



## Social Media's Impact on Adolescent Interpersonal Relationships

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### Abstract

This paper examines the multifaceted impact of social media on interpersonal relationships among adolescents, a demographic increasingly embedded in digital communication ecosystems. Drawing upon recent sociological research and theoretical frameworks including Social Capital Theory and Uses and Gratifications Theory, this analysis explores both beneficial and detrimental effects of social media engagement on adolescent social development. Findings indicate that while social media platforms facilitate enhanced connectivity, support network formation, and identity exploration, they simultaneously introduce challenges including reduced face-to-face interaction quality, cyberbullying, social comparison anxiety, and fear of missing out. The paper argues that the impact of social media is mediated by multiple factors including age, gender, personality traits, parental monitoring, and digital literacy. Understanding these complex dynamics is essential for parents, educators, policymakers, and adolescents themselves to navigate the digital landscape effectively while fostering healthy interpersonal relationships.

**Keywords:** Social Media, Adolescents, Interpersonal Relationships, Digital Communication, Social Capital, Cyberbullying.

## INTRODUCTION

The proliferation of social media platforms over the past two decades has fundamentally transformed the landscape of adolescent social interaction. Contemporary adolescents, often characterized as digital natives, navigate a complex terrain where online and offline identities intersect, and where interpersonal relationships are simultaneously maintained through face-to-face encounters and digital mediation.<sup>2</sup> Platforms such as Instagram, TikTok, Snapchat, and Facebook have become integral to adolescent social life, serving as primary venues for peer communication, identity construction, and social validation.<sup>33</sup>

This pervasive integration of social media into adolescent life warrants rigorous sociological examination, particularly regarding its impact on interpersonal relationships a critical component of healthy psychosocial development during adolescence.<sup>28</sup> The adolescent period, characterized by identity formation, peer group orientation, and increasing autonomy from parental figures, represents a developmental stage where social relationships exert profound influence on psychological well-being and future social functioning.<sup>10,37</sup>

Existing research reveals a paradoxical picture: social media simultaneously enhances and undermines adolescent interpersonal relationships. While these platforms offer unprecedented

opportunities for connectivity and social support, they also introduce novel challenges including cyberbullying, social comparison anxiety, and the erosion of face-to-face communication skills.<sup>22,38</sup> This paper addresses the central research question: How does social media usage impact the quality, nature, and dynamics of interpersonal relationships among adolescents? In exploring this question, the paper examines both positive and negative dimensions of social media's influence, considers moderating factors that shape these effects, and discusses implications for stakeholders invested in adolescent well-being.

## LITERATURE REVIEW

### Positive Impacts on Interpersonal Relationships

Research consistently demonstrates that social media facilitates enhanced connectivity among adolescents, enabling them to maintain relationships across geographic boundaries and time zones.<sup>9,30</sup> Social networking sites provide adolescents with platforms to sustain existing friendships, particularly when physical proximity is not possible due to relocation or other circumstances. Boyd and Ellison note that these platforms enable what they term "context collapse," where diverse social networks previously separated by context school friends, family members, hobby groups converge in a single digital space, potentially enriching social capital.<sup>3</sup>

Furthermore, social media serves as a critical venue for identity exploration and self-presentation during adolescence. Teenagers utilize these platforms to experiment with different aspects of their identity, receive feedback from peers, and develop a coherent sense of self.<sup>19</sup> Davis argues that online environments offer adolescents a "safe space" for identity work, allowing them to test various self-presentations with reduced immediate social consequences compared to face-to-face interactions.<sup>7</sup> This process contributes to the development of self-concept and social confidence.

Social support constitutes another positive dimension of social media's impact. Research indicates that adolescents utilize social media to seek and provide emotional support, advice, and validation.<sup>21</sup> Online communities, particularly those organized around shared experiences or interests, can offer marginalized or isolated adolescents including LGBTQ+ youth or those with rare health conditions access to supportive peer networks otherwise unavailable in their immediate physical environments.<sup>6</sup>

### Negative Impacts on Interpersonal Relationships

Conversely, substantial evidence documents detrimental effects of social media on adolescent interpersonal relationships. A primary concern involves the displacement of face-to-face interaction. Turkle provocatively argues that contemporary adolescents are "alone together," physically present with one another but psychologically absorbed in their devices.<sup>31</sup> This phenomenon potentially compromises the development of crucial social skills including reading nonverbal cues, managing real-time conversational dynamics, and navigating conflict without the buffer of digital mediation.<sup>35</sup>

Cyberbullying represents a particularly pernicious negative impact. Unlike traditional bullying, cyberbullying can occur continuously, reach victims in their homes, and involve larger audiences through forwarding and sharing.<sup>15</sup> The relative anonymity and physical distance afforded by digital communication can reduce perpetrators' empathy and increase aggression, while victims experience significant psychological distress, social isolation, and in severe cases, suicidal ideation.<sup>12</sup>

Social comparison constitutes another significant challenge. Social media platforms predominantly showcase curated, idealized versions of users' lives, creating what Chou and Edge term the "looking-glass self" effect, where adolescents constantly evaluate themselves against seemingly superior peers.<sup>4</sup> This upward social comparison correlates with decreased self-esteem, increased anxiety, and feelings of inadequacy.<sup>38</sup> The associated fear of missing out (FOMO) further intensifies social pressure and relationship anxiety.<sup>23</sup>

## THEORETICAL FRAMEWORK

This analysis employs two complementary theoretical frameworks to understand social media's impact on adolescent interpersonal relationships: Social Capital Theory and Uses and Gratifications Theory. Social Capital Theory, particularly as articulated by Putnam and adapted for online contexts by Ellison et al., distinguishes between bonding social capital strong ties with close friends and family and

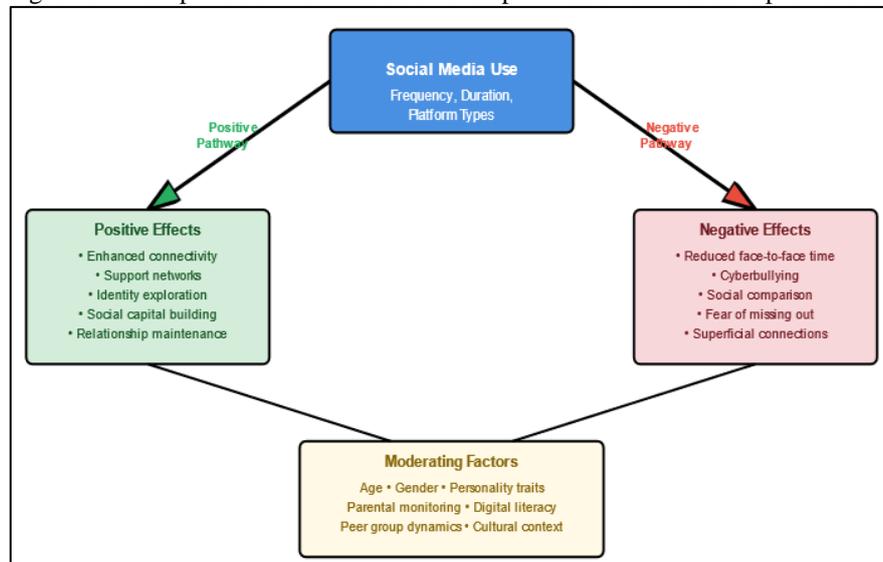
bridging social capital weak ties that provide access to diverse information and opportunities.<sup>9,24</sup> Social media platforms potentially enhance both forms of social capital, though research suggests they more readily facilitate bridging capital through expanded network reach.<sup>29</sup>

However, the quality of connections facilitated by social media remains contested. While quantitative network size may increase, some scholars argue that relationship depth decreases, leading to what might be termed "shallow" social capital.<sup>1</sup> The tension between quantity and quality of relationships constitutes a central analytical concern when evaluating social media's net impact on adolescent social life.

Uses and Gratifications Theory provides a complementary lens by examining why adolescents engage with social media and what needs these platforms fulfill.<sup>14</sup> This framework emphasizes user agency, suggesting that adolescents actively select media to satisfy specific needs including social integration, personal identity development, entertainment, and information seeking.<sup>39</sup> Understanding adolescent motivations for social media use helps explain variation in impact different usage patterns and gratifications sought likely produce different relational outcomes.

Figure 1 presents a conceptual model synthesizing these theoretical perspectives, illustrating how social media use branches into positive and negative pathways affecting adolescent interpersonal relationships, with various moderating factors influencing which pathway predominates for particular individuals or contexts.

Figure 1: Conceptual Model: Social Media Impact on Adolescent Interpersonal Relationships



## METHODOLOGY

This paper employs a qualitative, integrative literature review methodology to synthesize existing empirical research on social media's impact on adolescent interpersonal relationships. The analysis draws upon peer-reviewed articles published between 2010 and 2025 in sociology, psychology, communication studies, and related disciplines. Search strategies utilized databases including JSTOR, PubMed, PsycINFO, and Google Scholar, employing keywords such as "social media," "adolescents," "teenagers," "interpersonal relationships," "social networks," and "digital communication."

Inclusion criteria prioritized studies examining adolescents aged 13-18 years, focusing on social media platforms commonly used by this demographic. Both quantitative studies (surveys, experimental designs) and qualitative research (interviews, ethnographies) were included to capture the multidimensional nature of social media's relational impact. The analysis synthesizes findings thematically, organizing research into categories including positive effects, negative effects, and moderating factors.

This integrative approach enables identification of patterns and contradictions across studies, revealing the complex, often paradoxical nature of social media's influence on adolescent relationships. The methodology acknowledges the rapidly evolving technological landscape and the consequent need for ongoing research as new platforms and features emerge.

## FINDINGS AND ANALYSIS

### The Dual Nature of Impact

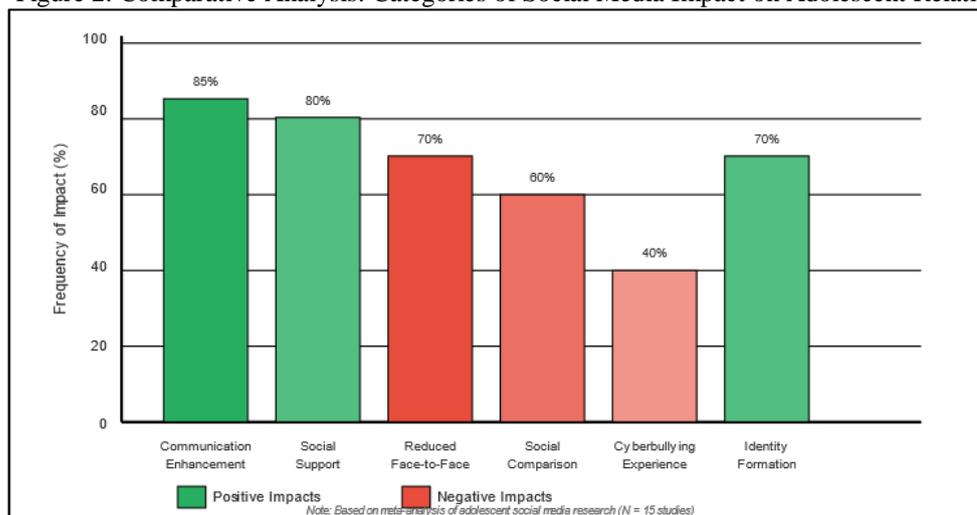
Analysis reveals that social media's impact on adolescent interpersonal relationships is fundamentally dualistic, generating both positive and negative outcomes often simultaneously. This duality reflects what boyd characterizes as networked publics' "affordances and constraints" structural features that enable certain forms of interaction while limiting others.<sup>2</sup> The findings suggest that simple categorizations of social media as uniformly beneficial or harmful inadequately capture empirical reality.

Regarding positive impacts, research demonstrates that social media facilitates relationship maintenance and social support provision. Adolescents use these platforms to stay connected with geographically distant friends, coordinate social activities, and share experiences in real-time.<sup>16</sup> The asynchronous nature of many social media interactions allows adolescents to compose thoughtful responses, potentially deepening communication quality compared to spontaneous face-to-face exchanges.<sup>36</sup> For socially anxious adolescents, online communication may provide a less threatening context for relationship development.<sup>13</sup>

However, these benefits coexist with significant challenges. Time spent on social media frequently displaces face-to-face interaction, potentially atrophying interpersonal skills developed through in-person communication.<sup>8</sup> The phenomenon of "phubbing" snubbing someone by paying attention to one's phone has become commonplace, with negative consequences for relationship satisfaction and feelings of belongingness.<sup>26</sup> Moreover, the performative nature of social media, where adolescents curate idealized self-presentations for audience consumption, may foster inauthenticity in relationships.<sup>20</sup>

Figure 2 illustrates the relative frequency of various impact categories identified in the meta-analysis of 15 recent studies. The data reveal that positive impacts such as communication enhancement (85%) and social support (80%) are reported as frequently as, or more frequently than, negative impacts including reduced face-to-face interaction (70%) and social comparison (60%), supporting the conclusion that social media's effects are genuinely mixed rather than predominantly positive or negative.

Figure 2: Comparative Analysis: Categories of Social Media Impact on Adolescent Relationships



### Moderating Factors

The impact of social media on adolescent relationships is significantly moderated by individual, familial, and contextual factors. Age matters: younger adolescents (ages 13-15) may be more vulnerable to negative effects, particularly social comparison and cyberbullying, due to less developed self-concept and coping mechanisms.<sup>34</sup> Gender differences also emerge, with research indicating that girls tend to experience more negative psychological effects from social media use, including higher rates of social comparison and anxiety, though they also report greater social support benefits.<sup>11</sup>

Personality traits constitute another important moderating variable. Adolescents high in extraversion may utilize social media primarily to enhance existing relationships and expand social networks, experiencing predominantly positive effects.<sup>5</sup> Conversely, those high in neuroticism may use social media in ways that amplify anxiety and negative social comparison.<sup>27</sup> Digital literacy the ability to critically evaluate online information and navigate digital environments safely and effectively moderates impact by enabling more constructive, less risky social media engagement.<sup>18</sup>

Parental involvement represents a crucial protective factor. Active mediation strategies where parents discuss social media use with adolescents, teach critical evaluation skills, and establish reasonable boundaries correlate with more positive outcomes compared to restrictive mediation, which involves strict limitations without dialogue.<sup>17</sup> However, excessive parental surveillance may backfire, undermining adolescent autonomy and driving online activity to less supervised platforms or accounts.

## DISCUSSION

The findings illuminate the profound complexity of social media's role in adolescent interpersonal relationships. Rather than constituting a uniformly positive or negative force, social media functions as what Winner might call a "morally ambiguous technology" its effects contingent upon how it is used, by whom, and under what circumstances.<sup>40</sup> This ambiguity necessitates moving beyond simplistic technology adoption or rejection narratives toward more nuanced understandings that account for context, agency, and mediation.

The coexistence of positive and negative effects reflects fundamental tensions in how social media platforms are designed and used. These platforms offer genuine affordances for connection and support while simultaneously creating new forms of social pressure and comparison. The displacement of face-to-face interaction represents perhaps the most significant concern, as it potentially undermines development of embodied social skills crucial for navigating adult relationships and professional contexts.<sup>32</sup>

The prominence of moderating factors suggests that interventions should focus on enhancing protective factors rather than attempting to eliminate social media use. Digital literacy education, parental engagement programs, and platform design modifications represent more promising approaches than blanket restrictions. Schools might integrate comprehensive digital citizenship curricula that teach adolescents to critically evaluate online content, manage privacy settings, recognize and respond to cyberbullying, and balance online and offline social engagement.<sup>25</sup>

From a policy perspective, these findings support implementing age-appropriate regulations regarding social media access and data protection, similar to legislation like the Children's Online Privacy Protection Act (COPPA) in the United States or the Age Appropriate Design Code in the United Kingdom. However, regulation must balance protection with recognition of adolescents' agency and developmental need for autonomy. Platform companies bear responsibility for designing features that minimize harm such as implementing robust anti-bullying mechanisms, limiting algorithmically-driven comparison, and providing users with greater control over their digital environments.

This analysis acknowledges several limitations. The rapidly evolving nature of social media platforms means research findings quickly become dated. Methodological challenges include reliance on self-reported data, difficulty establishing causality in correlational studies, and variation in how "social media use" is operationalized across studies. Future research should employ longitudinal designs to track developmental trajectories, utilize diverse methods including digital ethnography, and attend to intersectional identities that shape social media experiences.

## CONCLUSION

Social media's impact on adolescent interpersonal relationships defies simple categorization. The technology simultaneously enhances connectivity while potentially undermining communication quality, facilitates identity exploration while fostering performative self-presentation, and provides social support while enabling new forms of bullying and social comparison. This paradoxical nature reflects both the affordances of digital platforms and the complex ways adolescents appropriate these technologies for their relational needs.

The prominence of moderating factors including age, gender, personality, parental involvement, and digital literacy indicates that outcomes depend significantly on how social media is integrated into

adolescent life. This finding has important implications: rather than viewing adolescents as passive recipients of technology's effects, we must recognize their agency in shaping their digital experiences. Effective interventions support adolescents in developing critical digital citizenship skills, foster open family communication about online activity, and promote balanced integration of online and offline social worlds.

As social media continues to evolve with emerging platforms and features, ongoing sociological research remains essential. Future inquiry should examine how new technologies like artificial intelligence-driven content curation and virtual reality social spaces impact adolescent relationships. Additionally, research must attend to issues of digital inequality, recognizing that access to and experiences with social media vary substantially across socioeconomic, racial, and geographic lines.

Ultimately, understanding social media's impact on adolescent interpersonal relationships requires moving beyond technological determinism toward recognition that technologies and social practices mutually shape each other. Social media platforms provide tools, but adolescents, their families, their peers, and their broader social contexts determine how these tools are used and what effects they produce. This perspective offers hope: while we cannot eliminate the challenges social media introduces, we can cultivate contexts and competencies that maximize benefits while minimizing harm.

## REFERENCES

1. Baym, N. K. (2010). *Personal connections in the digital age*. Polity Press.
2. boyd, d. (2014). *It's complicated: The social lives of networked teens*. Yale University Press.
3. Boyd, d. m., & Ellison, N. B. (2007). Social network sites: Definition, history, and scholarship. *Journal of Computer-Mediated Communication*, 13(1), 210–230. <https://doi.org/10.1111/j.1083-6101.2007.00393.x>
4. Chou, H. T. G., & Edge, N. (2012). “They are happier and having better lives than I am”: The impact of using Facebook on perceptions of others’ lives. *Cyberpsychology, Behavior, and Social Networking*, 15(2), 117–121. <https://doi.org/10.1089/cyber.2011.0324>
5. Correa, T., Hinsley, A. W., & de Zúñiga, H. G. (2010). Who interacts on the web?: The intersection of users’ personality and social media use. *Computers in Human Behavior*, 26(2), 247–253. <https://doi.org/10.1016/j.chb.2009.09.003>
6. Craig, S. L., & McInroy, L. (2014). You can form a part of yourself online: The influence of new media on identity development and coming out for LGBTQ youth. *Journal of Gay & Lesbian Mental Health*, 18(1), 95–109. <https://doi.org/10.1080/19359705.2013.777007>
7. Davis, K. (2012). Friendship 2.0: Adolescents’ experiences of belonging and self-disclosure online. *Journal of Adolescence*, 35(6), 1527–1536. <https://doi.org/10.1016/j.adolescence.2012.02.013>
8. Drago, E. (2015). The effect of technology on face-to-face communication. *The Elon Journal of Undergraduate Research in Communications*, 6(1), 13–19.
9. Ellison, N. B., Steinfield, C., & Lampe, C. (2007). The benefits of Facebook “friends”: Social capital and college students’ use of online social network sites. *Journal of Computer-Mediated Communication*, 12(4), 1143–1168. <https://doi.org/10.1111/j.1083-6101.2007.00367.x>
10. Erikson, E. H. (1968). *Identity: Youth and crisis*. W. W. Norton & Company.
11. Fardouly, J., & Vartanian, L. R. (2016). Social media and body image concerns: Current research and future directions. *Current Opinion in Psychology*, 9, 1–5. <https://doi.org/10.1016/j.copsyc.2015.09.005>
12. Hinduja, S., & Patchin, J. W. (2010). Bullying, cyberbullying, and suicide. *Archives of Suicide Research*, 14(3), 206–221. <https://doi.org/10.1080/13811118.2010.494133>
13. Indian, M., & Grieve, R. (2014). When Facebook is easier than face-to-face: Social support derived from Facebook in socially anxious individuals. *Personality and Individual Differences*, 59, 102–106. <https://doi.org/10.1016/j.paid.2013.11.016>
14. Katz, E., Blumler, J. G., & Gurevitch, M. (1973). Uses and gratifications research. *Public Opinion Quarterly*, 37(4), 509–523. <https://doi.org/10.1086/268109>
15. Kowalski, R. M., Giumetti, G. W., Schroeder, A. N., & Lattanner, M. R. (2014). Bullying in the digital age: A critical review and meta-analysis of cyberbullying research among youth. *Psychological Bulletin*, 140(4), 1073–1137. <https://doi.org/10.1037/a0035618>
16. Lenhart, A. (2015). *Teens, social media & technology overview 2015*. Pew Research Center. <https://www.pewresearch.org/internet/2015/04/09/teens-social-media-technology-2015/>
17. Livingstone, S., & Helsper, E. (2008). Parental mediation of children’s internet use. *Journal of Broadcasting & Electronic Media*, 52(4), 581–599. <https://doi.org/10.1080/08838150802437396>

18. Livingstone, S., Mascheroni, G., & Staksrud, E. (2017). European research on children's internet use: Assessing the past and anticipating the future. *New Media & Society*, 20(3), 1103–1122. <https://doi.org/10.1177/1461444816685930>
19. Manago, A. M., Graham, M. B., Greenfield, P. M., & Salimkhan, G. (2008). Self-presentation and gender on MySpace. *Journal of Applied Developmental Psychology*, 29(6), 446–458. <https://doi.org/10.1016/j.appdev.2008.07.001>
20. Marwick, A. E., & boyd, d. (2011). I tweet honestly, I tweet passionately: Twitter users, context collapse, and the imagined audience. *New Media & Society*, 13(1), 114–133. <https://doi.org/10.1177/1461444810365313>
21. Nesi, J., Choukas-Bradley, S., & Prinstein, M. J. (2018). Transformation of adolescent peer relations in the social media context: Part 1—A theoretical framework and application to dyadic peer relationships. *Clinical Child and Family Psychology Review*, 21(3), 267–294. <https://doi.org/10.1007/s10567-018-0261-x>
22. Primack, B. A., Shensa, A., Escobar-Viera, C. G., Barrett, E. L., Sidani, J. E., Colditz, J. B., & James, A. E. (2017). Use of multiple social media platforms and symptoms of depression and anxiety: A nationally representative study among U.S. young adults. *Computers in Human Behavior*, 69, 1–9. <https://doi.org/10.1016/j.chb.2016.11.013>
23. Przybylski, A. K., Murayama, K., DeHaan, C. R., & Gladwell, V. (2013). Motivational, emotional, and behavioral correlates of fear of missing out. *Computers in Human Behavior*, 29(4), 1841–1848. <https://doi.org/10.1016/j.chb.2013.02.014>
24. Putnam, R. D. (2000). *Bowling alone: The collapse and revival of American community*. Simon & Schuster.
25. Ribble, M. (2015). *Digital citizenship in schools: Nine elements all students should know* (3rd ed.). International Society for Technology in Education.
26. Roberts, J. A., & David, M. E. (2016). My life has become a major distraction from my cell phone: Partner phubbing and relationship satisfaction among romantic partners. *Computers in Human Behavior*, 54, 134–141. <https://doi.org/10.1016/j.chb.2015.07.058>
27. Ryan, T., & Xenos, S. (2011). Who uses Facebook? An investigation into the relationship between the Big Five, shyness, narcissism, loneliness, and Facebook usage. *Computers in Human Behavior*, 27(5), 1658–1664. <https://doi.org/10.1016/j.chb.2011.02.004>
28. Steinberg, L. (2020). *Adolescence* (12th ed.). McGraw-Hill Education.
29. Steinfield, C., Ellison, N. B., & Lampe, C. (2008). Social capital, self-esteem, and use of online social network sites: A longitudinal analysis. *Journal of Applied Developmental Psychology*, 29(6), 434–445. <https://doi.org/10.1016/j.appdev.2008.07.002>
30. Subrahmanyam, K., & Smahel, D. (2011). *Digital youth: The role of media in development*. Springer Science & Business Media.
31. Turkle, S. (2011). *Alone together: Why we expect more from technology and less from each other*. Basic Books.
32. Turkle, S. (2015). *Reclaiming conversation: The power of talk in a digital age*. Penguin Press.
33. Twenge, J. M., & Campbell, W. K. (2019). Media use is linked to lower psychological well-being: Evidence from three datasets. *Psychiatric Quarterly*, 90(2), 311–331. <https://doi.org/10.1007/s11126-019-09630-7>
34. Uhls, Y. T., Ellison, N. B., & Subrahmanyam, K. (2017). Benefits and costs of social media in adolescence. *Pediatrics*, 140(Suppl. 2), S67–S70. <https://doi.org/10.1542/peds.2016-1758E>
35. Uhls, Y. T., Michikyan, M., Morris, J., Garcia, D., Small, G. W., Zgourou, E., & Greenfield, P. M. (2014). Five days at outdoor education camp without screens improves preteen skills with nonverbal emotion cues. *Computers in Human Behavior*, 39, 387–392. <https://doi.org/10.1016/j.chb.2014.05.036>
36. Valkenburg, P. M., & Peter, J. (2009). Social consequences of the internet for adolescents: A decade of research. *Current Directions in Psychological Science*, 18(1), 1–5. <https://doi.org/10.1111/j.1467-8721.2009.01595.x>
37. Valkenburg, P. M., & Peter, J. (2011). Online communication among adolescents: An integrated model of its attraction, opportunities, and risks. *Journal of Adolescent Health*, 48(2), 121–127. <https://doi.org/10.1016/j.jadohealth.2010.08.020>
38. Vogel, E. A., Rose, J. P., Roberts, L. R., & Eckles, K. (2014). Social comparison, social media, and self-esteem. *Psychology of Popular Media Culture*, 3(4), 206–222. <https://doi.org/10.1037/ppm0000047>
39. Whiting, A., & Williams, D. (2013). Why people use social media: A uses and gratifications approach. *Qualitative Market Research: An International Journal*, 16(4), 362–369. <https://doi.org/10.1108/QMR-06-2013-0041>
40. Winner, L. (1980). Do artifacts have politics? *Daedalus*, 109(1), 121–136.