Function 4: Health tips

1. Limit Alcohol Intake

Tip description: Limiting alcohol consumption can improve health and reduce the risk of liver disease.

Scientific Backing: Excessive alcohol intake is linked to liver disease, certain cancers, and cardiovascular problems.

2. Avoid Smoking

Tip Description: Avoiding smoking can significantly improve overall health.

Scientific Backing: Quitting smoking lowers the risk of developing lung cancer, heart disease, and experiencing a stroke.

3. Healthy Weight Management

Tip Description: Maintaining a healthy weight reduces the risk of chronic diseases.

Scientific Backing: Healthy weight management is associated with lower risks of heart disease, diabetes, and certain cancers.

4. Stay Hydrated

Tip Description: Drinking enough water daily is essential for maintaining overall health

Scientific Backing: Water is crucial for regulating body temperature, lubricating joints, and safeguarding delicate tissues. As well as helping cognitive function for brain function.

5. Have Adequate Sleep

Tip Description: Aim for 7-9 hours of quality sleep each night to support your overall health and well-being.

Scientific Backing: Adequate sleep helps regulate mood, improve cognitive function, and support physical health. It reduces the risk of chronic conditions such as heart disease, diabetes, and high blood pressure

6. Wear Sunscreen

Tip Description: Use sunscreen and wear protective clothing to shield your skin from UV rays.

Scientific Backing: Protecting your skin from UV radiation reduces the risk of skin cancer and prevents premature aging. Studies show that regular use of sunscreen can significantly lower the incidence of skin cancer

7. Hand Hygiene

Tip Description: Teach children to wash their hands regularly, especially before eating and after using the bathroom.

Scientific Backing: Good hand hygiene helps prevent the spread of infections and illnesses.

8. Mental Health Awareness

Tip Description: Encourage open communication about feelings and provide emotional support.

Scientific Backing: Good mental health practices can reduce stress, improve relationships, and enhance overall well-being.

9. Regular Physical Activity

Tip Description: Make physical activity a fun family activity, like playing outside, going for walks, or dancing together.

Scientific Backing: Regular exercise improves cardiovascular health, strengthens muscles, and enhances mood.

10. Limit Screen Time

Tip Description: Set limits on screen time and encourage other activities like reading, playing, and outdoor fun.

Scientific Backing: Reducing screen time can improve sleep quality, physical health, and social interactions.

Function 5: Research Links

1. NHS

https://www.nhs.uk/

2. Mayo Clinic

https://www.mayoclinic.org/

3. CDC (Centers for Disease Control and Prevention)

https://www.cdc.gov/

4. WHO (World Health Organization)

https://www.who.int/health-topics

5. MedlinePlus

https://medlineplus.gov/

6. NIH (National Institutes of Health)

https://www.nih.gov/health-information

7. Local Health Services (UK)

https://www.nhs.uk/nhs-services/services-near-you/

FULL REFERENCE LIST (HARVARD) for function 4no

Alcohol

Berger, D. (2023). *Medical Complications: Common Alcohol-Related Concerns* | *National Institute on Alcohol Abuse and Alcoholism (NIAAA)*. [online] www.niaaa.nih.gov. Available at: www.niaaa.nih.gov/health-professionals-communities/core-resource-on-alcohol-related-concerns.

British Liver Trust (2024). *Alcohol-related Liver Disease (ARLD)*. [online] British Liver Trust. Available at: https://britishlivertrust.org.uk/information-and-support/liver-conditions/alcohol-related-liver-disease/.

Díaz, L.A., Fuentes-López, E., Idalsoaga, F., Ayares, G., Corsi, O., Arnold, J., Cannistra, M., Vio, D., Márquez-Lomas, A., Ramirez-Cadiz, C., Medel, M.P., Hernandez-Tejero, M., Ferreccio, C., Lazo, M., Roblero, J.P., Cotter, T.G., Kulkarni, A.V., Kim, W., Brahmania, M. and Louvet, A. (2023). Association between public health policies on alcohol and worldwide cancer, liver disease and cardiovascular disease outcomes. *Journal of Hepatology*, [online] 80(3). doi:https://doi.org/10.1016/j.jhep.2023.11.006.=

Indunil Karunarathna, Alvis, K.D., P Gunasena, T Hapuarachchi and Asoka Jayawardana (2024).

The Role of Alcohol in Cardiovascular and Neurological Disorders: Current Perspectives. [online]

ResearchGate. Available at:

https://www.researchgate.net/publication/382801167_The_Role_of_Alcohol_in_Cardiovascular_and_Neurological_Disorders_Current_Perspectives.

National Cancer Institute (2021). *Alcohol and Cancer Risk*. [online] National Cancer Institute. Available at: https://www.cancer.gov/about-cancer/causes-prevention/risk/alcohol/alcohol-fact-sheet.

Smoking

Association, A.L. (2024). 8 Ways Your Health Improves When You Quit Smoking. [online] www.lung.org. Available at: https://www.lung.org/research/sotc/by-the-numbers/8-ways-your-health-improves-when-you-quit-smoking.

CDC (2024). *Health Effects of Cigarettes: Cardiovascular Disease*. [online] Smoking and Tobacco Use. Available at: https://www.cdc.gov/tobacco/about/cigarettes-and-cardiovascular-disease.html.

Coughlin, S.S., Vernon, M., Majeed, B., Clary, C., Moore, J., Islam, K. and Tingen, M.S. (2020). Tobacco Cessation, Rural Residence, and Lung Cancer. *Journal of environment and health sciences*, [online] 6(1), p.1. Available at: https://pmc.ncbi.nlm.nih.gov/articles/PMC7644114/ [Accessed 2 Dec. 2024].

Le, T.T.T., Mendez, D. and Warner, K.E. (2024). The Benefits of Quitting Smoking at Different Ages. American journal of preventive medicine, 67(5). doi:https://doi.org/10.1016/j.amepre.2024.06.020.

Mahoney, M.C., Rivard, C., Hammad, H.T., Blanco, C., Sargent, J., Kimmel, H.L., Wang, B., Halenar, M.J., Jueichuan Connie Kang, Borek, N., K. Michael Cummings, Lauten, K., Goniewicz, M.L., Hatsukami, D., Sharma, E., Taylor, K. and Hyland, A. (2021). Cardiovascular Risk Factor and Disease Measures from the Population Assessment of Tobacco and Health (PATH) Study. *International journal of environmental research and public health (Online)*, [online] 18(14), pp.7692–7692. doi:https://doi.org/10.3390/ijerph18147692.

Healthy Weight Management

World Cancer Research Fund (2024). Weight and cancer | World Cancer Research Fund. [online]
World Cancer Research Fund. Available at: https://www.wcrf.org/preventing-cancer/topics/weight-and-cancer/ [Accessed 2 Dec. 2024].

NIH News in Health (2022). *Healthy Weight Control*. [online] NIH News in Health. Available at: https://newsinhealth.nih.gov/2022/12/healthy-weight-control.

WHO (2024). *Obesity and overweight*. [online] World Health Organization. Available at: https://www.who.int/news-room/fact-sheets/detail/obesity-and-overweight.

Wilcox, N.S., Amit, U., Reibel, J.B., Berlin, E., Howell, K. and Ky, B. (2024). Cardiovascular disease and cancer: shared risk factors and mechanisms. *Nature Reviews Cardiology*, [online] 21(11), pp.1–15. doi:https://doi.org/10.1038/s41569-024-01017-x.

Staying hydrated

Barnes, J.N. and Charkoudian, N. (2020). Integrative cardiovascular control in women: Regulation of blood pressure, body temperature, and cerebrovascular responsiveness. *The FASEB Journal*, 35(2). doi:https://doi.org/10.1096/fj.202001387r.

MUNTEANU, C., TEOIBAS-SERBAN, D., IORDACHE, L., BALAUREA, M. and BLENDEA, C.-D. (2021). Water intake meets the Water from inside the human body – physiological, cultural, and health perspectives - Synthetic and Systematic literature review. *Balneo and PRM Research Journal*, 12(3), pp.196–209. doi:https://doi.org/10.12680/balneo.2021.439.

Yuan, H. and Cui, W. (2024). The lubricated matter in body. *Progress in Materials Science*, [online] 146, pp.101334–101334. doi:https://doi.org/10.1016/j.pmatsci.2024.101334.

Unaiza Faizan and Rouster, A.S. (2023). *Nutrition and Hydration Requirements In Children and Adults*. [online] Nih.gov. Available at: https://www.ncbi.nlm.nih.gov/sites/books/NBK562207/.

Have Adequate Sleep

CDC (2024). *About Sleep*. [online] Sleep. Available at: https://www.cdc.gov/sleep/about/index.html.

National Heart, Lung, and Blood Institute (2022). Sleep Deprivation and Deficiency - How Sleep Affects Your Health | NHLBI, NIH. [online] www.nhlbi.nih.gov. Available at: https://www.nhlbi.nih.gov/health/sleep-deprivation/health-effects.

National Institute of Neurological Disorders and Stroke (2024). *Brain Basics: Understanding Sleep*. [online] www.ninds.nih.gov/health-information/public-education/brain-basics/brain-basics-understanding-sleep.

Ramar, K., Malhotra, R.K., Carden, K.A., Martin, J.L., Abbasi-Feinberg, F., Aurora, R.N., Kapur, V.K., Olson, E.J., Rosen, C.L., Rowley, J.A., Shelgikar, A.V. and Trotti, L.M. (2021). Sleep is essential to health: An american academy of sleep medicine position statement. *Journal of Clinical Sleep Medicine*, [online] 17(10), pp.2115–2119. doi:https://doi.org/10.5664/jcsm.9476.

Wear sunscreen

Cancer Research UK (2019). *Sun safety*. [online] Cancer Research UK. Available at: https://www.cancerresearchuk.org/about-cancer/causes-of-cancer/sun-uv-and-cancer/sun-safety.

Holick, M.F. (2020). Sunlight, UV Radiation, Vitamin D, and Skin Cancer: How Much Sunlight Do We Need? *Advances in Experimental Medicine and Biology*, [online] 1268, pp.19–36. doi:https://doi.org/10.1007/978-3-030-46227-7_2.

Sander, M., Sander, M., Burbidge, T. and Beecker, J. (2020). The Efficacy and Safety of Sunscreen Use for the Prevention of Skin Cancer. *Canadian Medical Association Journal*, [online] 192(50), pp.E1802–E1808. doi:https://doi.org/10.1503/cmaj.201085.

Hand Hygiene

Bose, P. (2022). *How can Hand Hygiene Prevent the Spread of Disease?* [online] News-Medical.net. Available at: https://www.news-medical.net/health/How-can-Hand-Hygiene-Prevent-the-Spread-of-Disease.aspx.

Centers for Disease Control and Prevention (2024). *About handwashing*. [online] Clean Hands. Available at: https://www.cdc.gov/clean-hands/about/index.html.

WHO (2021). *Key facts and figures*. [online] WHO. Available at: https://www.who.int/campaigns/world-hand-hygiene-day/2021/key-facts-and-figures.

Mental Health Awareness

National Institute of Mental Health (2024). *Caring for your mental health*. [online] National Institute of Mental Health. Available at: https://www.nimh.nih.gov/health/topics/caring-for-your-mental-health.

National Institutes of Health (2022). *Emotional wellness toolkit*. [online] National Institutes of Health (NIH). Available at: https://www.nih.gov/health-information/emotional-wellness-toolkit.

NHS (2022). Maintaining healthy relationships and mental wellbeing. [online] nhs.uk. Available at: https://www.nhs.uk/every-mind-matters/lifes-challenges/maintaining-healthy-relationships-and-mental-wellbeing/.

Regular Physical Activity

Ahuja, A. and Mathpal, D. (2022). An Analysis of Health Benefits of Exercise. *International Journal of Innovative Research in Engineering & Management*, [online] 9(1), pp.129–133. Available at: https://acspublisher.com/journals/index.php/ijirem/article/view/11251.

National Heart, Lung, and Blood Institute (2022). *Physical Activity and Your Heart - Benefits* | *NHLBI, NIH*. [online] www.nhlbi.nih.gov. Available at: https://www.nhlbi.nih.gov/health/heart/physical-activity/benefits.

World Health Organization (2024). *Physical activity*. [online] World Health Organization. Available at: https://www.who.int/news-room/fact-sheets/detail/physical-activity.

Reduce Screen Time

Hartstein, L.E., Mathew, G.M., Reichenberger, D.A., Rodriguez, I., Allen, N., Chang, A.-M., Chaput, J.-P., Christakis, D.A., Garrison, M., Gooley, J.J., Koos, J.A., Bulck, J.V.D., Woods, H., Zeitzer, J.M., Dzierzewski, J.M. and Hale, L. (2024). The impact of screen use on sleep health across the lifespan: A National Sleep Foundation consensus statement. *Sleep Health: Journal of the National Sleep Foundation*, [online] 0(0). doi:https://doi.org/10.1016/j.sleh.2024.05.001.

Pandya, A. and Lodha, P. (2021). Social Connectedness, Excessive Screen Time during COVID-19 and Mental Health: a Review of Current Evidence. *Frontiers in Human Dynamics*, [online] 3(1). doi:https://doi.org/10.3389/fhumd.2021.684137.

Weatherson, K., Gierc, M., Patte, K., Qian, W., Leatherdale, S. and Faulkner, G. (2020). Complete mental health status and associations with physical activity, screen time, and sleep in youth.

Mental Health and Physical Activity, 19, p.100354.

doi:https://doi.org/10.1016/j.mhpa.2020.100354.