

Appendix S2

SUPPLEMENTARY RESULTS

Effect on gross earnings

Lifetime earnings loss was calculated as the average earning loss among patients compared with reference individuals from age 18 years to age 65 years. Before the index date the average earning loss was EUR 90, while it was EUR 1,331 per year from the index date until retirement.

Discussion

Management and treatment of patients with moderate-to-severe atopic dermatitis (AD) in Denmark is associated with an attributable yearly cost of AD to the healthcare sector of EUR 5.6 million, calculated as the average yearly attributable healthcare cost in year 1 to year 5 for the 2018 prevalent population of 4,999 patients with moderate-to-severe AD.

This is well illustrated by the average patient in this sample having the first AD-related hospital contact at age 35 years and imposing attributable healthcare costs of almost EUR 55,400 during adulthood, from 18–65 years of age; calculated as the average attributable lifetime healthcare cost including costs of prescription medicines of an average of EUR 757 in ages 18–34 years, EUR 3,596 in the year of diagnosis of AD (age 35 years) and an average of EUR 1,298 in the years from age 36–65 years.