## SEX DIFFERENCES IN INCIDENCE AND SURVIVAL OF LUNG CANCER IN SOUTHEASTERN SPAIN

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## troduction

 by gender and histology. The objective of this study is to analyze the incidence and survival of lung cancer in Murcia Region.

## METHODS

Data come from Murcia Cancer Registry, population based. Period 1983-2018. Number of cases, incidence and age-standardized incidence rates to European population per 100,000 are calculated by sex. Joinpoint regression was used to detect changes in incidence trend with the annual percent change (APC). Agetandardized incidence rate by histological group (WHO 2021) was obtained for 1983-1990, 1991-2000, 2001-2010 and 2011-2018, and adjusted Net surviva (NS) at 5 years from diagnosis for 2000-2007 and 2008-2015

RESULTS
1983-2018, 15691 cases in men and 2311 in women were diagnosed. Annual percent change (APC) in men was 1.04\% in 1983-2004 and - $1.06 \%$ in 004-2018, and in women of $4.34 \%$ in $1983-2018$.
I 1983 -2018 the most histological group diagnosed in men was squamous
cell carcinomas (30\%), followed by adenocarcinomas (23\%) and neuroendocrine neoplasms (17\%), and in women adenocarcinomas (47\%), lung neuroendocrine neoplasms ( $16 \%$ ) and squamous cell carcinomas (11\%). The age-standardized incidence rate of adenocarcinomas raised from 8.0 in 1983-1990 to 23.8 in 2011-2018 in men, from 1.4 to 8.2 in women, and lung euroendocrine neoplasms in women from 0.2 to 3.4 .

008-2015 from 11.7\%

figure 4.5
A. Male



Figure 5 . Number of cases of lung cancer by histological group and sex. Region of Murcia, 1983-2018.

figure 7 . Percentage of ung cancer cases by histological group and sex. Region of Murcia, 1983- Figure 8 . Net survival of lung cancer by sex and time period. Region of Murcia, 1983${ }_{2018}$


## conclusions

Lung cancer incidence decreases in men since 2014 while in women increased continuously in the last 4 decades. Increased incidence of
denocarcinoma in both sexes and lung neuroendocrine neoplasms in women stands out. It highlights the greater lung cancer survival in women, having increased in both sexes.
Futher efforts are needed to promote smoking cessation in the population, with special attention to young people and women

