



The Impact of Television and Digital Media on Psychological Well-being

Rizwan Khan

Gomal University, Dera Ismail Khan, KPK, Pakistan

***Correspondence:** Mrkhan_khattak53@gmail.com

Citation | Khan R, “The Impact of Television and Digital Media on Psychological Well-being”, JIRSD, Vol. 2 Issue.2 pp 64-73, Sep 2023

Received | Jul 11, 2023 **Revised |** Aug 09, 2023 **Accepted |** Aug 18, 2023 **Published |** Sep 21, 2023.

This study investigates the effects of television as a source of information, with a specific emphasis on its impact on the psychological well-being of individuals who watch it, and find out the impacts of digital media on mental health. A convenience sample of 150 individuals, comprising both males and females, of different ages, was approached. An initial research was performed using an exploratory survey methodology to investigate the influence of media on its viewership. The results were achieved by the utilization of frequency counting, percentages, and content analysis methodologies. The results suggest that media content is having a negative impact by promoting violence, vulgarity, and chaos, while a smaller percentage of the participants, reported finding the media pleasurable. Moreover, the media has a deep influence on increasing stress and anxiety, affecting the mental and psychological well-being of its audience. Studies have established that media is exerting deleterious effects on the mental well-being of its audience.

Key Words: Television, Digital Media, Content, Violence

Introduction:

Currently, digital media has become a crucial component of everyday life, significantly influencing how people communicate, obtain information, and interact with their surroundings. The widespread presence of digital media, including social networking sites, streaming platforms, online news outlets, and mobile applications, has fundamentally transformed our methods of information consumption and interpersonal communication[1]. The advent of digital media has provided unparalleled potential for communication and the spread of knowledge. However, its influence on mental health has attracted growing attention and worry. This introduction establishes the framework for a thorough examination of the complex correlation between digital media and mental well-being. The text recognizes the significant impact of digital media in contemporary society, emphasizing its widespread influence in several aspects of life. Furthermore, it alludes to the ambivalent impact of this influence, recognizing both the possible advantages and disadvantages linked to the use of digital media[2]. The narrative will explore the various ways in which digital media might influence mental health, considering both the beneficial and detrimental impacts. This introduction establishes the necessary background and framework for a detailed analysis of the intricate relationship between digital media and mental well-being.

Mass media encompasses several means of communication that distribute information or messages to a broad audience[3]. The media can serve various functions. It functions as a medium for acquiring knowledge, amusement, relaxation, and also provoking discomfort and restlessness. Engaging with the media has the capacity to not only influence our emotions but also to invigorate our intellect. Mass media refers to several modes of communication, including books, radio, magazines, newspapers, television, sound

recordings, and computer systems. Each of these channels has its own distinct purpose and offers advantages to the listeners[4]. Each media embodies a specific aspect of a vast industry, inextricably linked to other related sectors. Hence, the media fulfills the dual role of serving the industry and its audience by means of advertising. Media programming is typically consumed during persons' leisure time. An ideal individual has an inherent inclination towards relaxation through their love and appreciation for television programming. Storylines allow viewers to immerse themselves in situations that would otherwise be impossible for them to experience. Media programs have the capacity to influence the ethical and economic ideals of a society by exploiting their susceptible audience[5]. When consumed in a moderate amount, media programs promote positive characteristics, societal well-being, and idealistic values. Optimal intake of television content enhances both personal and societal enjoyment. The media exposes various affects on individuals based on their perceptual abilities. For instance, although some perceive the media as a means of disseminating many cultures to different audiences, those studying politics regard it as a significant source. However, in the commercial sector, factors such as the magnitude of the audience, the arrangement of the space, and individuals' preferences and choices are significant. Identified crucial elements for attaining financial resources in the company sector[6]. From the perspective of religious leaders, the media can be perceived as a source of risk for young people, as it might foster an inclination towards criminal behavior and violence. It is essential to analyze the media from multiple perspectives in today's society, since it plays a big role not only in individuals' lives but also in shaping important social structures. Television functions as a medium for spreading information. This study investigated the impact of television on the population. Television is a form of visual media that use sophisticated encoding techniques to generate a distinct experience that cannot be duplicated in reality. It produces a constant stream of dynamic images. Furthermore, it has the capacity to generate distinctive visual and auditory effects, such as camera cuts, slow motion techniques, accompanying music, unusual sounds, cries, noises, and anonymous narrators, in innovative and original ways[7]. This specific type of media has the potential to change an individual's view of reality due to its ability to produce various forms of multimedia content. Television is widely recognized as a significant force in socialization, as it molds and impacts society while setting its goals. Moreover, it has been observed that possessing a coherent comprehension of television usage and its content significantly impacts perceptions of societal realities. This concerns the presence of material comfort that can be misleading and can shape the way observers perceive themselves and society[8]. Television exerts a substantial influence on multiple facets of life, encompassing health, interpersonal connections, societal dynamics, religious and cultural viewpoints, as well as individual attitudes and behaviors[9].

One of the most prevalent and efficient applications is to rapidly retrieve the latest news. Overall, media enables the average person to obtain and distribute information. Communities derive advantages from the act of acquiring knowledge and engaging in critical analysis through the consumption of bulletins and news sources. Moreover, it enhances the cognitive abilities of young individuals through the observation of gaming programs and comparable media[10]. However, despite the positive attributes, there are also some unfavorable traits. Some information and news presented may evoke feelings of concern, uneasiness, and distress. Through the observation of violent activities depicted in movies and plays, young individuals gain knowledge and then mimic these characters in their own lives, so exposing themselves to potential harm. Similarly, an overabundance of television and other harmful messages might result in heightened levels of violent conduct in children, thus jeopardizing their future welfare. Media has a significant impact on the arts, music, plays, and fashion shows that appeal to the current generation[11]. These depictions entice

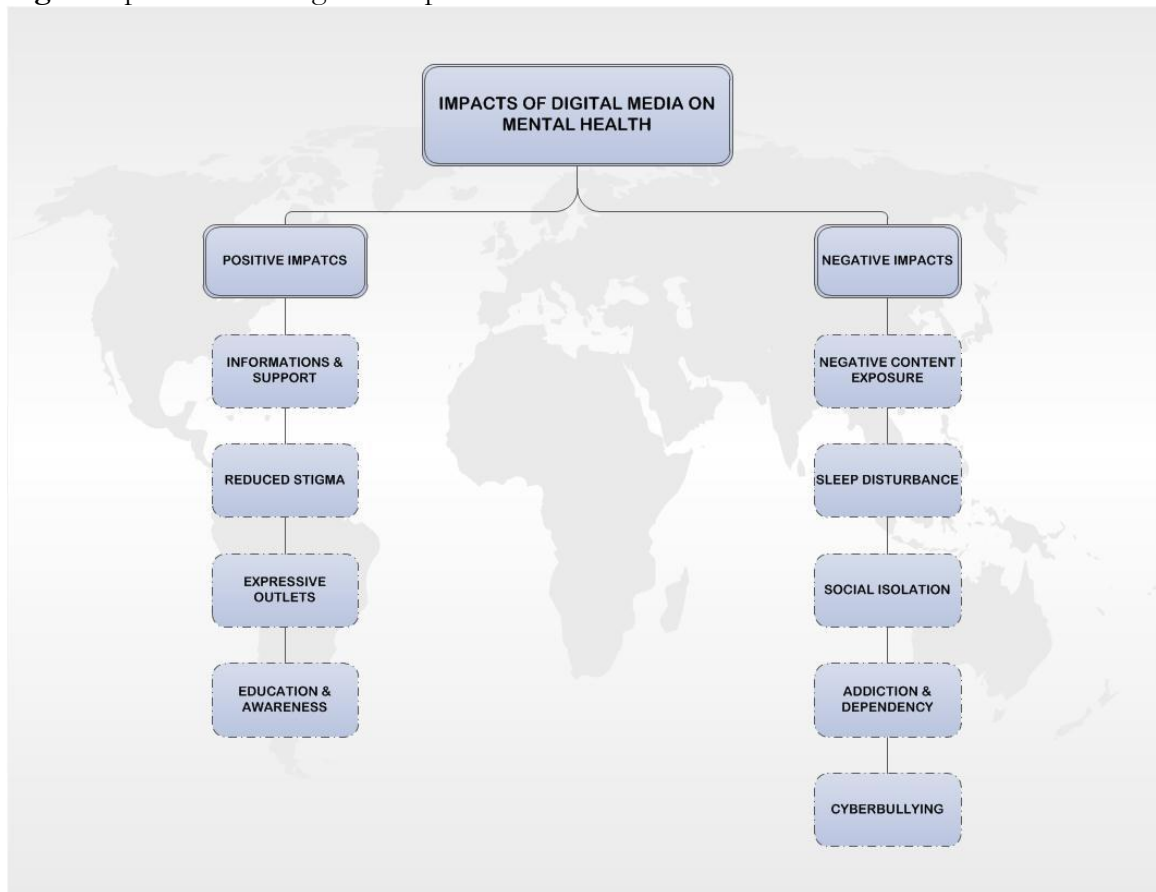
today's young people to adopt a mindset of excessive spending on items that bring satisfaction. The trends entice children to participate in projects that may be inappropriate for them[12].

Upon a cursory examination of the media, it is not unreasonable to assert that the messages and information disseminated through this medium have an impact on and mold the opinions, attitudes, and psychological states of the audience. The existing literature fails to address the impact of media on the audience when it comes to transmitting news, information, and other messages that individuals and communities receive on a daily basis[13]. Our country is currently experiencing a critical era in various aspects. Therefore, the absence of evidence regarding the impact of media on an individual's psychological well-being is a significant knowledge and system gap[14].

Impacts of Digital Media on Mental Health:

The ubiquitous influence of digital media on mental health is a topic of rising concern in contemporary society. Although digital platforms provide several advantages such as connectedness, information accessibility, and entertainment, they also pose substantial obstacles to mental well-being[15]. The overconsumption of social media has been associated with emotions of isolation, melancholy, and unease, as individuals may encounter social comparison and the apprehension of being excluded. Additionally, the continuous exposure to carefully selected, frequently idealized depictions of lives and physical appearances can contribute to low self-esteem and unhappiness with one's body. The constant availability of digital communication might disturb sleep patterns, resulting in tiredness and cognitive deficits[16]. Moreover, cyberbullying and online harassment present significant risks to mental well-being, inducing anguish and psychological suffering. In light of the ongoing evolution of digital media, it is imperative to recognize and confront its influence on mental well-being by means of education, moderation, and the advocacy of sound digital practices.

Furthermore, digital media's impact on mental health include attention span and cognitive function, in addition to the effects already discussed[17]. The incessant influx of notifications, emails, and updates can result in an overwhelming amount of information and reduced capacity to concentrate, hence causing stress and diminished productivity. Moreover, the addictive nature of digital devices and platforms, particularly among younger people, raises worries about the development of reliance and compulsive behaviors, analogous to drug abuse disorders. This dependency might additionally intensify psychological health problems and impede social relationships and involvement in real-life activities[18]. Moreover, the occurrence of "doom scrolling," which refers to the excessive consumption of negative news and content on the internet, can intensify feelings of dread and despair. To tackle these diverse effects, a comprehensive strategy is needed, encompassing the provision of digital literacy training, the promotion of mindfulness techniques, and the cultivation of a nurturing online atmosphere that values the welfare of individuals more than measures of user engagement. Figure 1 is illustrating positive and negative impacts on mental health:

Figure 1:positive and negative impacts on mental health:

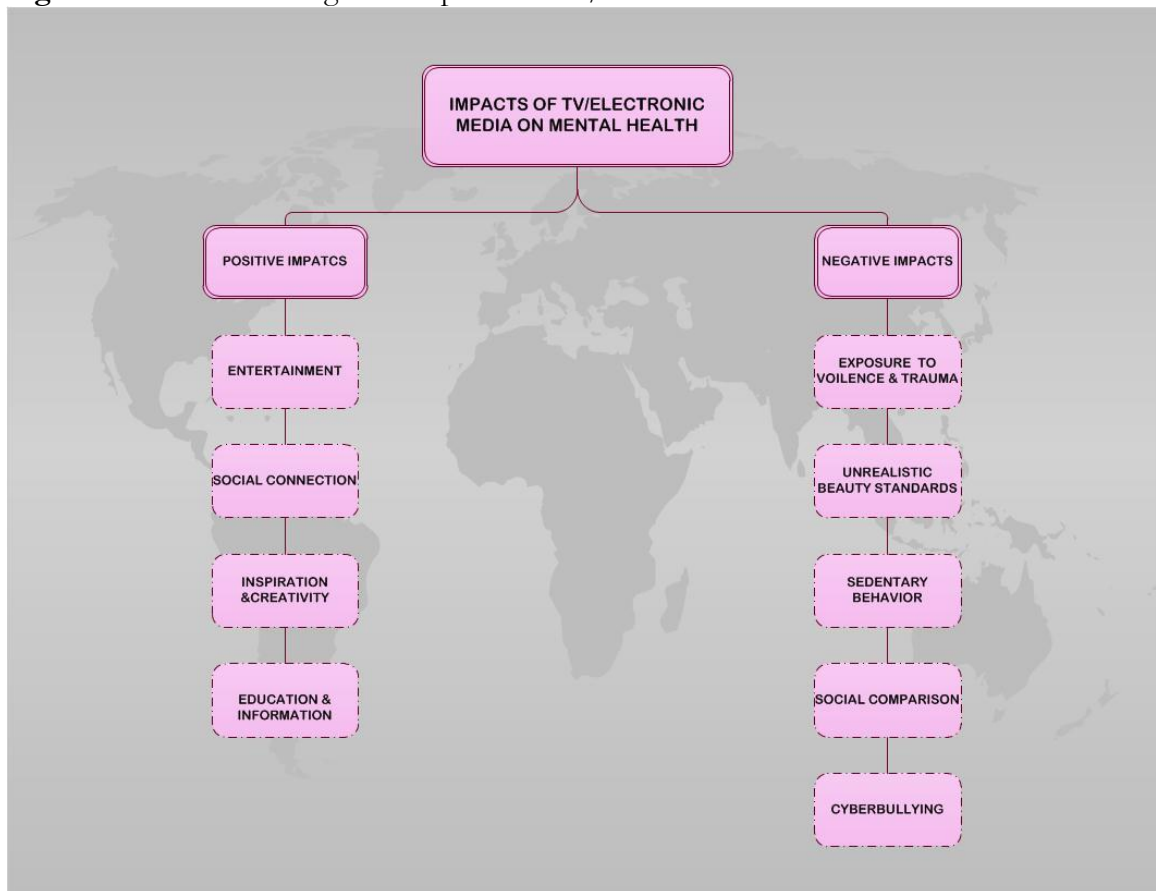
Positive and Negative Impacts on Mental Health

Impact of Television and Electronic Media on Mental Health:

The impact of television and electronic media on mental health is a complex issue that affects different facets of contemporary living. Although modern media platforms provide numerous advantages, such as amusement, learning opportunities, information sharing, and cultural interaction, they also exert a significant influence on mental health. A major problem arises from the material itself, as television programs, movies, and online platforms frequently portray instances of violence, pain, and misery. Prolonged exposure to such visual content can lead to viewers becoming desensitized, intensify sensations of dread, and contribute to a mistaken understanding of reality. Furthermore, the exaggeration of news and events in electronic media can intensify these impacts, cultivating an atmosphere of fear and uncertainty. Moreover, the widespread use of advertising, especially those that endorse unattainable ideals of beauty and materialistic ways of life, can generate feelings of insufficiency and sustain a culture of excessive consumption, so exacerbating mental health issues. In addition to the content, the extensive quantity and ease of access to electronic media can disturb sleep habits, cognitive performance, and social interactions. Engaging in excessive television viewing or aimlessly browsing social media can result in a sedentary lifestyle, social isolation, and less physical activity, all of which have negative effects on both mental and physical well-being. Moreover, the captivating quality of electronic media, marked by incessant notifications and the appeal of immediate satisfaction, can cultivate reliance and compulsive tendencies, similar to substance addiction diseases. Understanding these intricate relationships emphasizes the significance of advocating for media literacy, developing conscientious consuming practices, and cultivating a media atmosphere that promotes favorable mental health results. By enabling individuals to navigate electronic

media in a responsible and critical manner, we can reduce the adverse effects it has and utilize its potential as a tool for fostering well-being and resilience in the digital era. Figure 2 illustrates the positive and negative impacts of TV/Electronic Media on Mental Health

Figure 2 Positive and Negative Impacts of TV/Electronic Media on Mental Health



Positive and Negative Impacts of TV/Electronic Media on Mental Health

Method and Material:

This study employed an exploratory survey research approach. The dataset was obtained from a sample of 150 individuals, including both males and females, with different age groups. A detailed survey was conducted among a broad sample of 150 people to evaluate the influence of media on mental health. The survey sought to comprehend individual's patterns of media consumption, their beliefs regarding the impact of media on mental well-being, and the techniques they employ to counteract any potential adverse impacts. The survey instrument consisted of a combination of quantitative and qualitative questions, encompassing many kinds of media consumption such as television, social media, online news, and streaming platforms. This approach aimed to ensure a broad representation of individuals from various age groups, gender identities, and socioeconomic backgrounds. Every individual involved in the poll was given informed consent, which ensured that their responses would be kept personal and anonymous[19].

Result and Discussion:

The study findings unveiled significant revelations on the impact of television and digital media on psychological well-being. By employing exploratory survey methods and content analysis, it was determined that media material primarily has adverse effects, specifically in the promotion of violence, vulgarity, and chaos. Although a small number of individuals reported finding pleasure in consuming media, a substantial proportion of participants admitted to suffering heightened levels of tension and anxiety due to exposure

to media. These studies emphasize the significant influence of media on the mental and psychological welfare of its viewers. In summary, the study emphasizes the urgent necessity for increased awareness and careful assessment of media content in order to reduce negative impacts on mental well-being.

Table 1

Respondents Perceptions of the Influence of Media on Mental Health:

| Opinion | N=150 Respondents | Percentage |
|---|----------------------|------------|
| "Media can worsen mental health conditions." | 98 | 65.33% |
| "Social media contributes to superfluous stress." | 79 | 52.67% |
| "The representation of body image in the media has an impact on one's self-esteem." | 83 | 55.33% |
| "Media exerts a beneficial influence on the promotion and recognition of mental health awareness." | 39 | 26.00% |
| "Media can offer valuable mental health resources." | 45 | 30.00% |
| "I make a conscious effort to restrict the amount of media I consume in order to improve my mental well-being." | 35 | 23.33% |
| "The media perpetuates unattainable ideals of beauty." | 104 | 69.33% |
| "Media provides a forum for engaging in conversations about mental health." | 65 | 43.33% |
| "Media fosters the act of comparing oneself to others and generates emotions of inadequacy." | 113 | 75.33% |
| "The media plays a crucial role in reducing the social stigma associated with mental health problems." | 58 | 38.67% |
| "The media exaggerates and sensationalizes stories related to mental health." | 91 | 60.67% |
| "Media cultivates a societal environment characterized by perpetual interconnectedness." | 61 | 40.67% |

Media can exacerbate mental health disorders:

The statement implies that participants widely acknowledge that being exposed to specific media material or platforms can worsen pre-existing mental health problems. Factors such as adverse media coverage, provocative content, and online harassment on social media platforms may contribute to this image.

Social media exacerbates unnecessary stress:

Participants commonly link social media with perpetual comparison, the apprehension of missing out (FOMO), and the need to portray an idealized persona. This might result in emotions of inadequacy and anxiety, which contribute to the belief that using social media causes unnecessary stress.

The portrayal of physical appearance in the media influences an individual's self-esteem:

Media depictions frequently endorse limited beauty norms, resulting in individuals unfavorably comparing themselves to unattainable ideals. This phenomenon can gradually diminish one's self-esteem, especially among individuals who do not adhere to these norms, resulting in unhappiness with their physical appearance and associated mental health problems.

Media plays a positive role in promoting and raising awareness about mental health:

The participants acknowledge that media platforms have the potential to positively contribute to the awareness, DE stigmatization, and encouragement of seeking help for

mental health issues. This recognition is based on the observed increase in media coverage of mental health and the use of educational content and personal stories.

The media can provide valuable mental health resources:

Participants recognize that media platforms, such as websites, blogs, podcasts, and online forums, offer a wide range of information, support networks, and therapeutic tools for persons seeking mental health aid or self-help tactics.

I deliberately limit my media consumption to enhance my mental well-being:

This statement demonstrates an individual's ability to make independent choices and their understanding of their own media consumption patterns. Participants acknowledge the possible influence of excessive media use on their mental well-being and consciously opt to restrict or regulate their usage in order to preserve their overall health.

The media perpetuates unrealistic standards of beauty:

Participants voice apprehension on the widespread impact of media in endorsing unattainable ideals of physical allure, resulting in discontentment with one's body, diminished self-worth, and detrimental practices including eating disorders and cosmetic procedures.

Media serves as a platform for facilitating discussions pertaining to mental health:

This statement emphasizes the function of media platforms as arenas for unrestricted discourse, promotion, and communal assistance pertaining to mental health matters. Participants acknowledge the importance of utilizing media platforms to share personal experiences, gain insights from experts, and confront societal stigmas.

Media facilitates the practice of self-comparison and elicits feelings of inadequacy:

Media use is seen by participants as promoting social comparison processes, which result in sentiments of inferiority and inadequacy when individuals compare themselves to idealized images or carefully crafted lifestyles portrayed in media content.

The media has a vital role in diminishing the societal stigma linked to mental health issues:

Participants acknowledge the progress made in media portrayals of mental health, but they also realize the persistent difficulties in fighting against stigma. Positive portrayals, precise renderings, and advocacy efforts are considered essential in confronting misunderstandings and promoting empathy.

The media amplifies and sensationalizes narratives pertaining to mental health:

Participants voice apprehension regarding sensationalist and deceptive media portrayal of mental health matters, which might perpetuate stereotypes, heighten anxiety, and foster public misconceptions. Accurate representation is considered crucial, necessitating balanced and ethical reporting.

The media fosters a social atmosphere characterized by constant interconnectedness:

Participants acknowledge the ubiquitous presence of media in contemporary culture, facilitated by the continuous access provided by cellphones, social media, and digital communication platforms. Although technology provides chances for social interaction and the exchange of knowledge, this continuous exposure can also lead to sensations of being overwhelmed and distracted.

Conclusion:

So far, Social Media has emphasized the susceptibility of individuals, especially as they go through the process of becoming adults, when they are more likely to come across mental health difficulties. Interestingly, these individuals also coincide with being the most frequent users of social media sites, which are progressively linked to mental health concerns. This alarming situation underscores the necessity for additional examination of the connection between social media usage and mental health, acting as a basic inception for more profound inquiry[20]. Acknowledging the detrimental impact of social media on

mental health is an essential first step in comprehending the complex interplay between individuals, their surroundings, their welfare, and the sway of social media. Considering the importance of this matter, as highlighted by the results of multiple research studies, it is crucial to enhance public consciousness regarding the correlation between mental health and social media[21]. Mental health experts and healthcare providers must be aware of the possible hazards associated with excessive social media usage among young individuals. Having this insight allows them to provide suitable direction and supervision to minimize potential harm [22]. While recognizing the potent and enduring character of social media as a tool, it is equally imperative for users to acknowledge that it is not devoid of adverse repercussions. By considering the possible negative consequences of their online contacts, individuals might make better choices regarding their conduct on social media sites. Young individuals must possess a thorough comprehension of the hazards linked to the utilization of social media, which includes both their psychological welfare and their online conduct. Individuals can effectively limit their usage and behavior on social media platforms only if they acknowledge the indisputable threats that these platforms pose to their mental health[23]. In the digital era, parents have a vital responsibility in protecting their children's mental health. Parents may address the potential adverse effects of social media on their children's mental well-being by recognizing them. This enables them to have significant discussions about cultivating appropriate social media practices, regulating screen time, and ultimately safeguarding their children from potential mental health concerns. Furthermore, it is important to acknowledge that certain internet users perceive the inability to control their online usage as a type of psychological addiction, rather than a dependency on substances. Neuroimaging of patients with this addiction shows comparable cognitive deficits in brain regions seen in those with drug dependency. The immediate satisfaction and limited exertion linked to consuming digital media contribute to a rewiring of the brain, resulting in addictive behaviors similar to drug cravings. In addition, it is important to note that heavy media users do not generally demonstrate exceptional multitasking abilities, despite what is commonly believed. Studies indicate that regular media use might actually limit an individual's ability to move between tasks effectively, reduce the brain's ability to filter out distractions, and impede the encoding of information into memory. Moreover, the occurrence referred to as Phantom Vibration Syndrome, in which individuals erroneously sense their phone vibrating when it is not, highlights the significant influence of technology on our neurological circuitry. This phenomenon, encountered by a substantial proportion of people, signifies the reconfiguration of our brains as a result of technological progress, resulting in increased stimulation and modified perception[24].

Suggestions:

- Develop media literacy skills to enable individuals to critically assess media material.
- Champion the implementation of more stringent laws to restrict detrimental portrayals in the media.
- Encourage the dissemination of optimistic and inspiring media content to cultivate emotional fortitude.
- Promote conscientious consumption and discerning interaction with media.
- Enhance the availability of mental health services for individuals affected by media exposure.
- Offer advice to parents regarding the supervision of their children's media intake.
- Promote synergy between mental health experts and the media business.
- Advocate for additional investigation into the enduring impacts of media on psychological well-being.

References:

- [1] I. Sharif, T. A. Wills, and J. D. Sargent, "Effect of Visual Media Use on School Performance: A Prospective Study," *J. Adolesc. Heal.*, vol. 46, no. 1, pp. 52–61, Jan. 2010, doi: 10.1016/J.JADOHEALTH.2009.05.012.
- [2] B. Sharma, E. W. Nam, D. Kim, Y. M. Yoon, Y. Kim, and H. Y. Kim, "Role of gender, family, lifestyle and psychological factors in self-rated health among urban adolescents in Peru: A school-based cross-sectional survey," *BMJ Open*, vol. 6, no. 2, 2016, doi: 10.1136/BMJOPEN-2015-010149.
- [3] T. Sugiyama, G. N. Healy, D. W. Dunstan, J. Salmon, and N. Owen, "Joint associations of multiple leisure-time sedentary behaviours and physical activity with obesity in Australian adults," *Int. J. Behav. Nutr. Phys. Act.*, vol. 5, Jul. 2008, doi: 10.1186/1479-5868-5-35.
- [4] R. Lowry, H. Wechsler, D. A. Galuska, J. E. Fulton, and L. Kann, "Television viewing and its associations with overweight, sedentary lifestyle, and insufficient consumption of fruits and vegetables among US high school students: Differences by race, ethnicity, and gender," *J. Sch. Health*, vol. 72, no. 10, pp. 413–421, 2002, doi: 10.1111/J.1746-1561.2002.TB03551.X.
- [5] J. Falbe, W. C. Willett, B. Rosner, S. L. Gortmaker, K. R. Sonnevile, and A. E. Field, "Longitudinal relations of television, electronic games, and digital versatile discs with changes in diet in adolescents," *Am. J. Clin. Nutr.*, vol. 100, no. 4, pp. 1173–1181, Oct. 2014, doi: 10.3945/AJCN.114.088500.
- [6] N. Koezuka et al., "The Relationship between Sedentary Activities and Physical Inactivity among Adolescents: Results from the Canadian Community Health Survey," *J. Adolesc. Heal.*, vol. 39, no. 4, pp. 515–522, Oct. 2006, doi: 10.1016/J.JADOHEALTH.2006.02.005.
- [7] S. Ghavamzadeh, H. R. Khalkhali, and M. Alizadeh, "TV viewing, independent of physical activity and obesogenic foods, increases overweight and obesity in adolescents," *J. Heal. Popul. Nutr.*, vol. 31, no. 3, pp. 334–342, 2013, doi: 10.3329/JHPN.V31I3.16825.
- [8] H. Kaur, W. S. Choi, M. S. Mayo, and K. J. Harris, "Duration of television watching is associated with increased body mass index," *J. Pediatr.*, vol. 143, no. 4, pp. 506–511, 2003, doi: 10.1067/S0022-3476(03)00418-9.
- [9] M. Fuller-Tyszkiewicz, H. Skouteris, L. L. Hardy, and C. Halse, "The associations between TV viewing, food intake, and BMI. A prospective analysis of data from the Longitudinal Study of Australian Children," *Appetite*, vol. 59, no. 3, pp. 945–948, Dec. 2012, doi: 10.1016/J.APPET.2012.09.009.
- [10] I. Janssen et al., "Comparison of overweight and obesity prevalence in school-aged youth from 34 countries and their relationships with physical activity and dietary patterns," *Obes. Rev.*, vol. 6, no. 2, pp. 123–132, May 2005, doi: 10.1111/J.1467-789X.2005.00176.X.
- [11] H. J. Breidablik, E. Meland, and S. Lydersen, "Self-rated health in adolescence: A multifactorial composite," *Scand. J. Public Health*, vol. 36, no. 1, pp. 12–20, 2008, doi: 10.1177/1403494807085306.
- [12] K. M. Herman, W. M. Hopman, and C. M. Sabiston, "Physical activity, screen time and self-rated health and mental health in Canadian adolescents," *Prev. Med. (Baltim.)*, vol. 73, pp. 112–116, Apr. 2015, doi: 10.1016/J.YPMED.2015.01.030.
- [13] A. B. Jordan and T. N. Robinson, "Children, television viewing, and weight status: Summary and recommendations from an expert panel meeting," *Ann. Am. Acad. Pol. Soc. Sci.*, vol. 615, no. 1, pp. 119–132, Jan. 2008, doi: 10.1177/0002716207308681.
- [14] R. J. Iannotti et al., "Interrelationships of adolescent physical activity, screen-based sedentary behaviour, and social and psychological health," *Int. J. Public Health*, vol. 54, no. SUPPL. 2, 2009, doi: 10.1007/S00038-009-5410-Z.
- [15] L. F. Gomez et al., "Television viewing and its association with overweight in Colombian children: Results from the 2005 National Nutrition Survey: A cross sectional study," *Int. J. Behav. Nutr. Phys. Act.*, vol. 4, Sep. 2007, doi: 10.1186/1479-5868-4-41.
- [16] M. H. Proctor et al., "Television viewing and change in body fat from preschool to early adolescence: The Framingham Children's Study," *Int. J. Obes.*, vol. 27, no. 7, pp. 827–833, Jul. 2003, doi: 10.1038/SJ.IJO.0802294.
- [17] N. Matin et al., "Joint association of screen time and physical activity on self-rated health and life satisfaction in children and adolescents: The CASPIAN-IV study," *Int. Health*, vol. 9, no. 1, pp. 58–68, Jan. 2017, doi: 10.1093/INTHEALTH/IHW044.
- [18] B. Sharma, R. C. Chavez, A. S. Jeong, and E. W. Nam, "Television Viewing and Its Association with

Sedentary Behaviors, Self-Rated Health and Academic Performance among Secondary School Students in Peru, *Int. J. Environ. Res. Public Heal.* 2017, Vol. 14, Page 383, vol. 14, no. 4, p. 383, Apr. 2017, doi: 10.3390/IJERPH14040383.

- [19] M. S. Tremblay et al., "Systematic review of sedentary behaviour and health indicators in school-aged children and youth," *Int. J. Behav. Nutr. Phys. Act.*, vol. 8, Sep. 2011, doi: 10.1186/1479-5868-8-98.
- [20] M. Scully, H. Dixon, V. White, and K. Beckmann, "Dietary, physical activity and sedentary behaviour among Australian secondary students in 2005," *Health Promot. Int.*, vol. 22, no. 3, pp. 236–245, Sep. 2007, doi: 10.1093/HEAPRO/DAM021.
- [21] J. L. Wiecha, K. E. Peterson, D. S. Ludwig, J. Kim, A. Sobol, and S. L. Gortmaker, "When children eat what they watch: Impact of television viewing on dietary intake in youth," *Arch. Pediatr. Adolesc. Med.*, vol. 160, no. 4, pp. 436–442, Apr. 2006, doi: 10.1001/ARCHPEDI.160.4.436.
- [22] A. E. Bombak, "Self-rated health and public health: A critical perspective," *Front. Public Heal.*, vol. 1, no. MAY, May 2013, doi: 10.3389/FPUBH.2013.00015.
- [23] S. J. H. Biddle, T. Gorely, and D. J. Stensel, "Health-enhancing physical activity and sedentary behaviour in children and adolescents," *J. Sports Sci.*, vol. 22, no. 8, pp. 679–701, Aug. 2004, doi: 10.1080/02640410410001712412.
- [24] A. Bener, H. S. Al-Mahdi, P. J. Vachhani, M. Al-Nufal, and A. I. Ali, "Do excessive internet use, television viewing and poor lifestyle habits affect low vision in school children?," *J. Child Heal. Care*, vol. 14, no. 4, pp. 375–385, 2010, doi: 10.1177/1367493510380081.