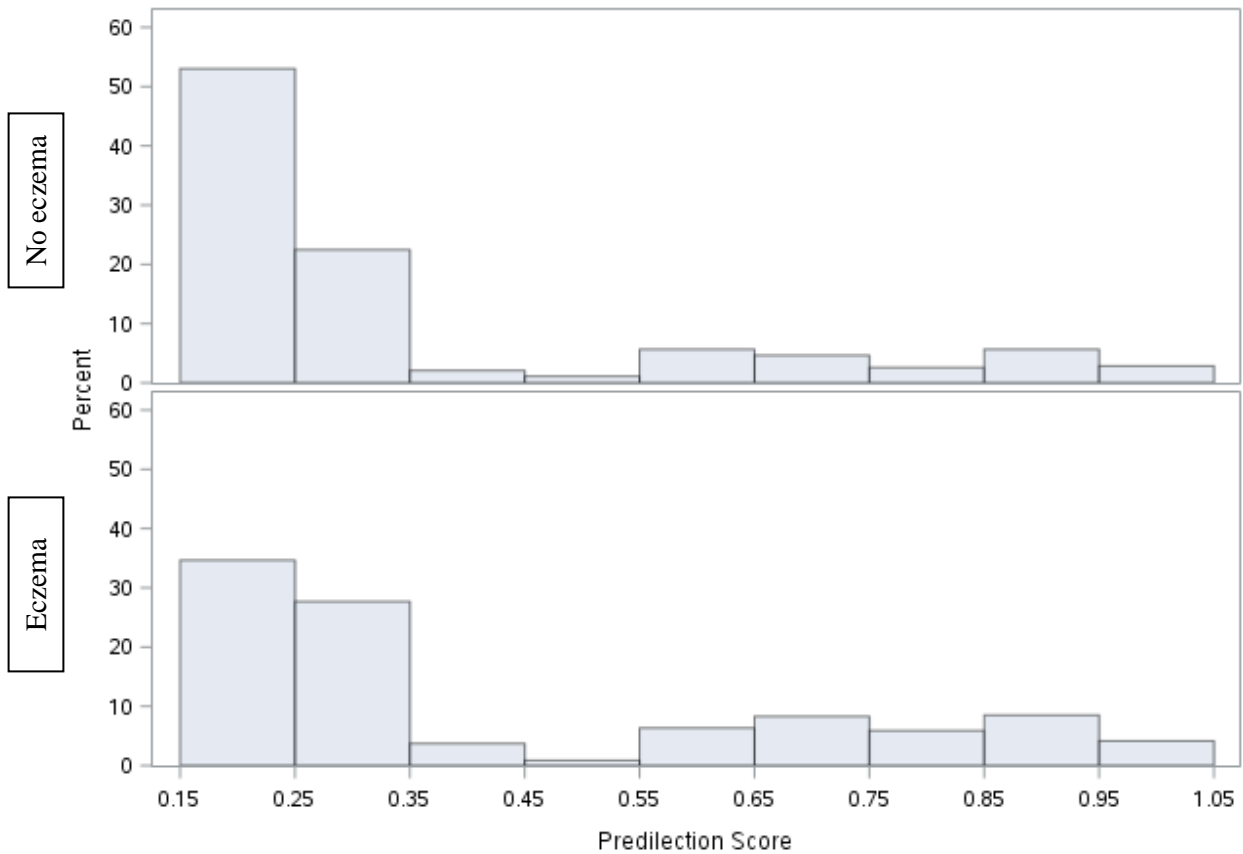


Supplementary Table 1. Prevalence of asthma and rhinitis according to history of eczema.

Atopic comorbidity	Persistent eczema present (n = 459 patients)	Persistent eczema absent (n = 54,864 patients)
Asthma	103 (22%)	5,435 (10%)
Rhinitis	132 (29%)	6,028 (11%)

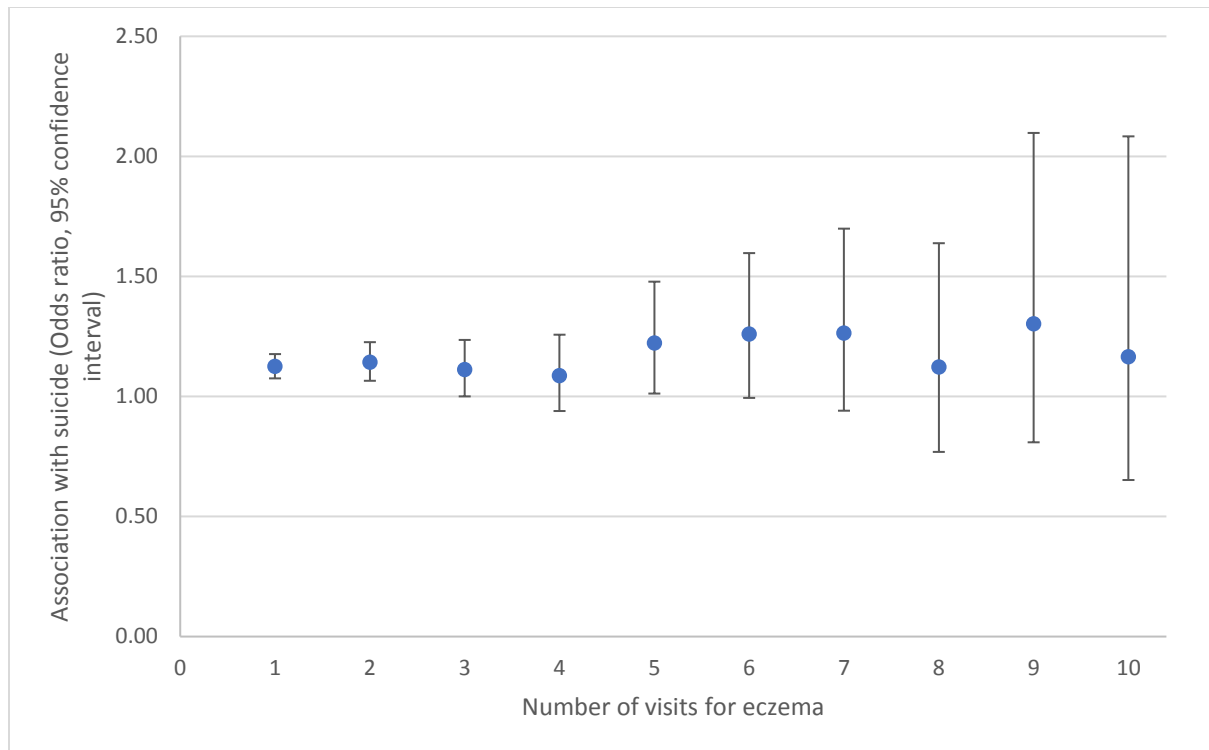
Comorbidities defined by truncated ICD-9 codes: asthma (493), rhinitis (477)

Supplementary figure 1. Distribution of the derived suicide predilection score according to history of eczema.



Low scores represent a lower risk for suicide based on the patient's history of mental health, sleep and substance disorders and high scores represent a higher risk. Main findings are that patients with persistent eczema have generally higher suicide predilection scores than patients without persistent eczema.

Supplementary figure 2. Association of eczema with suicide when different definitions of eczema are applied.



Eczema cases are defined by the presence of number of physician visits for diagnostic code 691, including patients with the given number of visits or more. The primary predictor is 5 or more visits for eczema. Results are presented as odds ratios (dots) and 95% confidence intervals (lines and bars).