TNT estimates to implement recommendations on treatment of actinic keratoses

By Minna Johansson and Victor Montori.

Please note that estimates are rough and should be interpreted with caution.

Table 5a

Time needed to improve the outcome for one person	Time needed to provide the intervention for all eligible in a practice of 2000 people	Time needed as proportion of time available
Not possible to estimate since there is no evidence that treating actinic keratoses reduces incidence of squamous cell carcinoma	60 h of GP time would be needed to provide the intervention to all eligible in a GP practice of 2000 people.	5.3% of total GP time available with patients (for all causes) would be needed to implement the recommendation.

How TNT estimates were derived (more details available in Table 5b below):

Guidance from the region of Västra Götaland in Sweden available here (in Swedish): https://alfresco-offentlig.vgregion.se/alfresco/service/vgr/storage/node/content/28554/Ansvarsf%C3%B6rdelning%20mellan%20dermatovenereologi%20och%20allm%C3%A4nmedicin.pdf?a=false&guest=true

Prevalence numbers available here: https://onlinelibrary.wiley.com/doi/full/10.1111/bjd.15107

Numbers on the Swedish population available here: https://www.scb.se/hitta-statistik/sverige-i-siffror/manniskorna-i-sverige/sveriges-befolkningspyramid/

30 minutes for 6% of the population.
6% of 2000 people = 120 people
30 minutes for 120 people = 3600 minutes = 60 hours
60 hours out of 1128 h available = 5.3%

Table 5b

Recommendation	Category of healthcare personnel	Time needed to provide the intervention to each person	Population eligible	Proportion of total population	Time needed per personnel category for all eligible
Isolated AK may be treated with expectancy or kryo therapy. Multiple AK should be treated locally with kryo therapy or imikvimid, ingenolmebutat, diklofenak, fluorouracil.	GPs	Not specified. We assume 30 minutes per patient.	Prevalence of AK has been estimated to 19-24% of individuals aged over 60 y and 3.6% of men aged 40-60 y. In Sweden there are 2 686 000 people above 60 y, and 1 333 000 men between 40-60 y.	6%	30 minutes for 6% of the population

			21.5% of 2 686 000 = 577 490, and 3.6% of 1 333 000 = 47 988, altogether = 625 478 Altogether, there are 10 457 147 people in Sweden. 625 478/10 457 147 = 6% of total population		