

| Table 1 - General rates, 2015   |   | 👤          | 👤          | 👤          |
|---|---|------------|------------|------------|
| Incidence: number of new cases*   |   | 2034       | 1941       | 93         |
| Incidence (crude rate)  |   | 5.6        | 11.5       | 0.5        |
| Incidence (age-standardized, world standard)                              |   | 3.5        | 8.0        | 0.3        |
| Incidence (age-standardized, Ukrainian standard)                          |   | 5.2        | 12.3       | 0.4        |
| Change of incidence rate 2015 compared to 2014, %<br>(Ukrainian standard) |   | 3.4%<br>~~ | 3.2%<br>~~ | 2.6%<br>~~ |
| Mortality: number of new cases*   |   | 1172       | 1140       | 32         |
| Mortality (crude rate)  |   | 3.2        | 6.8        | 0.2        |
| Mortality (age-standardized, world standard)                              |   | 1.9        | 4.7        | 0.1        |
| Mortality (age-standardized, Ukrainian standard)                          |   | 3.0        | 7.5        | 0.1        |
| Lived less than 1 year since the diagnosis in 2015, %                     |   | 29.0       | 29.6       | 15.3       |
| From among the newly diagnosed – diagnosed post mortem, %                 |   | 1.5        | 1.5        | 1.2        |
| Microscopically verified diagnoses, %                                     |   | 94.8       | 94.8       | 93.5       |
| Diagnoses verified with histology, %                                      |   | 83.0       | 82.9       | 84.9       |
| Not specified morphology, %   |   | 5.2        | 5.2        | 5.7        |
| Patients diagnosed during the preventive medical examinations, %          |   | 13.5       | 13.4       | 16.1       |
| Newly diagnosed patients received the anti-cancer treatment, %            |   | 80.5       | 80.9       | 71.8       |
| - surgical treatment only, %  |   | 10.2       | 10.2       | 10.6       |
| - treatment combined or complex, %  |   | 28.7       | 29.0       | 22.4       |
| Incidence of children population<br>(age 0-17 years):                     | cases*                                  | 0          | 0          | 0          |
|   | rate per 100 000 of children population | 0.0        | 0.0        | 0.0        |
| Mortality of children population<br>(age 0-17 years):                     | cases*                                  | 0          | 0          | 0          |
|   | rate per 100 000 of children population | 0.0        | 0.0        | 0.0        |

\* - does not include cases of Donetsk and Luhansk oblast, AR Krym, Sevastopol city

| Table 2 -<br>Incidence and<br>mortality,<br>2015 | Crude incidence rate<br>per 100 000 of<br>population |             |            | Age-standardized<br>incidence rate<br>(world standard) |            |            | Age-standardized<br>incidence rate<br>(Ukrainian<br>standard) |             |            | Crude mortality rate<br>per 100 000 of<br>population |            |            | Age-standardized<br>mortality rate<br>(world standard) |            |            | Age-standardized<br>mortality rate<br>(Ukrainian<br>standard) |            |            |
|--|--|-------------|------------|--|------------|------------|---|-------------|------------|--|------------|------------|--|------------|------------|---|------------|------------|
|  | 👤  | 👤           | 👤          | 👤  | 👤          | 👤          | 👤   | 👤           | 👤          | 👤  | 👤          | 👤          | 👤  | 👤          | 👤          | 👤   | 👤          | 👤          |
| <b>Ukraine</b>                                   | <b>5.6</b>   | <b>11.5</b> | <b>0.5</b> | <b>3.5</b>   | <b>8.0</b> | <b>0.3</b> | <b>5.2</b>  | <b>12.3</b> | <b>0.4</b> | <b>3.2</b>   | <b>6.8</b> | <b>0.2</b> | <b>1.9</b>   | <b>4.7</b> | <b>0.1</b> | <b>3.0</b>  | <b>7.5</b> | <b>0.1</b> |
| AR Krym  |  |             |            |  |            |            |   |             |            |  |            |            |  |            |            |   |            |            |
| Vinnitska  | 4.6  | 9.9         | 0.0        | 2.7  | 6.5        | 0.0        | 4.1   | 10.1        | 0.0        | 2.5  | 5.4        | 0.0        | 1.4  | 3.4        | 0.0        | 2.2   | 5.3        | 0.0        |
| Volynska   | 6.1  | 12.2        | 0.6        | 4.5  | 10.0       | 0.3        | 6.6   | 14.9        | 0.5        | 3.6  | 7.6        | 0.0        | 2.5  | 6.1        | 0.0        | 3.9   | 9.8        | 0.0        |
| Dnipropetrovska                                  | 5.5  | 11.4        | 0.6        | 3.5  | 8.0        | 0.4        | 5.0   | 11.9        | 0.5        | 3.1  | 6.4        | 0.3        | 1.8  | 4.4        | 0.1        | 2.9   | 7.2        | 0.2        |
| Donetska   |  |             |            |  |            |            |   |             |            |  |            |            |  |            |            |   |            |            |
| Zhytomyrska                                      | 7.3  | 14.6        | 1.0        | 4.7  | 10.2       | 0.5        | 6.7   | 15.2        | 0.8        | 4.2  | 8.4        | 0.6        | 2.5  | 5.8        | 0.2        | 3.8   | 9.1        | 0.3        |
| Zakarpat'ska                                     | 4.9  | 9.8         | 0.3        | 3.5  | 7.8        | 0.2        | 5.3   | 12.0        | 0.4        | 3.1  | 6.1        | 0.3        | 2.1  | 4.7        | 0.3        | 3.4   | 8.2        | 0.4        |
| Zaporizka  | 4.9  | 9.9         | 0.7        | 2.8  | 6.4        | 0.5        | 4.3   | 10.0        | 0.7        | 2.8  | 6.0        | 0.2        | 1.5  | 3.9        | 0.0        | 2.5   | 6.3        | 0.1        |
| Ivano-Frankiv'ska                                | 4.8  | 9.5         | 0.6        | 3.3  | 7.0        | 0.4        | 4.7   | 10.1        | 0.5        | 2.9  | 6.1        | 0.0        | 1.9  | 4.6        | 0.0        | 2.9   | 7.3        | 0.0        |
| Kyiv'ska   | 5.9  | 12.3        | 0.3        | 3.7  | 8.6        | 0.2        | 5.3   | 12.7        | 0.3        | 4.1  | 8.5        | 0.2        | 2.4  | 6.0        | 0.1        | 3.8   | 9.7        | 0.2        |
| Kirovograd'ska                                   | 5.5  | 11.2        | 0.8        | 3.3  | 7.5        | 0.3        | 4.9   | 11.5        | 0.6        | 3.2  | 6.7        | 0.2        | 1.8  | 4.4        | 0.1        | 2.8   | 6.8        | 0.2        |
| Luhanska   |  |             |            |  |            |            |   |             |            |  |            |            |  |            |            |   |            |            |
| Lviv'ska   | 5.8  | 11.9        | 0.4        | 3.8  | 8.6        | 0.2        | 5.8   | 13.3        | 0.3        | 3.2  | 6.8        | 0.0        | 2.1  | 4.9        | 0.0        | 3.2   | 7.7        | 0.0        |
| Mykolaiv'ska                                     | 7.3  | 15.1        | 0.6        | 4.6  | 10.5       | 0.4        | 6.6   | 15.5        | 0.5        | 4.5  | 9.7        | 0.0        | 2.6  | 6.3        | 0.0        | 3.8   | 9.6        | 0.0        |
| Odeska   | 6.6  | 13.6        | 0.4        | 4.3  | 9.8        | 0.3        | 6.3   | 14.9        | 0.3        | 2.4  | 4.7        | 0.4        | 1.5  | 3.3        | 0.2        | 2.3   | 5.3        | 0.3        |
| Poltav'ska                                       | 5.9  | 12.2        | 0.5        | 3.4  | 8.0        | 0.1        | 5.1   | 11.9        | 0.3        | 4.2  | 8.9        | 0.1        | 2.4  | 5.8        | 0.0        | 3.7   | 9.2        | 0.1        |
| Rivnenska  | 3.5  | 6.9         | 0.3        | 2.5  | 5.6        | 0.2        | 3.6   | 8.3         | 0.2        | 2.1  | 4.2        | 0.2        | 1.5  | 3.4        | 0.1        | 2.3   | 5.4        | 0.1        |
| Sumska   | 6.3  | 13.7        | 0.2        | 3.8  | 8.9        | 0.1        | 5.7   | 13.7        | 0.2        | 3.5  | 7.6        | 0.0        | 2.0  | 5.0        | 0.0        | 3.1   | 8.0        | 0.0        |
| Ternopil'ska                                     | 6.1  | 13.1        | 0.0        | 4.0  | 9.3        | 0.0        | 6.0   | 14.6        | 0.0        | 3.4  | 7.2        | 0.0        | 2.0  | 5.0        | 0.0        | 3.2   | 8.1        | 0.0        |
| Kharkiv'ska                                      | 6.3  | 12.7        | 0.8        | 3.5  | 8.2        | 0.5        | 5.6   | 13.4        | 0.7        | 4.2  | 8.6        | 0.3        | 2.3  | 5.7        | 0.1        | 3.7   | 9.2        | 0.2        |
| Kherson'ska                                      | 6.4  | 13.0        | 0.7        | 3.9  | 8.9        | 0.5        | 5.9   | 14.2        | 0.6        | 4.8  | 9.9        | 0.4        | 2.8  | 6.6        | 0.2        | 4.3   | 10.3       | 0.3        |
| Khmelnytska                                      | 6.3  | 13.5        | 0.1        | 3.8  | 8.9        | 0.1        | 5.7   | 14.0        | 0.1        | 2.9  | 6.2        | 0.0        | 1.7  | 4.1        | 0.0        | 2.7   | 6.8        | 0.0        |
| Cherkaska  | 5.9  | 12.4        | 0.4        | 3.5  | 8.1        | 0.2        | 5.1   | 12.0        | 0.4        | 2.9  | 6.3        | 0.0        | 1.6  | 3.9        | 0.0        | 2.6   | 6.5        | 0.0        |
| Chernivetska                                     | 5.4  | 10.8        | 0.6        | 3.7  | 8.2        | 0.3        | 5.6   | 12.9        | 0.5        | 2.9  | 5.9        | 0.2        | 1.9  | 4.5        | 0.1        | 3.1   | 7.6        | 0.2        |
| Chernigiv'ska                                    | 5.8  | 12.4        | 0.4        | 3.3  | 7.7        | 0.1        | 4.7   | 11.5        | 0.2        | 4.8  | 10.5       | 0.0        | 2.5  | 6.4        | 0.0        | 4.0   | 10.5       | 0.0        |
| Kyiv city  | 3.6  | 7.2         | 0.5        | 2.3  | 5.1        | 0.3        | 3.4   | 7.8         | 0.4        | 1.7  | 3.6        | 0.1        | 1.0  | 2.5        | 0.0        | 1.6   | 3.8        | 0.1        |
| Sevastopol city                                  |  |             |            |  |            |            |   |             |            |  |            |            |  |            |            |   |            |            |

| Table 3 -<br>Incidence and<br>mortality,<br>2016 | Number of new cancer<br>cases registered in 2016* |     |    | Crude incidence rate<br>per 100 000 of population |             |            | Number of deaths from<br>cancer registered in 2016* |     |   | Crude mortality rate<br>per 100 000 of population |            |            |
|--|---|-----|----|---|-------------|------------|---|-----|---|---|------------|------------|
|  | ♂   | ♀   | ▲  | ♂   | ♀           | ▲          | ♂   | ♀   | ▲ | ♂   | ♀          | ▲          |
| <b>Ukraine</b>                                   |   |     |    | <b>5.1</b>  | <b>10.4</b> | <b>0.5</b> |   |     |   | <b>2.9</b>  | <b>6.1</b> | <b>0.2</b> |
| AR Krym  |   |     |    |   |             |            |   |     |   |   |            |            |
| Vinnitska  | 65  | 64  | 1  | 4.1   | 8.7         | 0.1        | 44  | 43  | 1 | 2.8   | 5.8        | 0.1        |
| Volynska   | 56  | 53  | 3  | 5.4   | 10.8        | 0.6        | 38  | 36  | 2 | 3.7   | 7.3        | 0.4        |
| Dnipropetrovska                                  | 141   | 132 | 9  | 4.3   | 8.9         | 0.5        | 88  | 82  | 6 | 2.7   | 5.5        | 0.3        |
| Donetska   | 40  | 39  | 1  |   |             |            | 33  | 32  | 1 |   |            |            |
| Zhytomyrska                                      | 56  | 52  | 4  | 4.5   | 9.0         | 0.6        | 43  | 43  | 0 | 3.4   | 7.4        | 0.0        |
| Zakarpatska                                      | 52  | 50  | 2  | 4.1   | 8.3         | 0.3        | 45  | 45  | 0 | 3.6   | 7.5        | 0.0        |
| Zaporizka  | 82  | 77  | 5  | 4.7   | 9.6         | 0.5        | 50  | 48  | 2 | 2.9   | 6.0        | 0.2        |
| Ivano-Frankivska                                 | 67  | 65  | 2  | 4.9   | 10.0        | 0.3        | 45  | 44  | 1 | 3.3   | 6.8        | 0.1        |
| Kyivska  | 91  | 86  | 5  | 5.3   | 10.8        | 0.5        | 50  | 50  | 0 | 2.9   | 6.3        | 0.0        |
| Kirovogradska                                    | 61  | 54  | 7  | 6.3   | 12.2        | 1.3        | 26  | 23  | 3 | 2.7   | 5.2        | 0.6        |
| Luhanska   | 40  | 39  | 1  |   |             |            | 20  | 17  | 3 |   |            |            |
| Lvivska  | 179   | 165 | 14 | 7.1   | 13.8        | 1.1        | 69  | 68  | 1 | 2.7   | 5.7        | 0.1        |
| Mykolaivska                                      | 83  | 82  | 1  | 7.2   | 15.3        | 0.2        | 41  | 40  | 1 | 3.5   | 7.5        | 0.2        |
| Odeska   | 112   | 106 | 6  | 4.7   | 9.5         | 0.5        | 58  | 55  | 3 | 2.4   | 4.9        | 0.2        |
| Poltavska  | 68  | 64  | 4  | 4.8   | 9.7         | 0.5        | 48  | 46  | 2 | 3.4   | 7.0        | 0.3        |
| Rivnenska  | 36  | 36  | 0  | 3.1   | 6.5         | 0.0        | 30  | 30  | 0 | 2.6   | 5.5        | 0.0        |
| Sumska   | 76  | 75  | 1  | 6.8   | 14.8        | 0.2        | 48  | 47  | 1 | 4.3   | 9.2        | 0.2        |
| Ternopil'ska                                     | 50  | 47  | 3  | 4.7   | 9.5         | 0.5        | 35  | 35  | 0 | 3.3   | 7.1        | 0.0        |
| Kharkivska                                       | 168   | 156 | 12 | 6.2   | 12.5        | 0.8        | 112   | 106 | 6 | 4.1   | 8.5        | 0.4        |
| Khersonska                                       | 66  | 64  | 2  | 6.2   | 13.0        | 0.4        | 38  | 38  | 0 | 3.6   | 7.7        | 0.0        |
| Khmelnitska                                      | 89  | 86  | 3  | 6.9   | 14.4        | 0.4        | 34  | 34  | 0 | 2.6   | 5.7        | 0.0        |
| Cherkaska  | 64  | 63  | 1  | 5.2   | 11.1        | 0.2        | 28  | 28  | 0 | 2.3   | 4.9        | 0.0        |
| Chernivetska                                     | 44  | 42  | 2  | 4.9   | 9.9         | 0.4        | 24  | 24  | 0 | 2.7   | 5.6        | 0.0        |
| Chernigivska                                     | 50  | 50  | 0  | 4.8   | 10.6        | 0.0        | 28  | 28  | 0 | 2.7   | 6.0        | 0.0        |
| Kyiv city  | 81  | 74  | 7  | 2.8   | 5.6         | 0.5        | 38  | 36  | 2 | 1.3   | 2.7        | 0.1        |
| Sevastopol city                                  |   |     |    |   |             |            |   |     |   |   |            |            |

\* - number of new cases and deaths for whole Ukraine is omitted due to the impossibility of obtaining data from some regions

| Table 4 -<br>Rates,<br>2016 | Stage distribution of new<br>cases, %* |             |             |                   | Lived less<br>than 1 year<br>since<br>diagnosis in<br>2015, % | of which:<br>diagnosed<br>post-mortem<br>in 2015 | Received<br>anti-cancer<br>treatment,<br>% | Micro-<br>scopically<br>verified,<br>% | During the<br>pre-<br>ventive<br>exami-<br>nation, % | Patients per 100 000 of<br>population |             |            |
|-----------------------------|--|-------------|-------------|-------------------|---|--|--|--|--|---------------------------------------|-------------|------------|
|                             | I-II                                   | III         | IV          | Not<br>determined |   |  |  |  |  | ♂                                     | ♀           | ▲          |
| <b>Ukraine</b>              | <b>37.7</b>                            | <b>45.5</b> | <b>12.8</b> | <b>3.8</b>        | <b>29.0</b>   |  | <b>77.4</b>                                | <b>92.6</b>                            | <b>15.2</b>  | <b>35.7</b>                           | <b>70.9</b> | <b>5.3</b> |
| AR Krym                     |  |             |             |                   |   |  |  |  |  |                                       |             |            |
| Vinnitska                   | 50.0                                   | 43.8        | 6.3         | 0.0               | 30.0  | 0  | 85.9                                       | 95.4                                   | 20.3   | 35.9                                  | 72.5        | 4.4        |
| Volynska                    | 33.3                                   | 50.0        | 14.8        | 1.9               | 40.0  | 3  | 87.0                                       | 100.0                                  | 3.7  | 32.1                                  | 64.1        | 3.6        |
| Dnipropetrovska             | 34.6                                   | 45.1        | 5.3         | 14.3              | 27.3  | 2  | 67.7                                       | 90.8                                   | 7.5  | 34.9                                  | 70.4        | 5.0        |
| Donetska                    | 36.8                                   | 55.3        | 5.3         | 2.6               |   |  | 76.3                                       | 92.5                                   | 15.8   |                                       |             |            |
| Zhytomyrska                 | 39.6                                   | 49.1        | 11.3        | 0.0               | 33.0  | 0  | 84.9                                       | 96.4                                   | 18.9   | 32.1                                  | 63.0        | 5.4        |
| Zakarpatska                 | 32.0                                   | 48.0        | 18.0        | 2.0               | 35.6  | 4  | 82.0                                       | 96.2                                   | 0.0  | 27.1                                  | 51.1        | 4.9        |
| Zaporizka                   | 34.2                                   | 43.0        | 12.7        | 11.4              | 28.2  | 2  | 63.3                                       | 96.3                                   | 17.7   | 35.9                                  | 72.0        | 5.6        |
| Ivano-Frankivska            | 40.0                                   | 43.1        | 15.4        | 1.5               | 37.5  | 0  | 90.8                                       | 95.5                                   | 35.4   | 31.0                                  | 60.9        | 4.3        |
| Kyivska                     | 35.6                                   | 39.1        | 24.1        | 0.0               | 34.3  | 2  | 73.6                                       | 79.1                                   | 14.9   | 39.6                                  | 79.3        | 5.5        |
| Kirovogradska               | 45.6                                   | 31.6        | 22.8        | 0.0               | 20.0  | 2  | 77.2                                       | 88.5                                   | 19.3   | 36.1                                  | 70.9        | 6.5        |
| Luhanska                    | 34.2                                   | 26.3        | 18.4        | 21.1              |   |  | 60.5                                       | 97.5                                   | 10.5   |                                       |             |            |
| Lvivska                     | 31.5                                   | 46.1        | 19.4        | 3.0               | 20.0  | 0  | 80.6                                       | 90.5                                   | 0.6  | 50.0                                  | 98.5        | 6.3        |
| Mykolaivska                 | 36.3                                   | 62.5        | 1.3         | 0.0               | 48.7  | 2  | 72.5                                       | 95.2                                   | 31.3   | 44.6                                  | 90.2        | 5.3        |
| Odeska                      | 35.4                                   | 35.4        | 25.0        | 4.2               | 19.5  | 0  | 74.0                                       | 91.1                                   | 1.0  | 39.5                                  | 77.4        | 5.9        |
| Poltavska                   | 15.6                                   | 70.3        | 14.1        | 0.0               | 31.3  | 0  | 70.3                                       | 91.2                                   | 6.3  | 38.9                                  | 78.0        | 5.4        |
| Rivnenska                   | 44.4                                   | 41.7        | 8.3         | 5.6               | 35.9  | 0  | 69.4                                       | 94.4                                   | 33.3   | 23.8                                  | 47.0        | 2.8        |
| Sumska                      | 54.9                                   | 43.7        | 1.4         | 0.0               | 18.0  | 0  | 91.5                                       | 94.7                                   | 14.1   | 38.6                                  | 78.1        | 5.3        |
| Ternopil'ska                | 37.0                                   | 58.7        | 2.2         | 0.0               | 21.0  | 0  | 89.1                                       | 98.0                                   | 32.6   | 41.1                                  | 83.1        | 4.4        |
| Kharkivska                  | 37.3                                   | 42.4        | 15.8        | 4.4               | 41.8  | 2  | 67.1                                       | 85.7                                   | 28.5   | 36.3                                  | 69.3        | 7.7        |
| Khersonska                  | 43.9                                   | 42.1        | 14.0        | 0.0               | 21.7  | 1  | 80.7                                       | 92.4                                   | 0.0  | 32.6                                  | 64.1        | 5.5        |
| Khmelnitska                 | 52.3                                   | 46.5        | 1.2         | 0.0               | 16.9  | 0  | 75.6                                       | 89.9                                   | 4.7  | 32.5                                  | 63.8        | 5.3        |
| Cherkaska                   | 51.6                                   | 32.3        | 16.1        | 0.0               | 31.0  | 3  | 91.9                                       | 100.0                                  | 6.5  | 36.9                                  | 75.4        | 4.3        |
| Chernivetska                | 54.8                                   | 40.5        | 4.8         | 0.0               | 25.0  | 0  | 85.7                                       | 95.5                                   | 35.7   | 37.7                                  | 72.5        | 6.9        |
| Chernigivska                | 20.4                                   | 57.1        | 22.4        | 0.0               | 35.7  | 1  | 81.6                                       | 100.0                                  | 16.3   | 33.5                                  | 68.0        | 4.8        |
| Kyiv city                   | 26.3                                   | 50.0        | 9.2         | 14.5              | 18.1  | 4  | 81.6                                       | 98.8                                   | 31.6   | 25.8                                  | 51.1        | 4.0        |
| Sevastopol city             |  |             |             |                   |   |  |  |  |  |                                       |             |            |

\* - Ann-Arbour stage for lymphomas, stage according to TNM for other cancers