

| Table 1 - General rates, 2016   |   | 👤👤         | 👤          | 👤          |
|---|---|------------|------------|------------|
| Incidence: number of new cases*   |   | 14533      | 127        | 14406      |
| Incidence (crude rate)  |   | 40.2       | 0.8        | 74.4       |
| Incidence (age-standardized, world standard)                              |   | 25.1       | 0.5        | 43.9       |
| Incidence (age-standardized, Ukrainian standard)                          |   | 37.3       | 0.8        | 63.7       |
| Change of incidence rate 2016 compared to 2015, %<br>(Ukrainian standard) |   | 0.4%<br>~~ | 0.0%<br>~~ | 0.1%<br>~~ |
| Mortality: number of new cases*   |   | 5895       | 44         | 5851       |
| Mortality (crude rate)  |   | 16.3       | 0.3        | 30.2       |
| Mortality (age-standardized, world standard)                              |   | 9.2        | 0.2        | 15.6       |
| Mortality (age-standardized, Ukrainian standard)                          |   | 14.8       | 0.3        | 24.4       |
| Lived less than 1 year since the diagnosis in 2015, %                     |   | 9.8        | 12.8       | 9.8        |
| From among the newly diagnosed – diagnosed post mortem, %                 |   | 0.3        | 0.9        | 0.3        |
| Microscopically verified diagnoses, %                                     |   | 93.1       | 94.5       | 93.1       |
| Diagnoses verified with histology, %                                      |   | 83.3       | 74.8       | 83.4       |
| Not specified morphology, %   |   | 7.0        | 11.7       | 7.0        |
| Patients diagnosed during the preventive medical examinations, %          |   | 45.4       | 40.9       | 45.4       |
| Newly diagnosed patients received the anti-cancer treatment, %            |   | 82.7       | 77.8       | 82.7       |
| - surgical treatment only, %  |   | 15.1       | 23.1       | 15.0       |
| - treatment combined or complex, %  |   | 53.0       | 40.2       | 53.1       |
| Incidence of children population<br>(age 0-17 years):                     | cases*                                  | -          | -          | -          |
|   | rate per 100 000 of children population | -          | -          | -          |
| Mortality of children population<br>(age 0-17 years):                     | cases*                                  | -          | -          | -          |
|   | rate per 100 000 of children population | -          | -          | -          |

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

| Table 2 -<br>Incidence and<br>mortality,<br>2016 | 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>40.2</b>  | <b>0.8</b> | <b>74.4</b> | <b>25.1</b>  | <b>0.5</b> | <b>43.9</b> | <b>37.3</b>   | <b>0.8</b> | <b>63.7</b> | <b>16.3</b>  | <b>0.3</b> | <b>30.2</b> | <b>9.2</b>   | <b>0.2</b> | <b>15.6</b> | <b>14.8</b>   | <b>0.3</b> | <b>24.4</b> |
| AR Krym  |  |            |             |  |            |             |   |            |             |  |            |             |  |            |             |   |            |             |
| Vinnitska  | 36.4   | 0.4        | 67.2        | 22.7   | 0.3        | 40.3        | 33.1  | 0.3        | 57.6        | 17.1   | 0.1        | 31.6        | 9.1  | 0.1        | 15.7        | 14.5  | 0.1        | 24.4        |
| Volynska   | 25.4   | 0.2        | 47.8        | 17.8   | 0.2        | 31.7        | 26.5  | 0.3        | 46.0        | 12.9   | 0.4        | 24.0        | 8.5  | 0.3        | 14.6        | 13.3  | 0.7        | 22.1        |
| Dnipropetrovska                                  | 44.8   | 0.1        | 82.5        | 26.7   | 0.1        | 45.9        | 40.0  | 0.1        | 67.2        | 20.4   | 0.1        | 37.5        | 11.0   | 0.1        | 18.2        | 17.7  | 0.2        | 28.7        |
| Donetska   |  |            |             |  |            |             |   |            |             |  |            |             |  |            |             |   |            |             |
| Zhytomyrska                                      | 38.4   | 0.5        | 71.2        | 24.7   | 0.4        | 43.6        | 36.7  | 0.9        | 63.1        | 15.1   | 0.4        | 27.8        | 8.5  | 0.3        | 14.4        | 13.5  | 0.4        | 22.3        |
| Zakarpatska                                      | 25.6   | 0.8        | 48.6        | 18.6   | 0.7        | 33.5        | 27.5  | 1.3        | 48.4        | 10.6   | 0.7        | 19.8        | 7.4  | 0.5        | 12.8        | 11.3  | 0.7        | 19.2        |
| Zaporizka  | 47.9   | 0.5        | 87.7        | 28.0   | 0.3        | 48.4        | 41.9  | 0.5        | 70.6        | 20.1   | 0.5        | 36.6        | 10.1   | 0.3        | 16.5        | 16.7  | 0.6        | 26.6        |
| Ivano-Frankivska                                 | 24.8   | 0.6        | 46.5        | 17.1   | 0.3        | 30.8        | 24.9  | 0.6        | 43.9        | 12.0   | 0.0        | 22.8        | 7.4  | 0.0        | 12.8        | 12.1  | 0.0        | 20.4        |
| Kyivska  | 47.3   | 0.5        | 87.5        | 29.2   | 0.3        | 50.9        | 43.3  | 0.5        | 73.8        | 17.1   | 0.3        | 31.6        | 9.7  | 0.2        | 16.3        | 15.4  | 0.3        | 25.2        |
| Kirovogradska                                    | 43.0   | 0.9        | 78.9        | 24.2   | 0.6        | 41.6        | 36.9  | 0.9        | 61.9        | 18.8   | 0.0        | 34.9        | 9.7  | 0.0        | 16.5        | 15.8  | 0.0        | 26.1        |
| Luhanska   |  |            |             |  |            |             |   |            |             |  |            |             |  |            |             |   |            |             |
| Lvivska  | 35.9   | 0.9        | 67.4        | 23.8   | 0.7        | 42.4        | 35.0  | 0.9        | 61.2        | 15.2   | 0.1        | 28.9        | 9.4  | 0.1        | 16.4        | 14.8  | 0.1        | 25.3        |
| Mykolaivska                                      | 42.1   | 0.4        | 78.0        | 25.2   | 0.2        | 43.8        | 37.3  | 0.3        | 63.5        | 15.6   | 0.2        | 28.8        | 8.9  | 0.1        | 15.1        | 13.9  | 0.2        | 23.0        |
| Odeska   | 41.4   | 1.3        | 77.0        | 27.0   | 1.0        | 47.4        | 39.5  | 1.7        | 67.6        | 13.1   | 0.0        | 24.7        | 7.8  | 0.0        | 13.4        | 12.4  | 0.0        | 20.8        |
| Poltavska  | 40.8   | 0.5        | 75.2        | 24.0   | 0.3        | 42.3        | 35.5  | 0.6        | 61.0        | 18.9   | 0.8        | 34.4        | 10.2   | 0.4        | 17.4        | 16.4  | 0.9        | 27.0        |
| Rivnenska  | 32.0   | 0.7        | 60.2        | 23.4   | 0.6        | 41.7        | 35.3  | 1.0        | 61.2        | 10.4   | 0.2        | 19.7        | 7.0  | 0.2        | 12.0        | 11.3  | 0.2        | 18.8        |
| Sumska   | 46.4   | 1.2        | 84.5        | 26.8   | 0.5        | 47.1        | 39.4  | 1.1        | 67.7        | 17.0   | 0.6        | 30.9        | 8.6  | 0.3        | 14.4        | 13.8  | 0.5        | 22.5        |
| Ternopil'ska                                     | 29.0   | 0.4        | 54.0        | 18.7   | 0.3        | 33.5        | 28.1  | 0.4        | 49.0        | 14.0   | 0.2        | 26.1        | 8.0  | 0.2        | 13.7        | 13.0  | 0.2        | 21.7        |
| Kharkivska                                       | 44.6   | 0.6        | 82.6        | 26.7   | 0.4        | 46.3        | 40.1  | 0.5        | 67.9        | 20.2   | 0.3        | 37.4        | 10.7   | 0.2        | 17.9        | 17.6  | 0.4        | 28.5        |
| Khersonska                                       | 43.9   | 1.4        | 80.6        | 27.0   | 0.9        | 46.6        | 40.4  | 1.7        | 68.0        | 16.3   | 0.0        | 30.4        | 9.6  | 0.0        | 16.4        | 15.3  | 0.0        | 25.5        |
| Khmelnitska                                      | 39.8   | 1.3        | 73.1        | 24.5   | 0.9        | 43.1        | 36.2  | 1.5        | 62.0        | 16.8   | 0.7        | 30.8        | 9.2  | 0.4        | 15.8        | 14.4  | 0.8        | 23.9        |
| Cherkaska  | 43.3   | 1.8        | 78.3        | 24.5   | 1.1        | 42.4        | 36.6  | 1.7        | 61.8        | 16.1   | 0.4        | 29.3        | 8.3  | 0.2        | 14.1        | 13.5  | 0.3        | 22.3        |
| Chernivetska                                     | 28.9   | 0.9        | 53.7        | 19.7   | 0.7        | 35.0        | 29.5  | 1.4        | 50.8        | 17.5   | 0.2        | 32.9        | 10.6   | 0.2        | 18.1        | 17.6  | 0.3        | 29.1        |
| Chernigivska                                     | 38.3   | 0.4        | 69.8        | 23.1   | 0.3        | 40.7        | 33.2  | 0.4        | 57.3        | 12.7   | 0.0        | 23.3        | 6.9  | 0.0        | 11.9        | 10.4  | 0.0        | 17.5        |
| Kyiv city  | 51.7   | 1.2        | 95.1        | 32.6   | 0.8        | 56.1        | 49.3  | 1.4        | 83.2        | 16.7   | 0.3        | 30.7        | 9.7  | 0.2        | 16.2        | 16.0  | 0.3        | 26.3        |
| Sevastopol city                                  |  |            |             |  |            |             |   |            |             |  |            |             |  |            |             |   |            |             |

| Table 3 -<br>Incidence and<br>mortality,<br>2017 | Number of new cancer<br>cases registered in 2017* |    |      | Crude incidence rate<br>per 100 000 of population |            |             | Number of deaths from<br>cancer registered in 2017* |   |     | Crude mortality rate<br>per 100 000 of population |            |             |
|--|---|----|------|---|------------|-------------|---|---|-----|---|------------|-------------|
|  | ♂   | ♀  | ▲    | ♂   | ♀          | ▲           | ♂   | ♀ | ▲   | ♂   | ♀          | ▲           |
| <b>Ukraine</b>                                   |   |    |      | <b>37.2</b>                                       | <b>0.6</b> | <b>69.0</b> |   |   |     | <b>15.2</b>                                       | <b>0.3</b> | <b>28.1</b> |
| AR Krym  |   |    |      |   |            |             |   |   |     |   |            |             |
| Vinnyska   | 616   | 3  | 613  | 38.9  | 0.4        | 72.0        | 240   | 1 | 239 | 15.2  | 0.1        | 28.1        |
| Volynska   | 309   | 0  | 309  | 29.8  | 0.0        | 56.3        | 113   | 1 | 112 | 10.9  | 0.2        | 20.4        |
| Dnipropetrovska                                  | 1369  | 9  | 1360 | 42.4  | 0.6        | 77.7        | 546   | 6 | 540 | 16.9  | 0.4        | 30.8        |
| Donetska   | 558   | 4  | 554  |   |            |             | 264   | 3 | 261 |   |            |             |
| Zhytomyrska                                      | 397   | 3  | 394  | 32.0  | 0.5        | 59.3        | 185   | 3 | 182 | 14.9  | 0.5        | 27.4        |
| Zakarpatska                                      | 310   | 6  | 304  | 24.7  | 1.0        | 46.6        | 133   | 2 | 131 | 10.6  | 0.3        | 20.1        |
| Zaporizka  | 675   | 4  | 671  | 38.8  | 0.5        | 71.0        | 279   | 2 | 277 | 16.1  | 0.3        | 29.3        |
| Ivano-Frankivska                                 | 344   | 2  | 342  | 25.0  | 0.3        | 47.1        | 181   | 2 | 179 | 13.1  | 0.3        | 24.7        |
| Kyivska  | 743   | 6  | 737  | 43.0  | 0.8        | 79.1        | 260   | 1 | 259 | 15.0  | 0.1        | 27.8        |
| Kirovogradska                                    | 437   | 4  | 433  | 45.6  | 0.9        | 83.6        | 159   | 0 | 159 | 16.6  | 0.0        | 30.7        |
| Luhanska   | 218   | 1  | 217  |   |            |             | 95  | 2 | 93  |   |            |             |
| Lvivska  | 783   | 6  | 777  | 31.1  | 0.5        | 58.7        | 308   | 4 | 304 | 12.2  | 0.3        | 23.0        |
| Mykolaivska                                      | 497   | 6  | 491  | 43.2  | 1.1        | 79.5        | 176   | 1 | 175 | 15.3  | 0.2        | 28.4        |
| Odeska   | 830   | 5  | 825  | 34.9  | 0.5        | 65.5        | 299   | 0 | 299 | 12.6  | 0.0        | 23.8        |
| Poltavska  | 567   | 5  | 562  | 40.0  | 0.8        | 73.4        | 236   | 1 | 235 | 16.6  | 0.2        | 30.7        |
| Rivnenska  | 279   | 1  | 278  | 24.0  | 0.2        | 45.6        | 143   | 1 | 142 | 12.3  | 0.2        | 23.3        |
| Sumska   | 449   | 6  | 443  | 40.7  | 1.2        | 74.1        | 230   | 3 | 227 | 20.9  | 0.6        | 38.0        |
| Ternopil'ska                                     | 295   | 0  | 295  | 27.9  | 0.0        | 52.5        | 136   | 0 | 136 | 12.9  | 0.0        | 24.2        |
| Kharkivska                                       | 1089  | 8  | 1081 | 40.6  | 0.6        | 75.0        | 519   | 3 | 516 | 19.3  | 0.2        | 35.8        |
| Khersonska                                       | 460   | 6  | 454  | 43.6  | 1.2        | 80.3        | 151   | 2 | 149 | 14.3  | 0.4        | 26.4        |
| Khmelnyska                                       | 475   | 2  | 473  | 37.1  | 0.3        | 68.8        | 220   | 2 | 218 | 17.2  | 0.3        | 31.7        |
| Cherkaska  | 474   | 7  | 467  | 38.6  | 1.2        | 70.3        | 202   | 1 | 201 | 16.5  | 0.2        | 30.2        |
| Chernivetska                                     | 241   | 2  | 239  | 26.6  | 0.5        | 49.9        | 122   | 1 | 121 | 13.5  | 0.2        | 25.3        |
| Chernigivska                                     | 381   | 5  | 376  | 37.2  | 1.1        | 67.2        | 147   | 4 | 143 | 14.3  | 0.9        | 25.6        |
| Kyiv city  | 1374  | 10 | 1364 | 47.6  | 0.8        | 88.0        | 479   | 3 | 476 | 16.6  | 0.2        | 30.7        |
| 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>2017 | Stage distribution of new<br>cases*, % |             |            |                   | Lived less<br>than 1 year<br>since<br>diagnosis in<br>2016, % | of which:<br>diagnosed<br>post-mortem | Received<br>anti-cancer<br>treatment,<br>% | Micro-<br>scopically<br>verified,<br>% | During the<br>preven-<br>tive<br>exami-<br>nation, % | Patients per 100 000 of<br>population |            |              |
|-----------------------------|--|-------------|------------|-------------------|---|---------------------------------------|--|--|--|---------------------------------------|------------|--------------|
|                             | I-II                                   | III         | IV         | Not<br>determined |   |                                       |  |  |  | ♂                                     | ♀          | ▲            |
| <b>Ukraine</b>              | <b>74.5</b>                            | <b>15.0</b> | <b>8.0</b> | <b>1.9</b>        | <b>9.8</b>  |                                       | <b>80.2</b>                                | <b>92.4</b>                            | <b>48.2</b>  | <b>394.8</b>                          | <b>4.9</b> | <b>733.1</b> |
| AR Krym                     |  |             |            |                   |   |                                       |  |  |  |                                       |            |              |
| Vinnyska                    | 96.5                                   | 1.1         | 2.1        | 0.0               | 8.7   | 0                                     | 79.3                                       | 81.5                                   | 65.6   | 375.2                                 | 3.8        | 694.3        |
| Volynska                    | 81.6                                   | 6.8         | 11.3       | 0.0               | 11.2  | 3                                     | 87.0                                       | 98.1                                   | 62.1   | 288.0                                 | 1.0        | 544.2        |
| Dnipropetrovska             | 66.2                                   | 21.9        | 10.5       | 1.1               | 12.2  | 5                                     | 70.3                                       | 94.4                                   | 35.4   | 420.7                                 | 3.9        | 771.9        |
| Donetska                    | 64.4                                   | 24.9        | 9.5        | 0.6               |   |                                       | 78.9                                       | 91.6                                   | 24.3   |                                       |            |              |
| Zhytomyrska                 | 68.9                                   | 18.7        | 9.5        | 1.8               | 9.2   | 0                                     | 86.3                                       | 99.0                                   | 49.7   | 339.9                                 | 3.6        | 631.7        |
| Zakarpatska                 | 64.7                                   | 21.5        | 12.9       | 0.3               | 8.7   | 1                                     | 74.3                                       | 91.9                                   | 54.8   | 245.3                                 | 3.3        | 469.1        |
| Zaporizka                   | 69.3                                   | 19.8        | 8.9        | 1.3               | 9.5   | 1                                     | 76.5                                       | 92.6                                   | 60.2   | 416.8                                 | 4.0        | 763.7        |
| Ivano-Frankivska            | 74.4                                   | 14.2        | 10.5       | 0.3               | 9.9   | 0                                     | 78.6                                       | 87.8                                   | 34.6   | 258.0                                 | 3.7        | 486.2        |
| Kyivska                     | 73.7                                   | 17.6        | 7.7        | 0.0               | 8.9   | 0                                     | 75.8                                       | 82.4                                   | 50.6   | 429.3                                 | 5.3        | 792.1        |
| Kirovogradska               | 77.1                                   | 11.8        | 10.4       | 0.2               | 11.1  | 4                                     | 75.6                                       | 91.1                                   | 37.0   | 394.2                                 | 5.4        | 725.5        |
| Luhanska                    | 60.8                                   | 26.0        | 8.8        | 4.4               |   |                                       | 82.8                                       | 97.7                                   | 48.0   |                                       |            |              |
| Lvivska                     | 76.5                                   | 14.7        | 5.1        | 2.9               | 7.0   | 0                                     | 83.2                                       | 93.1                                   | 50.5   | 335.5                                 | 4.9        | 633.4        |
| Mykolaivska                 | 85.7                                   | 9.3         | 5.0        | 0.0               | 10.2  | 4                                     | 89.3                                       | 94.0                                   | 56.1   | 469.5                                 | 5.3        | 869.5        |
| Odeska                      | 62.2                                   | 20.8        | 12.6       | 3.5               | 6.4   | 2                                     | 82.1                                       | 85.4                                   | 18.9   | 442.1                                 | 7.4        | 827.7        |
| Poltavska                   | 67.3                                   | 21.6        | 10.3       | 0.4               | 12.8  | 0                                     | 74.9                                       | 94.7                                   | 33.8   | 409.2                                 | 5.2        | 754.2        |
| Rivnenska                   | 72.2                                   | 16.3        | 10.0       | 0.7               | 8.4   | 0                                     | 79.3                                       | 94.6                                   | 58.1   | 271.8                                 | 4.7        | 513.2        |
| Sumska                      | 87.6                                   | 3.7         | 3.5        | 5.2               | 6.0   | 0                                     | 82.2                                       | 90.2                                   | 55.0   | 438.9                                 | 5.6        | 805.0        |
| Ternopil'ska                | 76.5                                   | 13.0        | 9.4        | 0.0               | 9.2   | 0                                     | 89.5                                       | 94.6                                   | 54.5   | 300.5                                 | 4.1        | 560.7        |
| Kharkivska                  | 78.1                                   | 11.1        | 5.8        | 4.4               | 11.7  | 2                                     | 79.0                                       | 95.2                                   | 50.1   | 487.5                                 | 5.6        | 903.8        |
| Khersonska                  | 79.8                                   | 10.7        | 8.6        | 0.2               | 8.6   | 3                                     | 82.8                                       | 95.7                                   | 37.1   | 437.6                                 | 6.6        | 810.2        |
| Khmelnyska                  | 90.0                                   | 5.0         | 4.1        | 0.2               | 8.3   | 0                                     | 82.8                                       | 88.6                                   | 46.9   | 376.1                                 | 3.9        | 698.3        |
| Cherkaska                   | 76.4                                   | 12.6        | 9.7        | 0.7               | 9.9   | 2                                     | 85.8                                       | 92.4                                   | 44.4   | 441.7                                 | 8.5        | 808.4        |
| Chernivetska                | 62.3                                   | 21.9        | 14.9       | 0.9               | 13.8  | 2                                     | 81.6                                       | 92.1                                   | 40.8   | 290.0                                 | 4.9        | 543.5        |
| Chernigivska                | 74.3                                   | 13.7        | 11.2       | 0.0               | 9.4   | 0                                     | 86.9                                       | 95.3                                   | 48.6   | 382.0                                 | 3.9        | 696.7        |
| Kyiv city                   | 77.0                                   | 12.9        | 3.5        | 6.5               | 11.7  | 14                                    | 83.6                                       | 98.1                                   | 77.7   | 502.1                                 | 5.9        | 929.3        |
| Sevastopol city             |  |             |            |                   |   |                                       |  |  |  |                                       |            |              |

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