

Brigitte DRENO,¹ PIERRE LEVY,² GREGORY CAILLET,³ JULIE BEHILLIL,⁴ JEAN-MICHEL JOUBERT⁵ and JEAN MICHEL AMICI⁶
¹ NANTES UNIVERSITÉ, INSERM, CNRS, IMMUNOLOGY AND NEW CONCEPTS IN IMMUNOTHERAPY, INCIT, UMR 1302/EMR6001. F-44000 NANTES, FRANCE, ² Université Paris-Dauphine, Université PSL, LEDA[LEGOS], 75016 PARIS, France, ³Affaires Médicales, Almirall SAS, PARIS, France, ⁴Cerner Enviza France, PARIS, France, ⁵Affaires Gouvernementales, Almirall SAS, PARIS, France, ⁶Service de Dermatologie, CHU Bordeaux, Hôpital Saint-André, BORDEAUX, France

INTRODUCTION

- Actinic keratosis (AK) is a chronic disease caused by sun exposure that presents as recurrent rough skin lesions.¹
- AK is a risk factor for squamous cell carcinoma.²
- Epidemiological data on AK in France date from >25 years.
- Because advice on sun protection and treatment of AK has evolved since then, it is important to re-evaluate the prevalence and burden of AK.^{3,4}

OBJECTIVES

- To collect up-to-date data on the epidemiology of AK in the general population in France.
- To characterise patients with AK and their disease.

METHODS

- A postal questionnaire was sent to 15,246 individuals from a representative panel of the French population (METASKOPE).⁵
- This survey was conducted between November and December 2022 and consisted of 25 questions.
- Participants reporting current or previous AK lesions diagnosed by a physician constituted the study population.
- Information was collected on socio-demographic characteristics, diagnosis, lesions, care management and attitudes and expectations towards their disease.
- Participants not diagnosed by a physician were excluded.

RESULTS

- Of the 15,246 participants to the survey, 615 participants reported AK diagnosed by physician.
- The mean age was 68.9±11.4 years and 310 (50.4%) were men (Table 1).

Prevalence of AK

- The crude prevalence rate of AK was 4.0% (Fig. 1):
 - slightly higher in men than in women (4.3% vs 3.8%; NS)
 - increased with age from 1.7% in the 40-45 age group to 7.1% in the ≥80 age group (p<0.001) (Fig. 2).
 - higher in coastal regions than in inland regions (highest in the South-East: 5.7%; p<0.01) (Fig. 3).

Current AK

- Time since diagnosis was ≥3 years in 48.1% of the sample
- 69.3% had active AK at the time of the survey.
- 30.7% no longer had any lesions at the time of the survey.
- 103 (24.5%) reported a single lesion and 48 (11.4%) reported >10 lesions.
- Lesions were principally located on the face or neck in 327/420 participants (77.9%).

Table 1. Characteristics of participants

		N	%
Total survey participants		15 246	
Number of patients with diagnosed AK lesions		615	4.0%
Characteristic of AK diagnosed patients (n=615)			
Age	Mean age (years) ± SD	68.9 ± 11.4	
	Median age (min-max)	70.1 (40-98)	
Gender	Men	310	50.4%
	Women	305	49.6%
Familial status	Marital life	419	68.1%
	Single	58	9.4%
	Divorced	87	14.1%
	Widow	50	8.5%
Phototype	Phototypes I and II	352	57.2%
	Phototypes III and IV	234	38.0%
	Phototypes V and VI	1	0.2%
	Unknown	28	4.6%

Figure 1. Prevalence of AK by age and gender

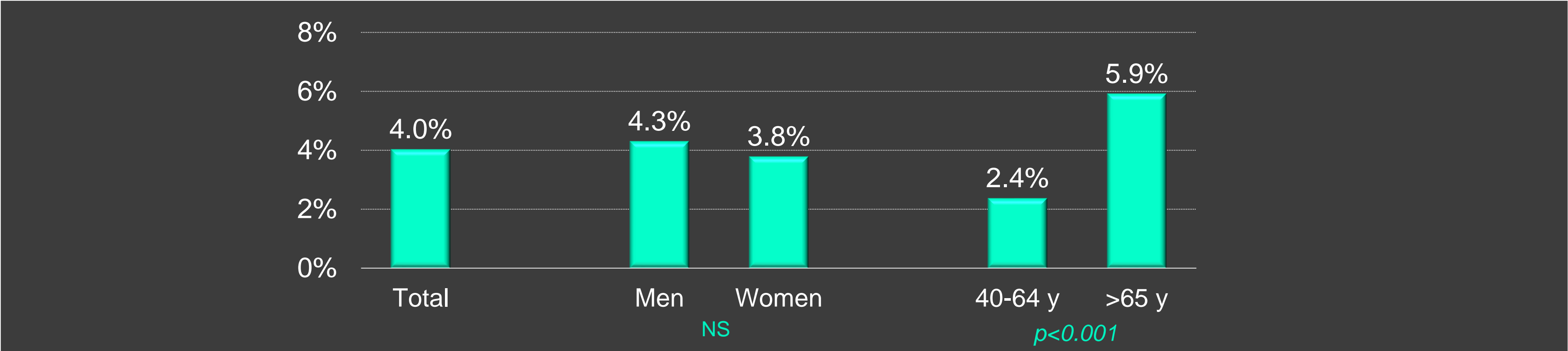


Figure 2. Prevalence of AK by age class

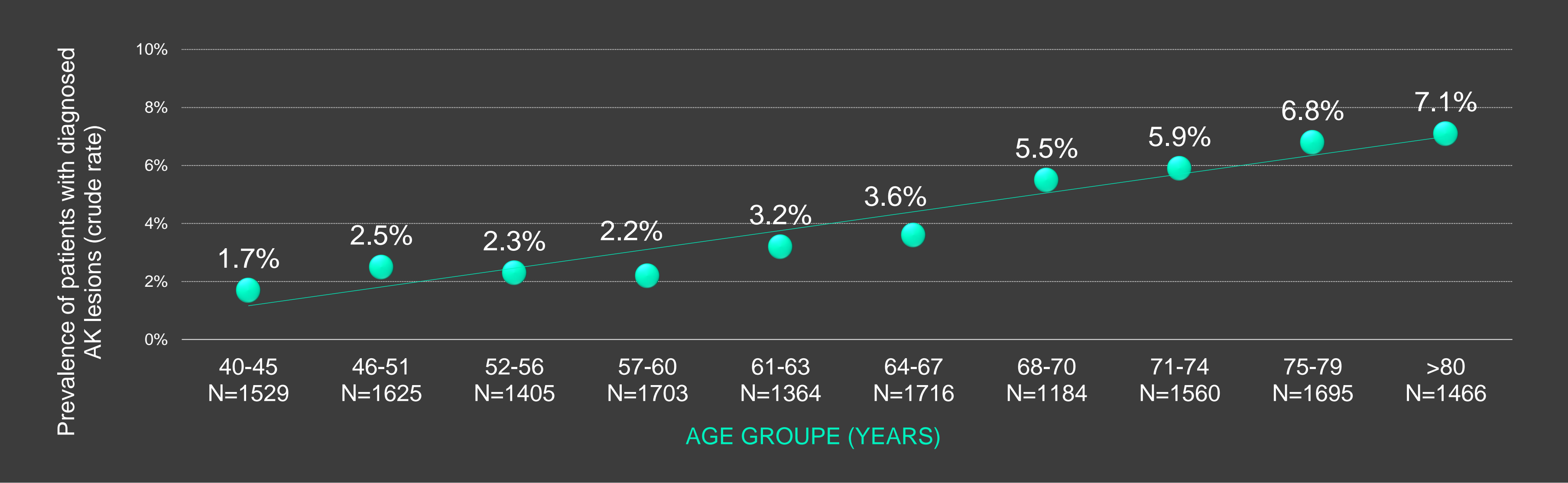


Figure 3. Prevalence of AK by region

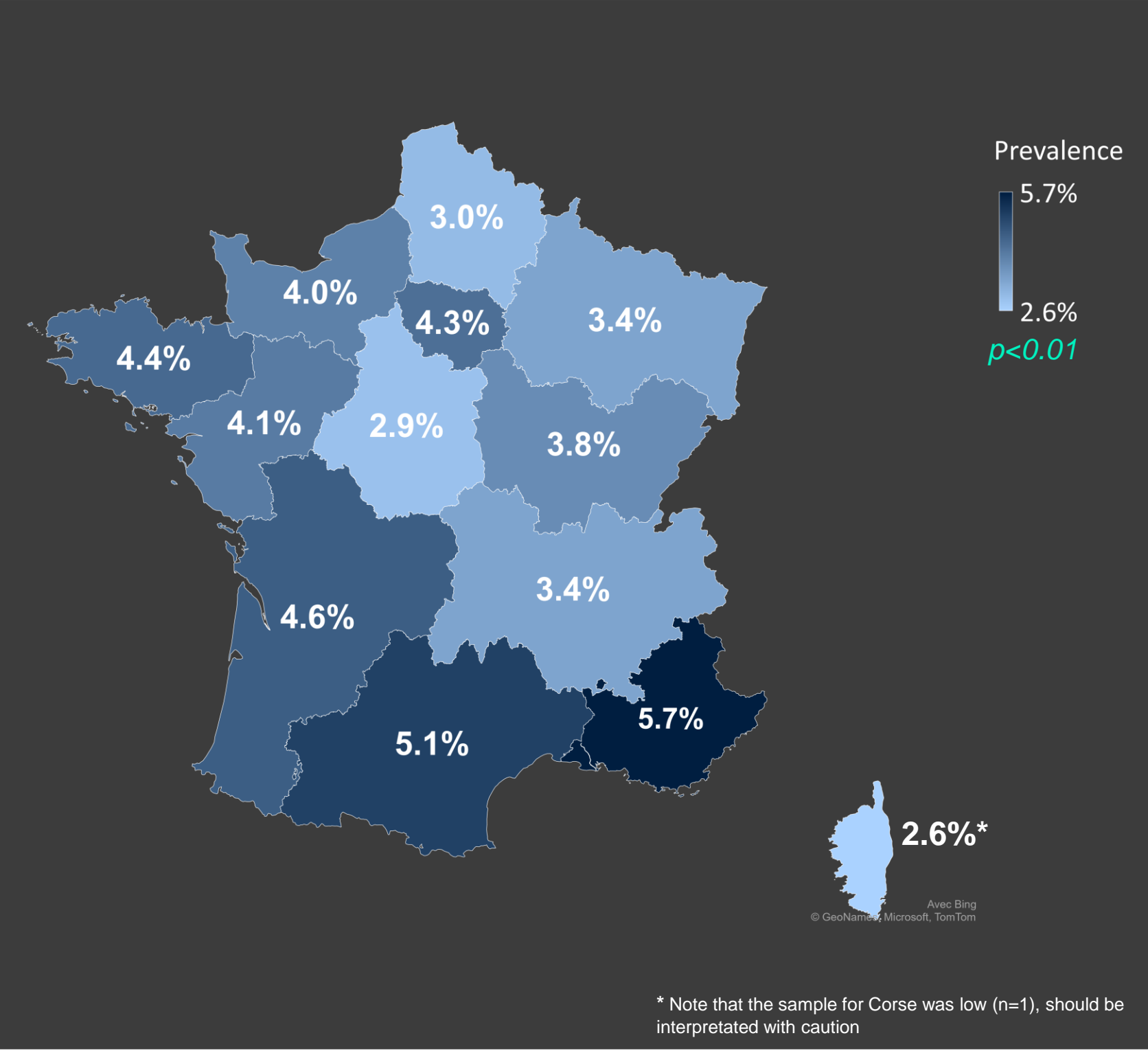


Table 2. Characteristics of the AK disease

		N	%
Diagnosis history (N=615)	Less than 6 months	95	15.4%
	>6 months < 1 year	54	8.8%
	>1 y <3 years	157	25.5%
	More than 3 years	296	48.1%
	Unknown	13	2.1%
Disease status (N=615)	Active AK	426	69.3%
	Inactive AK	189	30.7%
Number of current lesions (N=426)	Mean + SD	1.96 ± 1.14	
	Missing data	6	
	At least one current lesion	420	68.2%
	Only 1	103	24.5%
	2 to 3	155	36.9%
	4 to 10	100	23.8%
	11 to 25	34	8.1%
Localisation of current lesions (n=420)	More than 25	14	3.3%
	Face/Neck	327	77.9%
	Limbs	135	32.1%
	Trunk	93	22.1%
Change since diagnosis (N=615)	Worsening	54	8.8%
	Improvement	77	12.5%
	No change	213	34.6%
	Complete disappearance	189	30.7%
	Unknown	82	13.3%

CONCLUSIONS

- The crude prevalence of self-reported diagnosed AK in the French population aged ≥40 years is 4.0% (≈1.4 million people affected nationwide).
- The disease also affects younger patients with a significant life expectancy.
- 2/3 of participants had not managed to eradicate their lesions at the time of the survey.
- Early diagnosis of AK and treatment effectiveness and convenience should be improved to avoid progression to squamous cell carcinoma, which would be costly to treat.
- In addition, the use of a regular photoprotection, which is the most effective prevention strategy against relapse of AKs and the risk of development of squamous cell carcinoma should be discussed with the patient.

REFERENCES

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