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Tendency of ovarian cancer morbidity and mortality in Uzbekistan according to the cancer registry system

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Background

According to World Health Organization, ovarian cancer takes seventh place among all types of cancer and the third place among malignant neoplasms of female reproductive system after cancer of the cervix and uterus. According to the International Agency for Research on Cancer, more than 165 000 new cases of ovarian cancer are registered annually in the world, with a mortality rate of over 100 thousand cases per year. In Uzbekistan in 2017 year in the structure of cancer incidence among women ovarian cancer took the third place with an incidence rate of 2.4 and a mortality rate of 1.3 per 100 000 population.

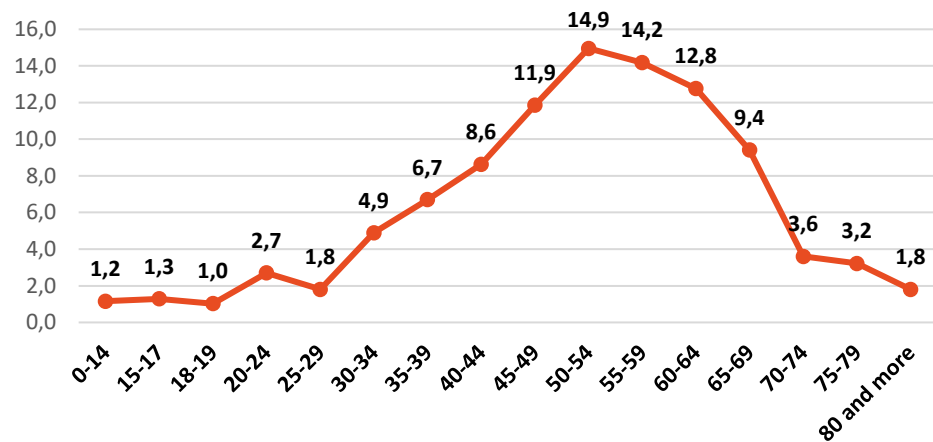
Aim

Study of the trends in morbidity and mortality in ovarian cancer in the Republic of Uzbekistan from 2013 to 2017.

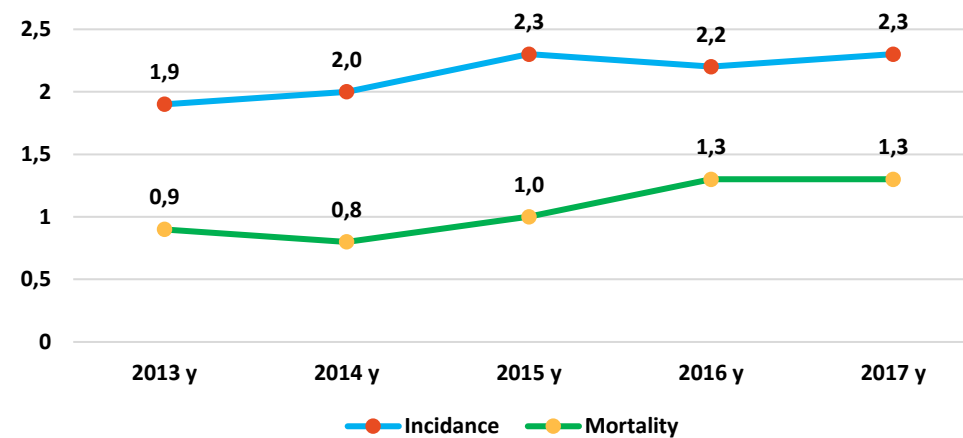
Methods

The materials and methods of this study were the main statistical indicators for the Republic for the period 2013–2017 according to the cancer register.

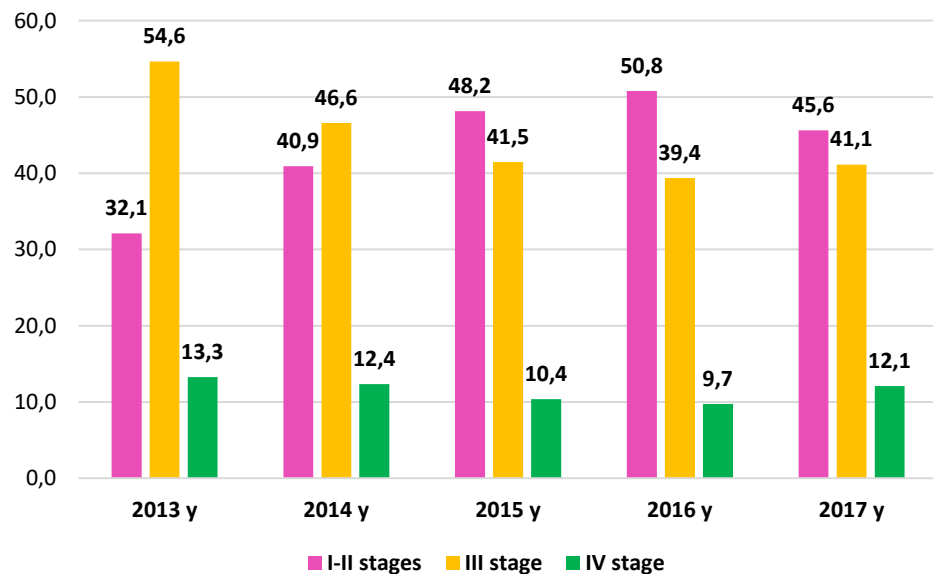
Percentage of women with ovarian cancer by age



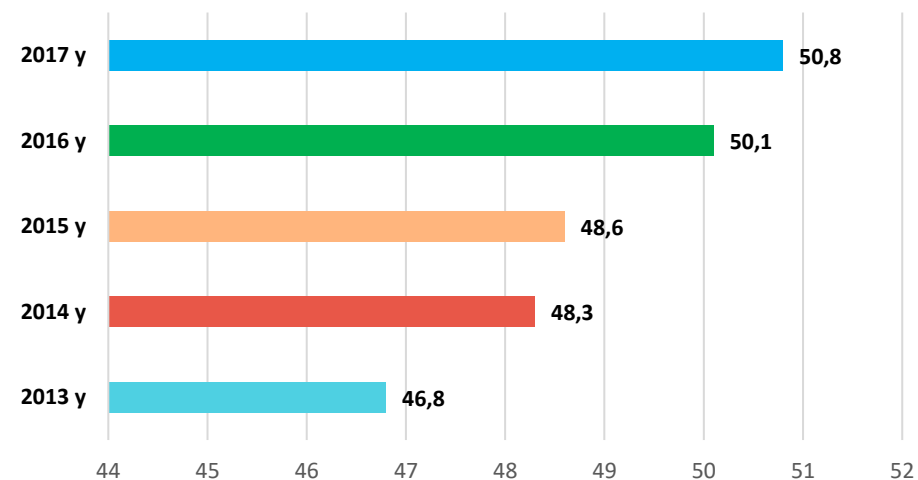
Ovarian cancer incidence



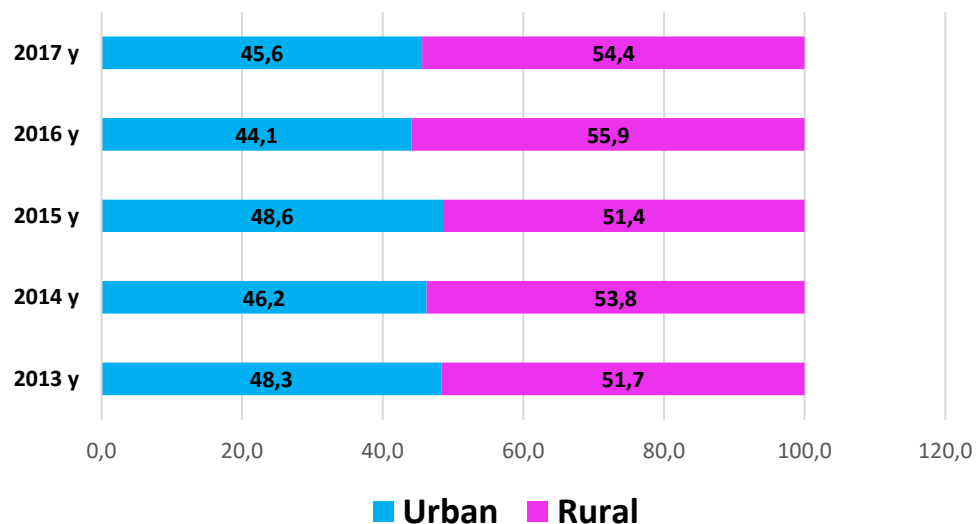
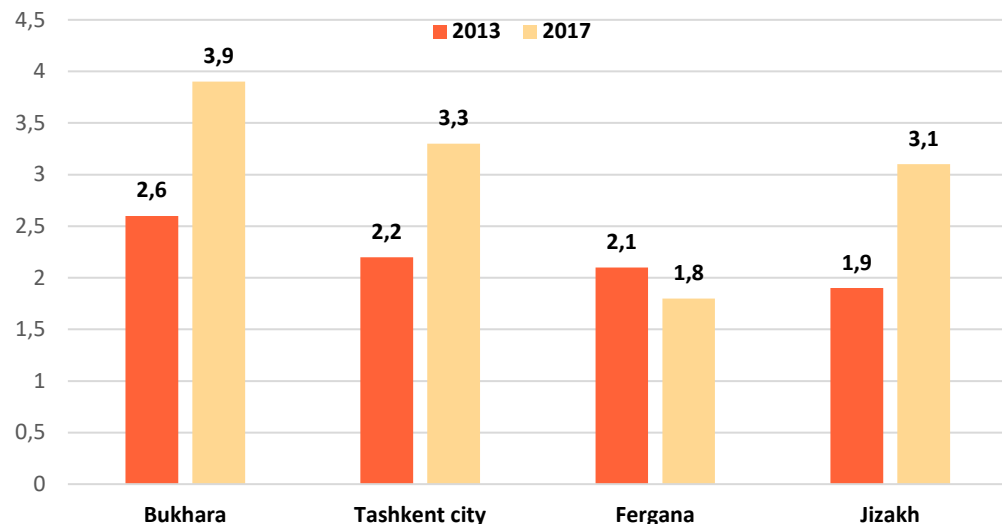
Percentage of women with ovarian cancer by stages



5-year survival rate for ovarian cancer



Incidence rate of ovarian cancer by regions



In 2013, in the structure of the incidence rate by Uzbekistan regions the 1st, 2nd and 3rd places were taken by Bukhara region, Tashkent city and Ferghana regions with incidence rates of 2.6, 2.2 and 2.1 per 100 000 populations respectively. At the same time, in 2017, leading positions were taken by Bukhara, Tashkent and Jizakh regions with incidence rates of 3.9, 3.3 and 3.1 per 100 000 population accordingly.

Moreover, from the number of women newly diagnosed with ovarian cancer from 2013 to 2017, it was revealed that 52.9% of patients were rural residents.

Conclusion

- As can be seen from the study, over the past 5 years there have been recorded trends in the growth of morbidity and mortality in the Republic of Uzbekistan.
- The percentage of patients with stage I-II ovarian cancer in dynamics is decreasing, however, there are still many patients with stages III and IV.
- Survival rate for ovarian cancer tends to increase over the last 5 years
- Based on this study, ovarian cancer requires more attention of oncologists in terms of timely diagnosis at the early stages of malignant growth.