

Table S1. Baseline information of the 17 identified smartphone apps

App name	Platform	Developer	Category	Available languages	Cost (€)	Popularity (number of installations)	Target skin cancer
eDerma	iOS, Android	The Net Firm, Informatica empresarial, S.L., Castellón de la Plana, Spain	Medicine (iOS) Health and fitness (Android)	Apple: 6 Android: n.a.	-	iOS: n.a. Android: 1,000–5,000	All skin disorders → Skin cancer in general
First Derm: Dermatologie Online (Android); First Derm Online Dermatologie (iOS) ^{a,b}	Android	iDoc24 Inc, Berkeley, CA, USA	Medicine	iOS: 8 Android: n.a.	In-app-purchase	iOS: n.a. Android: 10,000–50,000	All skin disorders → Skin cancer in general
Globaler UV Index Tracker & Vorhersage UVI Mate (Android), UV Index Now – UVI Mate (iOS) ^a	Android	Alexander Ershov, Perth, Australia	Weather	iOS: 1 Android: n.a.	In-app-purchase	iOS: n.a. Android: 10,000–50,000	Skin cancer in general
iDoc 24 – Dermatologie Online (Android) iDoc 24 – Ask a dermatologist (iOS) ^{a,b}	Android	iDoc24 Inc, Berkeley, CA, USA	Medicine	iOS: 8 Android: n.a.	In-app-purchase	iOS: n.a. Android: 10,000–50,000	All skin disorders → Skin cancer in general
Melanom Test – Risikorechner für Melanome	iOS	Pears Health Cyber s.r.o., Prague, Czech Republic	Medicine	6	-	n.a.	Melanoma
Mole Monitor – Skin mole and rash tracker	iOS	Pro-Cal Powertrain Development Ltd, Brighton, UK	Medicine	31	-	n.a.	Skin cancer in general, focus on melanoma
MoleScope	iOS, Android	MetaOptima Technology Inc, Vancouver, BC, Canada	Medicine	iOS: 6 Android: n.a.	-	iOS: n.a. Android: 5,000–10,000	Skin cancer in general
My UV Patch – La Roche Posay	iOS	L'Oréal S.A., Paris, France	Education	20	-	n.a.	Skin cancer in general
MySkinPal – Muttermal Tracker (Android) Hautkrebs App – MySkinPal – Muttermal Tracker (iOS) ^a	Android	Piero Toffanin, MasseranoLabs LLC, Duluth, MN, USA	Medicine	iOS: 4 Android: n.a.	iOS: 3.49 Android: 2.19	iOS: n.a. Android: –50,000–100,000, Provision: 50–100	Skin cancer in general
Skin Prevention – Fotografische Karte des Körpers für die frühe Aufdeckung von Melanom und von Hautkrebs Skintracer	iOS	DIMENSION S.r.l., Trento, Italy	Medicine	8	7,99	n.a.	All skin disorders → Skin cancer in general
Solarize: Bräunungs Timer SkinVision	iOS	Schmutz Medical GmbH, Basel, Switzerland	Medicine	3	-	n.a.	All skin disorders → Skin cancer in general
Sunface – UV-Selfie UV-Check	Android	Tabero, Bolzano, Italy	Health and fitness	n.a.	-	10,000–50,000	Skin cancer in general
	iOS, Android	SkinVision B.V., Amsterdam, Netherlands	Health and fitness	iOS: 3 Android: n.a.	In-app purchase	iOS: n.a. Android: > 100,000	All skin disorders → Skin cancer in general
	iOS, Android	Titus J. Brinker, Heidelberg, Germany	Health and fitness	iOS: 13 Android: n.a.	-	iOS: n.a. Android: 10,000–50,000	Skin cancer in general
	iOS, Android	Professional Association of German Dermatologists e.V. (BVDD) in cooperation with the German Aerospace Center with LEO Pharma GmbH, Berlin, Germany	Health and fitness	1	-	iOS: n.a. Android: 10,000–50,000	Skin cancer in general
UVLens – UV Index Vorausssage (Android), UV Lens – UV Index (iOS) ^a	Android	Spark Sixty Four Limited, Auckland, New Zealand	Health and fitness	iOS: 2 Android: n.a.	-	iOS: n.a. Android: 50,000–100,000	Skin cancer in general
UV Radiation now ^a	Android	Markus Karjalainen, Finland	Weather	iOS: 1 Android: 8	iOS: 1.09 Android: 1.19	iOS: n.a. Android: 1,000–5,000, Provision: 100–500	Skin cancer in general

^aAlso available for iOS in the Apple App Store (but not in German), therefore listed under "Android". ^bThe apps "iDoc24" and "First Derm" appear to be highly similar and were developed by the same company. n.a.: not available.