

**Table SI. Patient perceptions of actinic keratosis in age, gender, treatment and phototype subtypes**

**A1. Knowledge and beliefs in age and gender subgroups.**

	Study population (N = 639)	Age 40 – 65 years (N = 177)	Age > 65 years (N = 462)	Men (N = 296)	Women (N = 343)
AK lesions are caused by lifetime UV exposure			<b>p = 0.0003</b>		<i>p</i> = 0.1003
Fully agree	373 (58.4%)	87 (49.2%)	286 (61.9%)	182 (61.5%)	191 (55.7%)
More or less agree	149 (23.3%)	61 (34.5%)	88 (19.1%)	69 (23.3%)	80 (23.3%)
Disagree	69 (10.8%)	20 (11.3%)	49 (10.6%)	24 (8.1%)	45 (13.1%)
Missing	48 (7.5%)	9 (5.1%)	39 (8.4%)	21 (7.9%)	27 (7.9%)
As you get older, you are bound to develop AK			<i>p</i> = 0.1262		<i>p</i> = 0.956
Fully agree	263 (41.2%)	65 (36.7%)	198 (42.9%)	122 (41.2%)	141 (41.1%)
More or less agree	244 (38.2%)	68 (38.4%)	176 (38.1%)	112 (37.8%)	132 (38.5%)
Disagree	105 (16.4%)	37 (20.9%)	68 (14.7%)	50 (16.9%)	55 (16.0%)
Missing	27 (4.2%)	7 (3.9%)	20 (4.3%)	12 (4.1%)	15 (4.4%)
AK lesions are precursors of skin cancer			<b>p = 0.0011</b>		<i>p</i> = 0.6771
Fully agree	256 (40.1%)	55 (31.1%)	201 (43.5%)	123 (41.6%)	133 (38.8%)
More or less agree	199 (31.1%)	63 (35.6%)	136 (29.4%)	88 (29.7%)	111 (32.4%)
Disagree	132 (20.7%)	51 (28.8%)	81 (17.5%)	59 (19.9%)	73 (21.3%)
Missing	52 (8.1%)	8 (4.5%)	44 (9.5%)	26 (8.8%)	26 (7.6%)
I feel that I do not know much about AK treatment			<i>p</i> = 0.436		<b>p = 0.0175</b>
Fully agree	332 (52.0%)	101 (57.1%)	231 (50.0%)	142 (48.0%)	190 (55.4%)
More or less agree	158 (24.7%)	41 (23.2%)	117 (25.3%)	89 (30.1%)	69 (20.1%)
Disagree	107 (16.7%)	27 (15.3%)	80 (17.3%)	48 (16.2%)	59 (17.2%)
Missing	42 (6.6%)	8 (4.5%)	34 (7.4%)	17 (5.7%)	25 (7.3%)
AK is a skin condition that can be cured			<i>p</i> = 0.2808		<i>p</i> = 0.5712

	Study population (N = 639)	Age 40 – 65 years (N = 177)	Age > 65 years (N = 462)	Men (N = 296)	Women (N = 343)
Fully agree	239 (37.4%)	61 (34.5%)	178 (38.5%)	116 (39.2%)	123 (35.9%)
More or less agree	204 (31.9%)	66 (37.3%)	138 (29.9%)	89 (30.1%)	115 (33.5%)
Disagree	150 (23.5%)	42 (23.7%)	108 (23.4%)	71 (24.0%)	79 (23.0%)
Missing	46 (7.2%)	8 (4.5%)	38 (8.2%)	20 (6.8%)	26 (7.6%)
If you have AK, you need sun protection every day			<b><i>p</i> = 0.0495</b>		<i>p</i> = 0.0593
Fully agree	511 (80.0%)	133 (75.1%)	378 (81.8%)	244 (82.4%)	267 (77.8%)
More or less agree	83 (13.0%)	31 (17.5%)	52 (11.3%)	32 (10.8%)	51 (14.9%)
Disagree	20 (3.1%)	8 (4.5%)	12 (2.6%)	9 (3.0%)	11 (3.2%)
Missing	25 (3.9%)	5 (2.8%)	20 (4.3%)	11 (3.7%)	14 (4.1%)
Effective treatments for AK exist			<i>p</i> = 0.2894		<i>p</i> = 0.2952
Fully agree	237 (37.1%)	62 (35.0%)	175 (37.9%)	111 (37.5%)	126 (36.7%)
More or less agree	239 (37.4%)	78 (44.1%)	161 (34.9%)	117 (39.5%)	122 (35.6%)
Disagree	103 (16.1%)	29 (16.4%)	74 (16.0%)	41 (13.9%)	62 (18.1%)
Missing	60 (9.4%)	8 (4.5%)	52 (11.3%)	27 (9.1%)	33 (9.6%)
Whatever we do, AK lesions will come back			<i>p</i> = 0.7261		<i>p</i> = 0.6065
Fully agree	298 (46.6%)	87 (49.2%)	211 (45.7%)	138 (46.6%)	160 (46.7%)
More or less agree	223 (34.9%)	66 (37.3%)	157 (34.0%)	97 (32.8%)	126 (36.7%)
Disagree	91 (14.2%)	23 (13.0%)	68 (14.7%)	45 (15.2%)	46 (13.4%)
Missing	27 (4.2%)	1 (0.5%)	26 (5.6%)	16 (5.4%)	11 (3.2%)
Treatments for AK are complicated to use			<i>p</i> = 0.2405		<i>p</i> = 0.5945
Fully agree	123 (19.3%)	34 (19.2%)	89 (19.3%)	54 (18.2%)	69 (20.1%)
More or less agree	211 (33.0%)	70 (39.6%)	141 (30.5%)	98 (33.1%)	113 (32.9%)
Disagree	241 (37.7%)	63 (35.6%)	178 (38.5%)	119 (40.2%)	122 (35.6%)
Missing	64 (10.0%)	10 (5.6%)	54 (11.7%)	25 (8.5%)	39 (11.4%)

Since questions were not obligatory, participants could skip questions and for this reason there are missing data for each item.

## A2. Knowledge and beliefs in treatment and phototype subgroups.

	Study population (N = 639)	Untreated (N = 242)	All treatments (N = 397)	Topical treatments (N = 125)	Phototype I – II (N = 366)	Phototype III – VI (N = 240)
AK lesions are caused by lifetime UV exposure			$p = 0.4771$	$p = 0.2369$		$p = 0.9003$
Fully agree	373 (58.4%)	134 (55.4%)	239 (60.2%)	75 (60.0%)	219 (59.8%)	139 (57.2%)
More or less agree	149 (23.3%)	57 (23.5%)	92 (23.2%)	35 (28.0%)	85 (23.2%)	57 (23.8%)
Disagree	69 (10.8%)	30 (12.4%)	39 (9.8%)	9 (7.2%)	38 (10.4%)	27 (11.3%)
Missing	48 (7.5%)	21 (8.7%)	27 (6.8%)	6 (4.8%)	24 (6.6%)	17 (7.1%)
As you get older, you are bound to develop AK			$p = 0.2837$	<b><math>p = 0.0074</math></b>		$p = 0.5379$
Fully agree	263 (41.2%)	106 (43.8%)	157 (39.6%)	38 (30.4%)	148 (40.4%)	105 (43.8%)
More or less agree	244 (38.2%)	92 (38.0%)	152 (38.3%)	51 (40.8%)	143 (39.1%)	92 (38.3%)
Disagree	105 (16.4%)	33 (13.6%)	72 (18.1%)	31 (24.8%)	63 (17.2%)	34 (14.2%)
Missing	27 (4.2%)	11 (4.6%)	16 (4.0%)	5 (4.0%)	12 (3.3%)	9 (3.8%)
AK lesions are precursors of skin cancer			$p = 0.0646$	<b><math>p = 0.0149</math></b>		$p = 0.7047$
Fully agree	256 (40.1%)	82 (33.9%)	174 (43.8%)	59 (47.2%)	154 (42.1%)	93 (38.8%)
More or less agree	199 (31.1%)	79 (32.6%)	120 (30.2%)	42 (33.6%)	111 (30.3%)	79 (32.9%)
Disagree	132 (20.7%)	57 (23.6%)	75 (18.9%)	16 (12.8%)	76 (20.8%)	49 (20.4%)
Missing	52 (8.1%)	24 (9.9%)	28 (7.1%)	8 (6.4%)	25 (6.8%)	19 (7.9%)
I feel that I do not know much about AK treatment			$p = 0.5066$	$p = 0.0930$		$p = 0.3379$
Fully agree	332 (52.0%)	125 (51.7%)	207 (52.1%)	55 (44.0%)	184 (50.3%)	130 (54.2%)
More or less agree	158 (24.7%)	60 (24.8%)	98 (24.7%)	37 (29.6%)	103 (28.1%)	54 (22.5%)
Disagree	107 (16.7%)	34 (14.1%)	73 (18.4%)	28 (22.4%)	59 (16.1%)	39 (16.3%)
Missing	42 (6.6%)	23 (9.5%)	19 (4.8%)	5 (4.0%)	20 (5.5%)	17 (7.1%)
AK is a skin condition that can be cured			$p = 0.3887$	$p = 0.1596$		$p = 0.436$
Fully agree	239 (37.4%)	92 (38.0%)	147 (37.0%)	39 (31.2%)	132 (36.1%)	97 (40.4%)
More or less agree	204 (31.9%)	67 (27.7%)	137 (34.5%)	47 (37.6%)	126 (34.4%)	72 (30.0%)
Disagree	150 (23.5%)	58 (24.0%)	92 (23.2%)	35 (28.0%)	88 (24.0%)	55 (22.9%)
Missing	46 (7.2%)	25 (10.3%)	21 (5.3%)	4 (3.2%)	20 (5.5%)	16 (6.7%)

	Study population (N = 639)	Untreated (N = 242)	All treatments (N = 397)	Topical treatments (N = 125)	Phototype I – II (N = 366)	Phototype III – VI (N = 240)
If you have AK, you need sun protection every day			$p = 0.2405$	<b><math>p = 0.0287</math></b>		$p = 0.1541$
Fully agree	511 (80.0%)	185 (76.5%)	326 (82.1%)	111 (88.8%)	299 (81.7%)	187 (77.9%)
More or less agree	83 (13.0%)	38 (15.7%)	45 (11.3%)	8 (6.4%)	48 (13.1%)	32 (13.3%)
Disagree	20 (3.1%)	7 (2.9%)	13 (3.3%)	4 (3.2%)	7 (1.9%)	11 (4.6%)
Missing	25 (3.9%)	12 (5.0%)	13 (3.3%)	2 (1.6%)	12 (3.3%)	10 (4.2%)
Effective treatments for AK exist			$p = 0.3329$	$p = 0.1086$		$p = 0.1307$
Fully agree	237 (37.1%)	76 (31.4%)	161 (40.6%)	58 (46.4%)	126 (34.4%)	96 (40.0%)
More or less agree	239 (37.4%)	90 (37.2%)	149 (37.5%)	40 (32.0%)	145 (39.6%)	88 (36.7%)
Disagree	103 (16.1%)	40 (16.5%)	63 (15.9%)	23 (18.4%)	67 (18.3%)	31 (12.9%)
Missing	60 (9.4%)	36 (14.9%)	24 (6.1%)	4 (3.2%)	28 (7.7%)	25 (10.4%)
Whatever we do, AK lesions will come back			<b><math>p = 0.0223</math></b>	<b><math>p = 0.0207</math></b>		$p = 0.3104$
Fully agree	298 (46.6%)	95 (39.3%)	203 (51.1%)	69 (55.2%)	175 (47.8%)	109 (45.4%)
More or less agree	223 (34.9%)	95 (39.3%)	128 (32.2%)	38 (30.4%)	136 (37.2%)	80 (33.3%)
Disagree	91 (14.2%)	39 (16.1%)	52 (13.1%)	14 (11.2%)	45 (12.3%)	39 (16.3%)
Missing	27 (4.2%)	13 (5.4%)	14 (3.5%)	4 (3.2%)	16 (5.4%)	11 (3.2%)
Treatments for AK are complicated to use			<b><math>p = 0.0033</math></b>	<b><math>p = 0.0004</math></b>		$p = 0.6771$
Fully agree	123 (19.3%)	31 (12.8%)	92 (23.2%)	41 (32.8%)	136 (37.2%)	95 (39.6%)
More or less agree	211 (33.0%)	91 (37.6%)	120 (30.2%)	47 (37.6%)	128 (35.0%)	77 (32.1%)
Disagree	241 (37.7%)	81 (33.5%)	160 (40.3%)	33 (26.4%)	71 (19.4%)	42 (17.5%)
Missing	64 (10.0%)	39 (16.1%)	25 (6.3%)	4 (3.2%)	31 (8.5%)	26 (10.8%)

Since questions were not obligatory, participants could skip questions and for this reason there are missing data for each item.

## B1. Experience of AK care in age and gender subgroups.

	Study population (N = 639)	Age 40 – 65 years (N = 177)	Age > 65 years (N = 462)	Men (N = 296)	Women (N = 343)
Advice or information about AK lesions			$p = 0.8875$		$p = 0.0949$
I did not feel that I needed advice	134 (21.0%)	36 (20.3%)	98 (21.2%)	53 (17.9%)	81 (23.6%)
I needed advice but did not receive any	61 (9.6%)	18 (10.2%)	43 (9.3%)	61 (7.4%)	39 (11.4%)
I needed advice and received it	444 (69.5%)	123 (69.5%)	321 (69.5%)	221 (74.7%)	223 (65.0%)
Type of information received	N = 505	N = 141	N = 364	N = 243	N = 262
Cause of AK lesions	325 (73.2%)	92 (65.3%)	233 (64.0%)	162 (66.7%)	163 (62.2%)
Importance of sun protection	390 (87.8%)	100 (70.9%)	290 (79.7%)	199 (81.9%)	191 (72.9%)
Importance of taking medication as prescribed	106 (23.9%)	31 (22.0%)	75 (20.6%)	59 (24.3%)	47 (17.9%)
Treatment side-effects	53 (11.9%)	19 (13.5%)	34 (9.3%)	53 (11.1%)	26 (9.9%)
Potential health consequences of AK	150 (27.9%)	32 (22.7%)		80 (32.9%)	70 (26.7%)
Other	14 (2.8%)	5 (3.6%)	9 (2.5%)	4 (1.7%)	10 (3.8%)
Missing	13 (2.9%)	6 (4.3%)	7 (1.9%)	3 (1.2%)	10 (3.8%)
I had to wait a long time for a dermatologist appointment			$p = 0.0026$		$p = 0.5712$
Fully agree	545 (85.3%)	43 (80.8%)	402 (87.0%)	253 (85.5%)	292 (85.1%)
More or less agree	57 (8.9%)	27 (15.3%)	30 (6.5%)	23 (7.8%)	34 (9.9%)
Disagree	23 (3.6%)	5 (2.8%)	18 (3.9%)	12 (4.1%)	11 (3.2%)
Missing	14 (2.2%)	2 (1.1%)	12 (2.6%)	8 (2.7%)	6 (1.8%)
Several physician consultations were needed before my AK was diagnosed			$p = 0.0665$		$p = 0.3660$
Fully agree	88 (13.8%)	34 (19.2%)	54 (11.7%)	37 (12.5%)	51 (14.9%)
More or less agree	96 (15.0%)	25 (14.1%)	71 (15.4%)	41 (13.9%)	55 (16.0%)
Disagree	409 (64.0%)	109 (61.6%)	300 (64.9%)	199 (67.2%)	210 (61.2%)
Missing	46 (7.2%)	9 (5.1%)	37 (8.0%)	19 (6.4%)	27 (7.9%)

	Study population (N = 639)	Age 40 – 65 years (N = 177)	Age > 65 years (N = 462)	Men (N = 296)	Women (N = 343)
I had to consult several physicians before finding a treatment that worked			$p = 0.4941$		<b><math>p = 0.0109</math></b>
Fully agree	109 (17.1%)	33 (18.6%)	76 (16.5%)	55 (18.6%)	54 (15.7%)
More or less agree	139 (21.8%)	44 (24.9%)	95 (20.6%)	50 (16.9%)	89 (26.0%)
Disagree	334 (52.3%)	89 (50.3%)	245 (53.0%)	169 (57.1%)	165 (48.1%)
Missing	57 (8.9%)	11 (6.2%)	46 (9.9%)	22 (7.4%)	35 (10.2%)
My AK lesions did not go away after treatment			$p = 0.5016$		<b><math>p = 0.0144</math></b>
Fully agree	220 (34.4%)	63 (35.6%)	157 (34.0%)	118 (39.9%)	102 (29.7%)
More or less agree	156 (24.4%)	49 (27.7%)	107 (23.2%)	60 (20.3%)	96 (28.0%)
Disagree	209 (37.7%)	54 (30.5%)	155 (33.6%)	97 (32.8%)	112 (32.7%)
Missing	54 (8.5%)	11 (6.2%)	43 (9.3%)	21 (7.1%)	33 (9.6%)
Certain treatments made my skin painful or unsightly			$p = 0.3679$		$p = 0.7827$
Fully agree	174 (27.2%)	43 (24.3%)	131 (25.8%)	85 (28.7%)	89 (26.0%)
More or less agree	173 (27.1%)	54 (30.5%)	119 (25.8%)	78 (26.4%)	95 (27.7%)
Disagree	222 (34.7%)	66 (37.3%)	156 (33.8%)	104 (35.1%)	118 (34.4%)
Missing	70 (10.9%)	14 (7.9%)	56 (12.1%)	29 (9.8%)	41 (12.0%)

Since questions were not obligatory, participants could skip questions and for this reason there are missing data for each item.

## B2. Experience of AK care in treatment and phototype subgroups.

	Study population (N = 639)	Untreated (N = 242)	All treatments (N = 397)	Topical treatments (N = 125)	Phototype I – II (N = 366)	Phototype III – VI (N = 240)
Advice or information about AK lesions			<b>p &lt; 0.0001</b>	<b>p &lt; 0.0001</b>		<i>p</i> = 0.3078
I did not feel that I needed advice	134 (21.0%)	72 (29.8%)	62 (15.6%)	16 (12.6%)	71 (19.4%)	55 (22.9%)
I needed advice but did not receive any	61 (9.6%)	28 (11.6%)	33 (8.3%)	12 (9.6%)	42 (11.5%)	16 (6.7%)
I needed advice and received it	444 (69.5%)	142 (58.7%)	302 (76.1%)	97 (77.6%)	253 (69.1%)	169 (70.4%)
Type of information received	N = 505	N = 170	N = 335	N = 109	N = 295	N = 185
Cause of AK lesions	325 (73.2%)	96 (56.5%)	229 (68.4%)	76 (69.7%)	196 (44.4%)	114 (61.6%)
Importance of sun protection	390 (87.8%)	114 (67.1%)	276 (82.4%)	89 (81.7%)	233 (79.0%)	136 (73.5%)
Importance of taking medication as prescribed	106 (23.9%)	23 (13.5%)	83 (24.8%)	41 (37.6%)	61 (20.7%)	35 (18.9%)
Treatment side-effects	53 (11.9%)	11 (6.5%)	42 (12.5%)	25 (22.9%)	29 (9.8%)	21 (11.4%)
Potential health consequences of AK	150 (27.9%)	42 (24.7%)	108 (32.2%)	41 (37.6%)	84 (28.5%)	59 (31.9%)
Other	14 (2.8%)	8 (4.7%)	6 (1.8%)	2 (1.8%)	9 (3.0%)	5 (2.7%)
Missing	13 (2.9%)	9 (5.3%)	4 (1.2%)	2 (1.8%)	8 (2.7%)	4 (2.2%)
I had to wait a long time for a dermatologist appointment			<i>p</i> = 0.1136	<i>p</i> = 0.4516		<b><i>p</i> = 0.0319</b>
Fully agree	545 (85.3%)	210 (86.8%)	335 (84.4%)	103 (82.4%)	324 (88.5%)	199 (82.9%)
More or less agree	57 (8.9%)	23 (9.5%)	34 (8.6%)	15 (12.0%)	22 (6.0%)	29 (12.1%)
Disagree	23 (3.6%)	4 (1.7%)	19 (4.8%)	4 (3.2%)	13 (3.6%)	8 (3.3%)
Missing	14 (2.2%)	5 (2.1%)	9 (2.3%)	3 (2.4%)	7 (1.9%)	4 (1.7%)
Several physician consultations were needed before my AK was diagnosed			<b><i>p</i> = 0.0114</b>	<i>p</i> = 0.0593		<i>p</i> = 0.6440
Fully agree	88 (13.8%)	31 (12.8%)	57 (14.4%)	26 (20.8%)	54 (14.8%)	29 (12.1%)
More or less agree	96 (15.0%)	48 (19.8%)	48 (12.1%)	16 (12.8%)	57 (15.6%)	35 (14.6%)
Disagree	409 (64.0%)	138 (57.0%)	271 (68.3%)	78 (62.4%)	234 (63.9%)	158 (65.8%)
Missing	46 (7.2%)	25 (10.3%)	21 (5.3%)	5 (4.0%)	21 (5.7%)	18 (7.5%)

	Study population (N = 639)	Untreated (N = 242)	All treatments (N = 397)	Topical treatments (N = 125)	Phototype I – II (N = 366)	Phototype III – VI (N = 240)
I had to consult several physicians before finding a treatment that worked						$p = 0.4843$
Fully agree	109 (17.1%)	41 (16.9%)	68 (17.1%)	27 (21.6%)	64 (17.5%)	39 (16.3%)
More or less agree	139 (21.8%)	58 (24.0%)	81 (20.4%)	32 (25.6%)	86 (23.5%)	46 (19.2%)
Disagree	334 (52.3%)	109 (45.0%)	225 (56.7%)	60 (48.0%)	190 (51.9%)	131 (54.6%)
Missing	57 (8.9%)	34 (14.1%)	23 (5.8%)	6 (4.8%)	26 (7.1%)	24 (10.0%)
My AK lesions did not go away after treatment						$p = 0.1969$
Fully agree	220 (34.4%)	60 (24.8%)	160 (40.3%)	56 (44.8%)	130 (35.5%)	80 (33.3%)
More or less agree	156 (24.4%)	62 (25.6%)	94 (23.7%)	31 (24.8%)	99 (27.1%)	50 (20.8%)
Disagree	209 (37.7%)	84 (34.7%)	125 (31.5%)	34 (27.2%)	114 (31.2%)	86 (35.8%)
Missing	54 (8.5%)	36 (14.9%)	18 (4.5%)	4 (3.2%)	23 (6.3%)	24 (10.0%)
Certain treatments made my skin painful or unsightly						$p = 0.1969$
Fully agree	174 (27.2%)	34 (14.1%)	140 (35.3%)	52 (41.6%)	99 (27.1%)	64 (26.7%)
More or less agree	173 (27.1%)	60 (24.8%)	113 (28.5%)	36 (2.8%)	105 (28.7%)	64 (26.7%)
Disagree	222 (34.7%)	103 (42.6%)	119 (30.0%)	32 (25.6%)	128 (35.0%)	80 (33.3%)
Missing	70 (10.9%)	45 (18.6%)	25 (6.3%)	5 (4.0%)	34 (9.3%)	32 (13.3%)

Since questions were not obligatory, participants could skip questions and for this reason there are missing data for each item.

### C1. Sun protection in age and gender subgroups.

	Study population (N = 639)	Age 40 – 65 years (N = 177)	Age > 65 years (N = 462)	Men (N = 296)	Women (N = 343)
I avoid going out in the sun between 10h and 16h			$p = 0.0713$		<b><math>p = 0.0065</math></b>
Always	274 (42.9%)	78 (44.1%)	196 (42.4%)	114 (38.5%)	160 (46.7%)
Often	246 (38.5%)	61 (34.5%)	185 (40.0%)	111 (37.5%)	135 (39.4%)
Rarely	69 (10.8%)	28 (15.8%)	41 (8.9%)	44 (14.9%)	25 (7.3%)
Never	34 (5.3%)	8 (4.5%)	26 (5.6%)	19 (6.4%)	15 (4.4%)
Missing	16 (2.5%)	2 (1.1%)	14 (3.0%)	8 (2.7%)	8 (2.2%)
I avoid going out in the sun at any time of day			$p = 0.0755$		$p = 0.6215$
Always	183 (28.6%)	47 (26.6%)	136 (29.4%)	79 (26.7%)	104 (30.3%)
Often	259 (40.5%)	64 (36.2%)	195 (42.2%)	118 (39.9%)	141 (41.1%)
Rarely	128 (20.0%)	47 (26.6%)	81 (17.5%)	61 (20.6%)	67 (19.5%)
Never	59 (9.2%)	18 (10.2%)	41 (8.9%)	31 (10.5%)	28 (8.2%)
Missing	10 (1.6%)	1 (0.6%)	9 (2.0%)	7 (2.4%)	3 (0.9%)
I only go out in the sun with protection (sunscreen, clothing)			$p = 0.1272$		$p = 0.9823$
Always	259 (40.5%)	61 (34.5%)	198 (42.9%)	119 (40.2%)	140 (40.8%)
Often	220 (34.4%)	73 (41.2%)	147 (31.8%)	103 (34.8%)	117 (34.1%)
Rarely	101 (15.8%)	29 (16.4%)	72 (15.6%)	46 (15.4%)	55 (16.0%)
Never	44 (6.9%)	11 (6.2%)	33 (7.1%)	21 (7.1%)	22 (6.7%)
Missing	15 (2.4%)	3 (1.7%)	12 (2.6%)	7 (2.4%)	8 (2.3%)
I put on sunscreen every morning			$p = 0.0775$		<b><math>p &lt; 0.0001</math></b>
Always	113 (17.7%)	24 (13.6%)	89 (19.3%)	38 (12.8%)	75 (21.9%)
Often	179 (28.0%)	51 (28.8%)	128 (27.7%)	70 (23.7%)	109 (31.8%)
Rarely	171 (26.8%)	59 (33.3%)	112 (24.2%)	79 (26.7%)	92 (26.8%)
Never	163 (25.5%)	41 (23.2%)	122 (26.4%)	103 (34.8%)	60 (17.5%)
Missing	13 (2.0%)	2 (1.1%)	11 (2.4%)	6 (2.0%)	7 (2.0%)

	Study population (N = 639)	Age 40 – 65 years (N = 177)	Age > 65 years (N = 462)	Men (N = 296)	Women (N = 343)
I avoid going on holiday with friends or family			<b>p = 0.0127</b>		<b>p = 0.7867</b>
Always	41 (6.4%)	12 (6.8%)	29 (6.3%)	16 (5.4%)	25 (7.3%)
Often	56 (8.8%)	11 (6.2%)	45 (9.7%)	25 (8.5%)	31 (9.0%)
Rarely	134 (21.0%)	26 (14.7%)	108 (23.4%)	64 (21.6%)	70 (20.4%)
Never	380 (59.5%)	124 (70.1%)	256 (55.4%)	177 (59.8%)	203 (59.2%)
Missing	28 (4.3%)	4 (2.3%)	24 (5.2%)	14 (4.7%)	14 (4.1%)
I avoid having lunch outside			<b>p &lt;0.001</b>		<b>p = 0.0492</b>
Always	66 (10.3%)	15 (8.5%)	51 (11.0%)	34 (11.5%)	32 (9.3%)
Often	113 (17.7%)	22 (12.4%)	91 (19.7%)	63 (21.3%)	50 (14.6%)
Rarely	208 (32.6%)	49 (27.7%)	159 (34.4%)	84 (28.4%)	124 (36.2%)
Never	233 (36.5%)	88 (49.7%)	145 (31.4%)	105 (35.5%)	128 (37.3%)
Missing	19 (2.9%)	3 (1.7%)	16 (3.5%)	10 (3.4%)	9 (2.6%)
I avoid sport and outdoor activities			<b>p = 0.0181</b>		<b>p = 0.3855</b>
Always	47 (7.4%)	9 (5.1%)	38 (8.2%)	17 (5.7%)	30 (8.8%)
Often	68 (10.6%)	18 (10.2%)	50 (10.8%)	33 (11.2%)	35 (10.2%)
Rarely	151 (23.6%)	31 (17.5%)	120 (26.0%)	76 (25.7%)	75 (21.9%)
Never	354 (55.4%)	116 (65.5%)	238 (51.5%)	163 (55.1%)	191 (55.7%)
Missing	19 (3.0%)	3 (1.7%)	16 (3.5%)	7 (2.4%)	12 (3.5%)

## C2. Sun protection in treatment and phototype subgroups.

	Study population (N = 639)	Untreated (N = 242)	All treatments (N = 397)	Topical treatments (N = 125)	Phototype I – II (N = 366)	Phototype III – VI (N = 240)
I avoid going out in the sun between 10h and 16h			<b><math>p &lt; 0.0001</math></b>	<b><math>p &lt; 0.0001</math></b>		$p = 0.0716$
Always	274 (42.9%)	98 (40.5%)	176 (44.3%)	69 (55.2%)	166 (45.4%)	89 (37.1%)
Often	246 (38.5%)	98 (40.5%)	148 (37.3%)	38 (30.4%)	142 (38.8%)	97 (40.4%)
Rarely	69 (10.8%)	25 (10.3%)	44 (11.1%)	11 (8.8%)	34 (9.3%)	33 (13.8%)
Never	34 (5.3%)	19 (7.9%)	15 (3.8%)	3 (2.4%)	16 (4.4%)	17 (7.1%)
Missing	16 (2.5%)	2(0.8%)	14 (3.5%)	4 (3.2%)	8 (2.2%)	4 (1.7%)
I avoid going out in the sun at any time of day			$p = 0.4436$	<b><math>p = 0.0237</math></b>		<b><math>p = 0.0025</math></b>
Always	183 (28.6%)	65 (26.9%)	118 (29.7%)	47 (37.6%)	114 (31.2%)	53 (22.1%)
Often	259 (40.5%)	94 (38.8%)	165 (41.6%)	49 (39.2%)	160 (43.7%)	92 (38.3%)
Rarely	128 (20.0%)	52 (21.5%)	76 (19.1%)	24 (19.2%)	62 (16.9%)	62 (25.8%)
Never	59 (9.2%)	27 (11.2%)	32 (8.1%)	4 (3.2%)	26 (7.1%)	28 (11.7%)
Missing	10 (1.6%)	4 (1.7%)	6 (1.5%)	1 (0.8%)	4 (1.1%)	5 (2.1%)
I only go out in the sun with protection (sunscreen, clothing)			$p = 0.0901$	<b><math>p = 0.0339</math></b>		$p = 0.6149$
Always	259 (40.5%)	87 (36.0%)	172 (43.3%)	59 (47.2%)	148 (40.4%)	98 (40.8%)
Often	220 (34.4%)	95 (39.3%)	125 (31.5%)	33 (26.4%)	130 (35.5%)	80 (33.3%)
Rarely	101 (15.8%)	34 (14.1%)	67 (16.9%)	24 (19.2%)	58 (15.9%)	36 (15.0%)
Never	44 (6.9%)	20 (8.3%)	24 (6.1%)	7 (.6%)	22 (6.0%)	21 (8.8%)
Missing	15 (2.4%)	6 (2.5%)	9 (2.3%)	2 (1.6%)	8 (2.2%)	5 (2.1%)
I put on sunscreen every morning			$p = 0.9443$	$p = 0.8182$		$p = 0.2851$
Always	113 (17.7%)	40 (16.5%)	73 (18.4%)	18 (14.4%)	64 (17.5%)	41 (17.1%)
Often	179 (28.0%)	68 (28.1%)	111 (28.0%)	39 (31.2%)	104 (28.4%)	63 (26.3%)
Rarely	171 (26.8%)	66 (27.3%)	105 (26.5%)	37 (29.6%)	105 (28.7%)	58 (24.2%)
Never	163 (25.5%)	63 (26.0%)	100 (25.2%)	29 (23.2%)	87 (23.8%)	73 (30.4%)
Missing	13 (2.0%)	5 (2.1%)	8 (2.0%)	2 (1.6%)	6 (1.6%)	5 (2.1%)

	Study population (N = 639)	Untreated (N = 242)	All treatments (N = 397)	Topical treatments (N = 125)	Phototype I – II (N = 366)	Phototype III – VI (N = 240)
I avoid going on holiday with friends or family			$p = 0.1473$	$p = 0.5892$		$p = 0.1294$
Always	41 (6.4%)	18 (7.4%)	23 (5.8%)	6 (4.8%)	28 (7.7%)	10 (4.2%)
Often	56 (8.8%)	19 (7.9%)	37 (9.3%)	14 (11.2%)	34 (9.3%)	16 (6.7%)
Rarely	134 (21.0%)	41 (16.9%)	93 (23.4%)	21 (16.8%)	83 (22.7%)	49 (20.4%)
Never	380 (59.5%)	155 (64.1%)	225 (56.7%)	79 (63.2%)	208 (56.8%)	154 (64.2%)
Missing	28 (4.3%)	9 (3.7%)	19 (4.8%)	5 (4.0%)	13 (3.6%)	11 (4.6%)
I avoid having lunch outside			$p = 0.1618$	<b><math>p = 0.0077</math></b>		$p = 0.0913$
Always	66 (10.3%)	22 (9.1%)	44 (11.1%)	23 (18.4%)	42 (11.5%)	20 (8.3%)
Often	113 (17.7%)	41 (16.9%)	72 (18.1%)	21 (16.8%)	61 (16.7%)	44 (18.3%)
Rarely	208 (32.6%)	69 (28.5%)	139 (35.0%)	46 (36.8%)	133 (36.3%)	68 (28.3%)
Never	233 (36.5%)	100 (41.3%)	133 (33.5%)	34 (27.2%)	123 (33.6%)	98 (40.8%)
Missing	19 (2.9%)	10 (4.1%)	9 (2.3%)	1 (0.8%)	7 (1.9%)	10 (4.2%)
I avoid sport and outdoor activities			$p = 0.4557$	$p = 0.4663$		$p = 0.1092$
Always	47 (7.4%)	19 (7.9%)	28 (7.1%)	13 (10.4%)	27 (7.4%)	17 (7.1%)
Often	68 (10.6%)	21 (8.9%)	47 (11.8%)	14 (11.2%)	37 (10.1%)	24 (10.0%)
Rarely	151 (23.6%)	53 (21.9%)	98 (24.7%)	32 (25.6%)	100 (27.3%)	45 (18.8%)
Never	354 (55.4%)	141 (58.3%)	213 (53.7%)	63 (50.4%)	194 (53.0%)	146 (60.8%)
Missing	19 (3.0%)	8 (3.3%)	11 (2.8%)	3 (2.4%)	8 (2.2%)	8 (3.3%)

Since questions were not obligatory, participants could skip questions and for this reason there are missing data for each item.

## D1. Ways to improve care in age and gender subgroups.

	Study population (N = 639)	Age 40 – 65 years (N = 177)	Age > 65 years (N = 462)	Men (N = 296)	Women (N = 343)
Hear AK discussed in the media			<b>p = 0.039</b>		p = 0.3312
Fully agree	356 (55.7%)	105 (59.3%)	251 (54.3%)	157 (53.0%)	199 (58.0%)
More or less agree	165 (25.8%)	36 (20.3%)	129 (27.9%)	77 (26.0%)	88 (25.8%)
Disagree	91 (14.2%)	33 (18.6%)	58 (12.6%)	48 (16.2%)	43 (12.5%)
Missing	27 (4.2%)	3 (1.7%)	24 (5.2%)	14 (4.7%)	13 (3.8%)
Inform people of the risks of not treating AK			p = 0.7118		<b>p = 0.0431</b>
Fully agree	469 (73.4%)	130 (73.5%)	339 (73.4%)	225 (76.0%)	244 (71.1%)
More or less agree	100 (15.7%)	31 (17.5%)	69 (14.9%)	35 (11.8%)	65 (19.0%)
Disagree	44 (6.9%)	14 (7.9%)	30 (6.5%)	23 (7.8%)	21 (6.1%)
Missing	26 (4.1%)	2 (1.1%)	24 (5.2%)	13 (4.4%)	13 (3.8%)
Physicians to propose regular skin examination			<b>p = 0.0422</b>		p = 0.3279
Fully agree	510 (79.8%)	143 (80.8%)	367 (79.4%)	231 (78.0%)	279 (81.3%)
More or less agree	82 (12.8%)	19 (10.7%)	63 (13.6%)	40 (13.5%)	42 (12.2%)
Disagree	27 (4.2%)	13 (7.3%)	14 (3.0%)	16 (5.4%)	11 (3.2%)
Missing	20 (3.1%)	2 (1.1%)	18 (3.9%)	9 (3.0%)	11 (3.2%)
Involve pharmacists in AK prevention			p = 0.9185		p = 0.2334
Fully agree	389 (60.9%)	110 (62.2%)	279 (60.4%)	187 (63.2%)	202 (58.9%)
More or less agree	157 (24.6%)	47 (26.7%)	110 (23.8%)	63 (21.3%)	94 (27.4%)
Disagree	61 (9.6%)	17 (9.6%)	44 (9.5%)	29 (9.8%)	32 (9.3%)
Missing	32 (5.0%)	3 (1.7%)	29 (6.3%)	17 (5.7%)	15 (4.4%)
Treatments that make AK lesions disappear			p = 0.8228		p = 0.5857
Fully agree	528 (82.6%)	149 (84.2%)	379 (82.0%)	248 (83.8%)	280 (81.6%)
More or less agree	61 (9.6%)	19 (10.7%)	42 (9.1%)	25 (8.5%)	36 (10.5%)
Disagree	15 (2.4%)	5 (2.8%)	10 (2.2%)	8 (2.7%)	7 (2.0%)
Missing	35 (5.5%)	31 (17.3%)	31 (6.7%)	15 (5.1%)	20 (5.8%)

	Study population (N = 639)	Age 40 – 65 years (N = 177)	Age > 65 years (N = 462)	Men (N = 296)	Women (N = 343)
Treatments with few adverse effects on health			$p = 0.9231$		$p = 0.9003$
Fully agree	437 (68.4%)	125 (70.6%)	312 (67.5%)	204 (68.9%)	233 (67.9%)
More or less agree	121 (18.9%)	36 (20.3%)	85 (18.4%)	54 (18.2%)	67 (19.5%)
Disagree	45 (7.0%)	12 (6.8%)	33 (7.1%)	20 (6.8%)	25 (7.3%)
Missing	36 (5.6%)	4 (2.2%)	32 (6.9%)	18 (6.1%)	18 (5.3%)
Treatments that do not need taking over a long period			$p = 0.752$		$p = 0.1729$
Fully agree	412 (64.5%)	117 (66.1%)	295 (63.9%)	186 (62.8%)	226 (65.9%)
More or less agree	151 (23.6%)	44 (24.9%)	107 (23.2%)	67 (22.6%)	84 (24.5%)
Disagree	38 (6.0%)	13 (7.3%)	25 (5.4%)	23 (7.8%)	15 (4.4%)
Missing	38 (5.9%)	3 (1.7%)	35 (7.6%)	20 (6.8%)	18 (5.3%)
Treatments that are easy to use			$p = 0.8311$		$p = 0.6771$
Fully agree	524 (82.0%)	151 (85.3%)	373 (80.7%)	240 (81.1%)	284 (82.8%)
More or less agree	69 (10.8%)	20 (11.3%)	49 (10.6%)	33 (11.2%)	36 (10.5%)
Disagree	14 (2.2%)	3 (1.7%)	11 (2.4%)	8 (2.7%)	6 (1.8%)
Missing	32 (5.0%)	3 (1.7%)	29 (6.3%)	15 (5.1%)	17 (5.0%)
Less expensive treatments for AK			$p = 0.7408$		$p = 0.1159$
Fully agree	453 (70.9%)	127 (71.8%)	326 (70.6%)	199 (67.2%)	254 (74.1%)
More or less agree	113 (17.7%)	35 (19.8%)	78 (16.9%)	61 (20.6%)	52 (15.2%)
Disagree	34 (5.3%)	11 (6.2%)	23 (5.0%)	18 (6.1%)	16 (4.7%)
Missing	39 (6.1%)	4 (2.3%)	35 (7.6%)	18 (6.1%)	21 (6.1%)
Better reimbursement for AK treatments			$p = 0.9048$		$p = 0.2346$
Fully agree	469 (73.4%)	136 (76.8%)	333 (72.1%)	208 (70.3%)	261 (76.1%)
More or less agree	104 (16.3%)	29 (16.4%)	75 (16.2%)	55 (18.6%)	49 (14.3%)
Disagree	35 (5.5%)	9 (5.1%)	26 (5.6%)	18 (6.1%)	17 (5.0%)
Missing	31 (4.9%)	3 (1.7%)	28 (6.1%)	15 (5.1%)	16 (4.7%)

## D2. Ways to improve care in treatment and phototype subgroups.

	Study population (N = 639)	Untreated (N = 242)	All treatments (N = 397)	Topical treatments (N = 125)	Phototype I – II (N = 366)	Phototype III – VI (N = 240)
Hear AK discussed in the media			$p = 0.5066$	$p = 0.8914$		$p = 0.5066$
Fully agree	356 (55.7%)	132 (54.6%)	224 (56.4%)	66 (52.8%)	212 (57.9%)	128 (53.3%)
More or less agree	165 (25.8%)	62 (25.6%)	103 (25.9%)	34 (27.2%)	91 (24.9%)	68 (28.3%)
Disagree	91 (14.2%)	37 (15.3%)	54 (13.6%)	21 (16.8%)	49 (13.4%)	35 (14.6%)
Missing	27 (4.2%)	11 (4.6%)	16 (4.0%)	4 (3.2%)	14 (3.8%)	77 (32.1%)
Inform people of the risks of not treating AK			$p = 0.2241$	$p = 0.0561$		$p = 0.8958$
Fully agree	469 (73.4%)	171 (70.7%)	298 (75.1%)	96 (76.8%)	268 (73.2%)	178 (74.2%)
More or less agree	100 (15.7%)	45 (18.6%)	55 (13.9%)	13 (10.4%)	61 (16.7%)	37 (15.4%)
Disagree	44 (6.9%)	15 (6.2%)	29 (7.3%)	13 (10.4%)	24 (6.6%)	17 (7.1%)
Missing	26 (4.1%)	11 (4.6%)	15 (3.8%)	3 (2.4%)	13 (3.6%)	8 (3.3%)
Physicians to propose regular skin examination			$p = 0.8521$	$p = 0.2241$		$p = 0.4107$
Fully agree	510 (79.8%)	194 (80.2%)	316 (79.6%)	103 (82.4%)	292 (79.8%)	195 (81.3%)
More or less agree	82 (12.8%)	29 (12.0%)	53 (13.4%)	15 (12.0%)	52 (14.2%)	26 (10.8%)
Disagree	27 (4.2%)	11 (4.6%)	16 (4.0%)	6 (4.8%)	14 (3.8%)	12 (5.0%)
Missing	20 (3.1%)	8 (3.3%)	12 (3.0%)	1 (0.8%)	8 (2.2%)	7 (2.9%)
Involve pharmacists in AK prevention			$p = 0.3867$	$p = 0.7520$		$p = 0.2220$
Fully agree	389 (60.9%)	139 (57.4%)	250 (63.0%)	80 (64.0%)	216 (59.0%)	156 (65.0%)
More or less agree	157 (24.6%)	66 (27.3%)	91 (22.9%)	32 (25.6%)	96 (26.2%)	54 (22.5%)
Disagree	61 (9.6%)	23 (9.5%)	38 (9.6%)	11 (8.8%)	40 (10.9%)	19 (7.9%)
Missing	32 (5.0%)	14 (5.8%)	18 (4.5%)	2 (1.6%)	14 (3.8%)	11 (4.6%)
Treatments that make AK lesions disappear			<b><math>p = 0.0182</math></b>	$p = 0.0898$		$p = 0.8869$
Fully agree	528 (82.6%)	188 (77.7%)	340 (85.6%)	110 (88.0%)	304 (83.1%)	202 (84.2%)
More or less agree	61 (9.6%)	33 (13.6%)	28 (7.1%)	8 (6.4%)	38 (10.4%)	22 (9.2%)
Disagree	15 (2.4%)	6 (2.5%)	9 (2.3%)	3 (2.4%)	8 (2.2%)	5 (2.1%)
Missing	35 (5.5%)	15 (6.2%)	20 (5.0%)	4 (3.2%)	16 (4.4%)	11 (4.6%)

	Study population (N = 639)	Untreated (N = 242)	All treatments (N = 397)	Topical treatments (N = 125)	Phototype I – II (N = 366)	Phototype III – VI (N = 240)
Treatments with few adverse effects on health			$p = 0.1989$	$p = 0.1188$		$p = 0.4296$
Fully agree	437 (68.4%)	155 (64.1%)	282 (71.0%)	96 (76.8%)	248 (67.8%)	170 (70.8%)
More or less agree	121 (18.9%)	52 (21.5%)	69 (17.4%)	19 (15.2%)	77 (21.0%)	40 (16.7%)
Disagree	45 (7.0%)	20 (8.3%)	25 (6.3%)	7 (5.6%)	24 (6.6%)	17 (7.1%)
Missing	36 (5.6%)	15 (6.2%)	21 (5.3%)	3 (2.4%)	17 (4.6%)	13 (5.4%)
Treatments that do not need taking over a long period			$p = 0.2454$	$p = 0.1882$		$p = 0.7672$
Fully agree	412 (64.5%)	150 (62.0%)	262 (66.0%)	92 (73.6%)	234 (6.9%)	159 (66.3%)
More or less agree	151 (23.6%)	55 (22.7%)	96 (24.2%)	26 (20.8%)	91 (24.9%)	55 (22.9%)
Disagree	38 (6.0%)	19 (7.9%)	19 (4.8%)	5 (4.0%)	23 (6.3%)	13 (5.4%)
Missing	38 (5.9%)	18 (7.4%)	20 (5.0%)	2 (1.6%)	18 (4.9%)	13 (5.4%)
Treatments that are easy to use			$p = 0.0825$	<b><math>p = 0.0271</math></b>		$p = 0.3697$
Fully agree	524 (82.0%)	187 (77.3%)	337 (84.9%)	114 (91.2%)	303 (82.8%)	196 (81.7%)
More or less agree	69 (10.8%)	34 (14.1%)	35 (8.8%)	7 (5.6%)	45 (12.3%)	23 (9.6%)
Disagree	14 (2.2%)	6 (2.5%)	8 (2.0%)	2 (1.6%)	6 (1.6%)	7 (2.9%)
Missing	32 (5.0%)	15 (6.2%)	17 (4.3%)	2 (1.6%)	12 (3.3%)	14 (5.8%)
Less expensive treatments for AK			$p = 0.2334$	$p = 0.3517$		$p = 0.7153$
Fully agree	453 (70.9%)	164 (67.8%)	289 (72.8%)	91 (72.8%)	262 (71.6%)	170 (70.8%)
More or less agree	113 (17.7%)	49 (20.3%)	64 (16.1%)	21 (16.8%)	64 (17.5%)	45 (18.8%)
Disagree	34 (5.3%)	10 (4.1%)	24 (6.1%)	9 (7.2%)	22 (6.0%)	11 (4.6%)
Missing	39 (6.1%)	19 (7.9%)	20 (5.0%)	4 (3.2%)	18 (4.9%)	14 (5.8%)
Better reimbursement for AK treatments			$p = 0.0825$	<b><math>p = 0.0059</math></b>		$p = 0.1764$
Fully agree	469 (73.4%)	161 (66.5%)	308 (77.6%)	103 (82.4%)	278 (76.0%)	172 (71.7%)
More or less agree	104 (16.3%)	54 (22.3%)	50 (12.6%)	12 (9.6%)	53 (14.5%)	46 (19.2%)
Disagree	35 (5.5%)	12 (5.0%)	23 (5.8%)	8 (6.4%)	23 (6.3%)	10 (4.2%)
Missing	31 (4.9%)	15 (6.2%)	16 (4.0%)	2 (1.6%)	12 (3.3%)	12 (5.0%)

Since questions were not obligatory, participants could skip questions and for this reason there are missing data for each item.