52.2        |
| Zhytomirska               | 46.7  | 42.2        | 4.4        | 6.7           | 15.4  | 0   | 97.8                          | 100.0                       | 51.1                                 | 30.5   | 23.2        | 36.7        |
| Zakarpatska               | 62.8  | 16.3        | 2.3        | 18.6          | 20.5  | 0   | 93.0                          | 100.0                       | 30.2                                 | 26.4   | 16.4        | 35.6        |
| Zaporizzka                | 55.6  | 34.4        | 5.6        | 1.1           | 20.2  | 0   | 88.9                          | 100.0                       | 30.0                                 | 44.0   | 29.7        | 56.1        |
| Ivano-Frankivska          | 36.5  | 38.5        | 5.8        | 19.2          | 12.5  | 0   | 82.7                          | 98.1                        | 13.5                                 | 24.3   | 18.2        | 29.8        |
| Kyivska                   | 70.2  | 22.1        | 1.9        | 0.0           | 12.4  | 0   | 90.4                          | 100.0                       | 35.6                                 | 44.1   | 32.1        | 54.4        |
| Kirovogradska             | 58.7  | 34.9        | 3.2        | 3.2           | 17.0  | 0   | 87.3                          | 100.0                       | 20.6                                 | 37.5   | 25.5        | 47.7        |
| Louganska                 | 64.2  | 15.8        | 3.2        | 15.8          | 20.5  | 0   | 87.4                          | 100.0                       | 50.5                                 | 33.0   | 19.5        | 44.4        |
| Lvivska                   | 62.1  | 14.4        | 8.3        | 15.2          | 15.5  | 0   | 84.1                          | 91.5                        | 50.0                                 | 38.6   | 28.7        | 47.4        |
| Mykolajivska              | 70.3  | 9.4         | 3.1        | 17.2          | 23.1  | 0   | 82.8                          | 89.9                        | 37.5                                 | 48.7   | 33.9        | 61.3        |
| Odesska                   | 78.9  | 15.7        | 5.4        | 0.0           | 14.5  | 1   | 92.2                          | 100.0                       | 36.7                                 | 46.0   | 36.2        | 54.6        |
| Poltavska                 | 73.1  | 12.8        | 12.8       | 1.3           | 11.9  | 0   | 87.2                          | 100.0                       | 29.5                                 | 42.1   | 27.3        | 54.6        |
| Rivnenska                 | 29.8  | 2.1         | 0.0        | 68.1          | 16.7  | 0   | 78.7                          | 91.7                        | 46.8                                 | 25.9   | 19.6        | 31.5        |
| Soumska                   | 78.3  | 4.3         | 2.2        | 15.2          | 18.2  | 0   | 91.3                          | 100.0                       | 45.7                                 | 34.9   | 25.5        | 42.8        |
| Ternopijska               | 43.9  | 39.0        | 0.0        | 17.1          | 25.6  | 0   | 87.8                          | 100.0                       | 36.6                                 | 31.5   | 24.2        | 37.9        |
| Kharkivska                | 65.4  | 26.8        | 3.3        | 4.6           | 10.9  | 0   | 90.8                          | 100.0                       | 35.3                                 | 43.9   | 33.3        | 52.9        |
| Khersonska                | 75.0  | 13.3        | 1.7        | 6.7           | 11.7  | 0   | 91.7                          | 98.6                        | 5.0                                  | 43.8   | 29.2        | 56.4        |
| Khmelnitska               | 73.7  | 12.3        | 3.5        | 8.8           | 18.4  | 0   | 86.0                          | 95.0                        | 36.8                                 | 33.5   | 20.9        | 44.2        |
| Cherkasska                | 65.1  | 22.9        | 4.8        | 3.6           | 7.0   | 0   | 89.2                          | 96.6                        | 24.1                                 | 41.9   | 30.7        | 51.3        |
| Chernivetska              | 54.5  | 36.4        | 4.5        | 4.5           | 9.1   | 0   | 90.9                          | 100.0                       | 31.8                                 | 25.5   | 16.0        | 33.9        |
| Chernigivska              | 66.0  | 24.0        | 2.0        | 8.0           | 17.5  | 0   | 90.0                          | 96.3                        | 38.0                                 | 35.1   | 21.2        | 46.6        |
| Kyiv city                 | 68.5  | 8.3         | 5.0        | 17.7          | 9.6   | 0   | 92.3                          | 99.0                        | 69.6                                 | 61.1   | 46.5        | 73.6        |
| Sevastopol city           | 77.3  | 15.9        | 6.8        | 0.0           | 16.3  | 0   | 90.9                          | 100.0                       | 43.2                                 | 115.0  | 84.8        | 140.3       |