

RESOLUTION

Subject: Increasing Skin Cancer Prevention Through SPF 30+ UVA/UVB Utilization
Submitted by: Lisa Anakwenze, MPH, MS and Onajia Stubblefield, MS (Medical Student Section)
Referred to: Reference Committee

WHEREAS, skin cancer is the most commonly diagnosed cancer in the United States¹; and

WHEREAS, there are an estimated 97,610 new cases of invasive and 89,070 cases of in situ melanoma to be diagnosed in the US and estimated 7,990 deaths from the disease in 2023¹; and

WHEREAS, annual skin cancer treatment costs are estimated at \$8.1 billion²; and

WHEREAS, Kentucky is written in literature as the one of the states with the highest disability adjusted life years and mortality rates from melanoma^{3,4}; and

WHEREAS, from 2016 to 2020, Kentucky was in the top 10 states with incidence rates of melanoma^{5,6}; and

WHEREAS, between the years of 2000 and 2019, Kentucky melanoma incidences have steadily increased⁵; and

WHEREAS, there will be an estimated 1,490 cases of melanoma of the skin in Kentucky in 2023⁴⁻⁶; and

WHEREAS, the majority of melanoma, and other skin cancers are attributable to UV exposure, which is a preventable risk factor^{2,7-9}; and

WHEREAS, regular sunscreen use may reduce risk of melanoma by reflecting, absorbing, or scattering UV light¹⁰⁻¹²; and

WHEREAS, the American Academy of Dermatology Association, encourages patients to participate in regular skin self-exams especially if they have a strong personal or family history of skin cancer²; and

WHEREAS, the American Academy of Dermatology Association, reports that SPF15 is most likely insufficient for fair-skinned individuals⁷; and

WHEREAS, current evidence suggests individuals do not apply sunscreen to all sun exposed areas adequately¹³; now, therefore, be it

RESOLVED, that KMA encourages physicians to educate patients on how to conduct self-skin checks; and be it further

RESOLVED, that KMA encourages patients utilize waterproof, broad spectrum (UVA/UVB) sunscreen, with an SPF minimum of 30 on sun exposed areas; and be it further

RESOLVED, that KMA encourages patients wear long sleeves, pants, and hats with a wide brim to reduce sun exposure along with not using tanning beds; and be it further

RESOLVED, that KMA supports and encourages increased full body skin examinations and screening during primary care visits and free health screening events; and be it further

RESOLVED, that KMA supports and advocates for programs that provide free sunscreen that are SPF minimum of 30, waterproof, and broad spectrum (UVA/UVB) coverage directly to physicians to distribute to patients.

References:

- 1 American Cancer Society. *Facts & Figures 2023*. American Cancer Society. Atlanta, Ga. 2023.
- 2 American Academy of Dermatology Association. (2022, April 22). Skin Cancer . <https://www.aad.org/media/stats-skin-cancer>
- 3 Aggarwal, P., Knabel, P., & Fleischer Jr, A. B. (2021). United States burden of melanoma and non-melanoma skin cancer from 1990 to 2019. *Journal of the American Academy of Dermatology*, 85(2), 388-395.
- 4 Laughter, M. R., Maymone, M. B., Karimkhani, C., Rundle, C., Hu, S., Wolfe, S., ... & Dellavalle, R. P. (2020). The burden of skin and subcutaneous diseases in the United States from 1990 to 2017. *JAMA dermatology*, 156(8), 874-881.
- 5 Centers for Disease Control and Prevention. USCS Data Visualizations. [gis.cdc.gov](https://gis.cdc.gov/Cancer/USCS/#/AtAGlance/). Published June 2021.
- 6 American Cancer Society. "American Cancer Society | Cancer Facts & Statistics for Kentucky." *American Cancer Society | Cancer Facts & Statistics, 2023*. cancerstatisticscenter.cancer.org/#!/state/Kentucky.
- 7 American Academy of Dermatology Association. (2023, Jul 19). Sunscreen. <https://www.aad.org/media/stats-sun-screen>
- 8 Arnold M, Kvaskoff M, Thuret A, Guenel P, Bray F and Soerjomatarm I. Cutaneous melanoma in France in 2015 attributable to solar ultraviolet radiation and the use of sunbeds. *J Eur Acad Dermatol Venereol*. Published online April 16, 2018. <https://doi.org/10.1111/jdv.15022>.
- 9 Arnold M et al. Global burden of cutaneous melanoma attributable to ultraviolet radiation in 2012. *Int J Cancer*. 2018 April. <https://doi.org/10.1002/ijc.31527>.
- 10 Islami F, Sauer AG, Miller KD, et al. Cutaneous melanomas attributable to ultraviolet radiation exposure by state. *Int J Cancer*. 2020;147(5):1385-1390. doi:10.1002/ijc.32921.
- 11 Green AC, Williams GM, Logan V, Stratton GM. Reduced melanoma after regular sunscreen use: randomized trial follow-up. *J Clin Oncol*. 2011;29(3):257-263. doi:10.1200/JCO.2010.28.7078
- 12 Watts CG, Drummond M, Goumas C, et al. Sunscreen Use and Melanoma Risk Among Young Australian Adults. *JAMA Dermatol*. 2018;154(9):1001–1009. doi:10.1001/jamadermatol.2018.1774
- 13 Li H, Colantonio S, Dawson A, Lin X, Beecker J. Sunscreen Application, Safety, and Sun Protection: The Evidence. *J Cutan Med Surg*. 2019;23(4):357-369. doi:10.1177/1203475419856611 <https://journals-sagepub-com.echo.louisville.edu/doi/epub/10.1177/1203475419856611>