

3rd International Cancer Study & Therapy Conference

May 2-4, 2018 Rome, Italy

Malignant Neoplasms: Morbidity and Mortality in the Republic of North Ossetia-Alania in 1990-2014

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Incidence of malignant neoplasms has a continuous and ubiquitous growth.

Purpose of the study: Study of the dynamics of morbidity and mortality from malignant neoplasms in the Republic of North Ossetia-Alania (RNO-Alania).

Materials and methods: Forms No. 7, No. 35, No. 5 (Table No. C51), Table 2 PH.

Results: For 25 years in the Republican Oncology Dispensary, 45,498 patients were on treatment. Men - 20720 (45.5%), women - 24778 (54.5%). The average age of patients was 63.2 (63.1 for men, 63.4 for women). Up to 14 years of the male sex - 0.9%, 15-29 years - 1.7%, 30-44 years - 5.8%, 45-59 years - 24.8%, 60-74 years - 47.9% And ≥ 75 years - 18.9%. In the able-bodied age - 44.5% and pension - 56.4%. Up to 14 years of the female sex - 0.6%, 15-29 years - 1.8%, 30-44 years - 5.8%, 45-59 years - 25.2%, 60-74 years - 40.7% And ≥ 75 years - 23.1%. In working age - 25.4% and pension - 74.0%. The sex of children under the age of 14 is 0.7%, 15-29 is 1.7%, 30-44 is 7.4%, 45-59 is 25.0%, 60-74 is 44.0% And ≥ 75 years - 21.2%.

The standardized indicator (world standard) of incidence for the entire follow-up period averaged 165.9 (men - 201.1 and women - 160.7) per 100 000 population. The averaged 5-year figures were in 1990-1994. - 142.9 (men - 167.4, women - 129.4); 1995-1999 - 158.4 (men - 184.4, women - 145.9); 2000-2004 - 168.3 (men - 194.5, women - 156.1); 2005-2009 - 187.9 (men - 212.5, women - 178.1); 2010-2014 - 207.7 (men - 246.6, women - 193.9) per 100 000 population.

The number of deaths was 27403. Men - 45.1% and women - 54.9%. The average age of the deceased was 59.1 (men 59.2, women 58.6). Up to 14 years of the male sex - 1.5%, 15-29 years - 2.8%, 30-44 years - 9.3%, 45-59 years - 34.2%, 60-74 years - 38.0% And ≥ 75 years - 14.1%. Up to 14 years of the female sex - 1.0%, 15-29 years - 2.8%, 30-44 years - 13.8%, 45-59 years - 34.3%, 60-74 years - 34.5% And ≥ 75 years - 13.6%. In working age - 37.8% and pension - 61.2%. For both sexes, up to 14 years of age - 1.2%, 15-29 years - 2.8%, 30-44 years - 11.8%, 45-59 years - 34.2%, 60-74 years - 36.1% And ≥ 75 years - 13.9%.

The standardized death rate averages 124.4 (men - 135.4 and women - 121.6) per 100 000 population. Averaged five-year mortality rates in 1990-1994. - 128.3 (men - 145.1, women - 121.1); 1995-1999 - 119.9 (men - 131.8, women - 115.3); 2000-2004 - 125.4 (men - 136.7, women - 121.2); 2005-2009 - 122.7 (men - 133.8, women - 120.9); 2010-2014 - 128.2 (men - 125.6, women - 129.5) per 100 000 population. Mortality does not tend to decrease.

Conclusion: Morbidity of malignant neoplasms is growing. Mortality does not decrease.