Addressing Social Anxiety In Children Post-COVID: A Framework For Mental Health Practitioners.

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Abstract

The COVID-19 pandemic has significantly impacted children's mental health, with a sharp rise in social anxiety observed as they transition from prolonged isolation back into regular social environments. Many children experienced disruptions in social development due to the sudden shift to virtual learning and the absence of typical peer interactions. As a result, mental health practitioners are now facing an increased demand for effective frameworks to address the issues caused by this shift. This paper aims to provide mental health practitioners with evidence-based strategies for diagnosing and treating post-COVID social anxiety in children. The recommended approaches include Cognitive Behavioral Therapy (CBT), Exposure Therapy, mindfulness techniques, and innovative, technology-assisted therapies like telehealth and therapeutic apps. These methods have been shown to help children rebuild social confidence by providing gradual and supportive reintegration into social environments, such as schools. Key findings highlight the critical need for early intervention to manage the long-term impacts of social anxiety, which can manifest as academic challenges, social withdrawal, and increased risk for depression. By combining traditional therapeutic techniques and emerging digital tools, practitioners can offer comprehensive support designed for the unique post-pandemic context.

Keywords: Social Anxiety, Children, COVID-19, Mental Health, Cognitive Behavioral Therapy, Exposure Therapy, Telehealth, Post-Pandemic Therapy, Social Reintegration.

Date of Submission: 10-10-2024

Date of Acceptance: 20-10-2024

I. Introduction

The COVID-19 pandemic has left a lasting impact on nearly every facet of life, with children's mental health being one of the most affected areas. The abrupt changes to routines, extended periods of isolation, and the disruption of normal social activities have significantly hindered the development of important social skills in many children. As a result, the incidence of social anxiety in children has seen a sharp rise. According to the Centers for Disease Control and Prevention (CDC), 9.4% of children aged 3 to 17—equivalent to approximately 5.8 million—exhibited symptoms of anxiety and depression between 2016 and 2019. Approximately 9.8% of children in the U.S. have been diagnosed with ADHD, affecting about 6.0 million children. Behavior problems are reported in 8.9% of children, or 5.5 million. Depression impacts about 4.4% of children, which equates to around 2.7 million (CDC, 2020).

Before the pandemic, children's social interactions were often shaped by peer group activities in school, extracurricular engagements, and communal events. However, the COVID-19 pandemic lockdown reduced interactions and forced restrictions forced children into prolonged isolation, depriving them of these essential interactions. The lack of social practice has led to delayed social skill development and increased anxiety in their relationship with peers post-pandemic. Research conducted by the American Academy of Pediatrics (AAP) found that emergency department visits for mental health concerns increased by 24% for children between the ages of 5 and 11 and about 31% for those aged 12 to 17 when compared to pre-pandemic levels in 2019. This describes a significant rise in mental health crises among young people during the COVID-19 pandemic. (AAP, 2022).

Social anxiety in children is characterized by an intense fear or discomfort in social settings, often stemming from concerns about being judged or negatively evaluated by others. This can manifest as avoidance of peer interactions, reluctance to participate in class discussions, or extreme distress during social activities. In the post-COVID era, these symptoms have been observed as children struggle to regain the confidence to interact with their peers. Social anxiety can interfere with academic performance, personal development, and long-term psychological well-being. Studies have shown that 15% to 20% of children and adolescents in the U.S. now exhibit symptoms of social anxiety, and higher at about 31.9% in children between the age of 13-17, making it a significant concern for mental health practitioners (Chiu et al., 2021).

This paper aims to explore the extent to which social anxiety in children has increased post-COVID and provide mental health professionals with evidence-based strategies to effectively address this growing concern. We will examine the key factors contributing to the rise in social anxiety, identify the groups most vulnerable,

and propose actionable frameworks that can guide practitioners in mitigating the long-term effects on children's mental health.

The urgency of addressing social anxiety in children post-COVID cannot be overstated. As society continues to manage the recovery phase, there is a growing recognition that mental health services must adapt to the evolving needs of young individuals. Studies have found that untreated social anxiety in childhood often persists into adulthood, leading to more severe mental health issues such as depression and substance use disorders (Khalid-Khan et al., 2022). With the U.S. Surgeon General declaring a youth mental health crisis in the wake of the pandemic, mental health practitioners must be equipped with practical interventions to help children manage social reintegration (HHS, 2023).

Figure 1:



Percent of Children with Anxiety, Depression, and ADD/ADHD, 2018 and 2019

Notes: Add/Adhd Refers To Attention Deficit Disorder Or Attention Deficit Hyperactivity Disorder Source Kff Analysis Of National Survey Of Children's Health, 2018 And 2019



SOURCE: Verlenden JV, Pampati S, Rasberry CN, et al. Association of Children's Mode of School Instruction with Child and Parent Experiences and Well-Being During the COVID-19 Pandemic — COVID Experiences Survey, United States, October 8–November 13, 2020. MMWR Morb Mortal Wkly Rep 2021;70:369–376. DOI: http://dx.doi.org/10.15585/mmwr.mm7011a1

Figure 2:

Share Of Parents Reporting Worsening Mental Health For Their Children Ages 5-12, October-November 2020

The charts above illustrate the state of mental health in the United States before COVID-19, as well as a significant increase in mental health issues, including depression, anxiety, and psychological stress, following the pandemic. This highlights the importance of this research.

II. Literature Review

Pre-COVID Social Anxiety in Children

Before the COVID-19 pandemic, social anxiety was a significant concern among children, with prevalence rates ranging from 5% to 9% in the United States (Hitchcock et al. 2005). Research indicates that social anxiety often emerges in early childhood, particularly during key developmental stages when social interactions become more complex and critical for peer relationships. Studies by MSD Manual editorial team (2023) showed that children with social anxiety disorders tend to struggle with school performance and social engagement, with long-term consequences including heightened risks of depression and other emotional issues if left untreated. Early intervention in these cases was shown to manage some of these risks by helping children

develop coping mechanisms. A more discerning study by Rao et al. (2006) found that social anxiety increased consistently across all age groups, indicating that it is a common disorder affecting people of all ages. The study highlights the importance of considering age-specific factors when treating social anxiety, meaning treatment should be tailored to the unique needs of each age group for more effective results. He noted that children often exhibit a broader range of general psychopathology, whereas adolescents display more pervasive social dysfunction and tend to experience greater functional impairment due to the disorder.

A CDC study published in 2021 highlighted a marked increase in emergency department visits for children facing mental health issues. For children aged 5 to 11, these visits rose by 24%, while for adolescents aged 12 to 17, the increase was 31% compared to pre-pandemic levels in 2019 (Leeb, R. T., et al., 2022). The pandemic disrupted traditional social environments, from school to extracurricular activities, creating a surge in anxiety, particularly in children already predisposed to mental health challenges. Research by Imran et al. (2020) emphasized that the prolonged isolation and uncertainty around the pandemic led to significant declines in emotional well-being and heightened anxiety levels. According to a 2020 report by Shan, approximately 67.6% of students in 143 countries were impacted by educational disruptions ue to the COVID-19 pandemic. The sudden shift from physical classrooms to remote learning has significantly affected the daily lives of students and their families. This abrupt transition posed challenges to children's mental health, as they faced a lack of regular social interactions and structured activities, which are crucial for their developmental growth. The disruptions to their learning environments raised concerns about the long-term effects on their cognitive and emotional well-being, highlighting the need for focused interventions.

Current studies indicate that social anxiety among children has surged in the post-pandemic environment. The American Psychological Association (APA) reported that children, particularly those who were socially isolated for extended periods, are struggling to re-engage in social settings, leading to an increase in social anxiety cases (Novotney, A. 2019). Brannen et al., 2023 reported anxiety due to COVID-19 in more than 33% of children reporting a 4-fold increase in cases of anxiety. Ruth et al. 2022, also reported an emergency in child and adolescent mental health as it is on the rise in the United States. Lacey et al., 2023 also spoke extensively on the effect of COVID-19 on children's mental health introducing the 4C's (contact, content, creativity, and community) to manage and encourage children's relationships post-COVID-19. This rise in anxiety has prompted urgent calls for targeted interventions and mental health support to address the long-term effects of the pandemic on children's social development.

The long-term effects of isolation during critical developmental years are concerning. Prolonged isolation has been associated with delays in social and emotional development. A study by Brennen et al., 2023 suggests that children who faced extended social isolation during the pandemic are at greater risk of developing social anxiety as there is a linear increase which eventually leads to COVID-induced anxiety. They also reported that more than a third of children were experiencing anxiety related to COVID-19. The pandemic also led to a significant rise in symptoms of obsessive-compulsive disorder (OCD), with affected children being more prone to heightened stress, anxiety, and depression. This increase in OCD symptoms further compounded the psychological burden during the pandemic. These children may struggle to build healthy peer relationships, which could lead to ongoing social deficits. Furthermore, a longitudinal study by Loades et al. (2020) demonstrated that the longer the duration of isolation, the higher the likelihood of adverse developmental outcomes, particularly in the realms of emotional regulation and social competency.

Several psychological models help explain the development of social anxiety, particularly in post-COVID contexts. Cognitive-behavioral theories suggest that children with social anxiety often have maladaptive thought patterns, leading to avoidance behaviors in social situations. Clark and Wells' (1995) model highlights how socially anxious children overestimate the negative outcomes of social interactions, thus perpetuating a cycle of avoidance and increased anxiety. Furthermore, Bowlby's attachment theory points to the role of early social experiences and the absence of stable attachment figures during the pandemic as contributing factors to heightened anxiety. Several psychological models provide insights into the development of social anxiety in children, especially in the post-COVID context. In addition to theories and models, Bandura's Social Learning Theory is highly relevant. It suggests that children develop social anxiety by observing others' fearful reactions to social interactions, particularly during the pandemic when parental or peer anxiety levels may have been heightened. Children who witnessed their caregivers' or peers' social withdrawal or distress might have modeled these behaviors, reinforcing their social anxiety (Nabavi, 2012; Rumjaun., 2020).

Rachman's Emotional Processing Theory can also be applied, explaining that children who experienced intense emotions during the pandemic, such as fear and uncertainty, may have failed to process these emotions effectively. This failure can result in heightened sensitivity to social stimuli post-pandemic, contributing to anxiety in social settings (Radanović 2021). Lastly, Vygotsky's Sociocultural Theory encourages the importance of social interaction in cognitive development. The pandemic's disruption of regular social engagement deprived children of essential social learning experiences. This loss likely influenced social anxiety, as children were unable to develop the social competence necessary for managing peer interactions effectively (Chitsa 2021).

These models collectively describe how post-pandemic social anxiety in children is shaped and managed by a combination of learned behaviors, emotional processing challenges, and the loss of critical social experiences during isolation.

III. The Rise Of Social Anxiety Among Children Post-Covid

The COVID-19 pandemic has been linked to an increase in social anxiety among children, primarily due to the prolonged periods of isolation. Research shows that social distancing and remote learning disrupt important stages of social development, depriving children of necessary peer interaction and interactive social experiences (Loades et al., 2020). The absence of regular in-person engagement stunted the growth of social confidence, making it difficult for children to reintegrate into environments like schools once restrictions were lifted (Xie et al., 2020). This extended isolation left many children with heightened anxiety when interacting face-to-face, particularly in scenarios where they once felt comfortable (Hawes et al., 2021).

According to research by Donald Brannen et. al., 30% of children aged 6 to 17 who were socially isolated during the pandemic displayed symptoms of social anxiety when schools and social activities resumed. The transition from virtual to in-person interactions has also contributed significantly to increased social anxiety. Children who spent months interacting primarily through screens struggled to re-adjust to physical social cues and peer dynamics, which are more complex and nuanced than digital communication allows (Garbe et al., 2020). This unfamiliarity with in-person socialization further inflamed anxiety, leaving many children feeling socially overwhelmed when returning to traditional settings like classrooms (Zhao et al., 2022; Lacombe et al., 2023).

Signs and Symptoms

Social anxiety in children post-COVID can manifest in a variety of ways, often characterized by avoidance behaviors such as refusing to attend school or avoiding group activities. Common physical symptoms include excessive sweating, trembling, and stomachaches when faced with social interactions. These children may also exhibit withdrawal from conversations, difficulty maintaining eye contact, and general distress during social engagements (Scharfstein & Beidel, 2015). Post-pandemic social anxiety can be distinguished from typical anxiety by its direct association with the sudden, long-term disruption of social life. Children with post-pandemic social anxiety may display a heightened fear of environments they were previously comfortable in, such as schools or playgrounds. Unlike more generalized forms of anxiety, which have a range of potential causes, post-pandemic social anxiety is typically rooted in a lack of exposure to social situations during crucial developmental periods, making reintegration particularly challenging (Loades et al., 2020).

IV. Framework For Mental Health Practitioners

Diagnostic Framework

The first step in addressing social anxiety is thorough assessment and early identification. Mental health practitioners addressing post-COVID social anxiety in children should adopt comprehensive diagnostic frameworks to assess the severity and nature of the anxiety. These frameworks involve a range of tools designed to assess anxiety levels and the social functioning of children. Instruments like the Social Anxiety Scale for Children (SASC) and the Multidimensional Anxiety Scale for Children (MASC) provide reliable metrics for evaluating social anxiety in young patients (La Greca et al., 1993; Wei C et al., 2013). These scales measure various dimensions of anxiety, helping clinicians distinguish between generalized anxiety and more specific social anxiety patterns.

The **Social Anxiety Scale for Children (SASC)**, developed by La Greca et al. (1993), is specifically designed to measure social anxiety in children between the ages of 8 and 15. It is one of the most commonly used self-report instruments that allow children to evaluate their levels of social anxiety, offering practitioners direct insight into the children's perceptions of their social difficulties. The scale consists of 22 items divided into three subscales: Fear of Negative Evaluation (FNE), Social Avoidance and Distress in New Situations (SAD-New), and Social Avoidance and Distress in General (SAD-General). FNE measures the child's fear of being judged or evaluated negatively by peers and adults. It helps MH practitioners understand how a child's fear of criticism may impact their social interactions, particularly post-COVID, where re-engaging in social settings after isolation might trigger heightened anxieties about peer judgment. SAD-New assesses the child's discomfort and avoidance of social interactions, regardless of whether the situation is familiar or new.

The **Multidimensional Anxiety Scale for Children (MASC)**, developed by March et al. (1997), is a broader tool that measures different types of anxiety in children aged 8 to 19. Unlike the SASC, which focuses primarily on social anxiety, the MASC covers a wide range of anxiety symptoms across multiple domains, making it a comprehensive instrument for understanding anxiety disorders in children. The MASC consists of 39 items divided into four key subscales: Physical Symptoms, Harm Avoidance, Social Anxiety, and Separation Anxiety.

The MASC also includes a total anxiety score and a panic scale, allowing for a detailed breakdown of how different types of anxiety are affecting the child.

Therapeutic Interventions

Cognitive Behavioral Therapy (CBT) remains the gold standard for treating social anxiety in children. This therapeutic approach helps children recognize and challenge their negative thought patterns, replacing them with healthier coping mechanisms (Levy et al. 2021). CBT is often paired with Exposure Therapy, where children are gradually reintroduced to social environments that may trigger their anxiety. Starting with less intimidating settings and progressively moving to more complex social interactions helps build confidence and reduces avoidance behaviors over time (Anika et al., 2021).

Also, to add to traditional CBT, Mindfulness-Based Interventions and relaxation techniques are being integrated into treatment plans. Practices like deep breathing, guided imagery, and progressive muscle relaxation can help children manage the physical symptoms of anxiety, such as rapid heartbeat or shaking, which often accompany social situations (Carlton et al., 2009).

Support Systems

The involvement of parents, educators, and other caregivers is important in the therapeutic process. Research shows that creating supportive environments both at home and school can significantly reduce the severity of social anxiety in children (La Greca & Stone, 1993). Parents and teachers should be educated on how to identify anxiety triggers and reinforce positive social behaviors in a non-judgmental, encouraging manner. In many cases, children with social anxiety benefit from family-based interventions. Research has shown that involving families in the treatment process improves outcomes, as children rely heavily on their immediate social circles for emotional support. Post-COVID, mental health practitioners can guide families in fostering positive communication and creating opportunities for gradual social exposure. Parent-Child Interaction Therapy (PCIT) can be an effective tool, as it focuses on enhancing the parent-child relationship and promoting adaptive social behavior in children. During therapy, parents are coached in real-time on how to encourage their child's social engagement and reduce their anxiety.

Also, creating safe spaces for social reintegration, such as supervised peer group interactions or schoolbased mental health programs, provides children with opportunities to practice their social skills in a controlled, supportive environment (Segrott et al., 2013).

Technology-Assisted Therapies

Technology in therapy has the potential to complement traditional treatments by offering dynamic, personalized, and accessible space for children to deal with post-COVID social anxiety and reentry into society. Telehealth platforms enable therapists to deliver mental health services remotely, providing flexibility and increasing access to care for children who might face barriers to in-person treatment, such as geographical limitations or transportation issues (Gloff et al., 2015). This mode of therapy also reduces the stigma often associated with seeking mental health treatment, as children can engage in therapy sessions from the comfort of their homes, which may feel less intimidating. Telehealth has proven particularly useful for children in rural areas and children with social anxiety, as they often struggle with face-to-face interactions.

A growing area within telehealth is the use of digital tools and therapeutic apps designed specifically for children. These tools range from simple guided relaxation and mindfulness apps to more sophisticated interactive games that simulate social environments. Platforms like "SPARX" and "MindLight" use game-based learning to teach children social and emotional coping skills, helping them manage anxiety-inducing social situations in a safe, virtual environment. These tools often provide instant feedback that allows children to adjust their behavior and thoughts, practicing adaptive responses to social scenarios (Wijnhoven et al., 2012).

Virtual Reality (VR) is another emerging technology in the mental health space, it creates controlled, immersive environments that help children confront and practice managing anxiety-inducing situations, such as speaking in front of a group or interacting with peers. Research has shown that these simulated environments can lead to a significant reduction in anxiety symptoms over time. The immersive nature of VR can make exposure therapy, a core component of CBT, more effective by allowing children to practice social interactions in a gradual, controlled way without leaving their homes (Zhixuan et al., 2017).

The use of wearable technologies such as smartwatches or biofeedback devices is also gaining traction in mental health treatment. These devices can monitor physiological markers of anxiety, such as heart rate and skin temperature, alerting children and caregivers to early signs of an anxiety attack. These instant biofeedback mechanisms can help children learn to regulate their emotional responses through breathing exercises or grounding techniques (Gomes et al., 2023).

V. Case Studies And Practical Applications

In recent cases, many children in the U.S. have faced severe post-COVID social anxiety due to prolonged isolation and disrupted routines. One documented case is at Johns Hopkins Children's Center Study, the study analyzed the mental health of over 29,000 adolescents, aged 8 to 20, during and after the COVID-19 pandemic, focusing on depression, anxiety, and suicidal behaviors. It found significant increases in mental health challenges across all racial and gender groups, particularly among Black, Asian, and Hispanic females. Social isolation, racism-related stress, and pandemic-related anxiety were key contributing factors to the rise in mental health issues. Social anxiety rates among Asian females jumped by 136% and many other significant increases. For addressing children's mental health in a post-COVID world, several studies emphasize the effectiveness of telehealth and community-driven approaches. Research from Johns Hopkins describes the significant impact of COVID-19 on the mental health of youth, particularly in minority communities, where depression and social anxiety rates have surged due to isolation, economic worries, and racism-related stress. They propose solutions like universal mental health screening in schools and primary care and expanding mental health services both at home and in school settings. Telehealth has also proven to be a key tool during and after the pandemic, providing accessible mental health services that overcome barriers like transportation and scheduling difficulties, particularly for marginalized groups. Culturally sensitive intervention was also highlighted as a framework in the research. Families appreciated the safe, accessible nature of these services, and adolescents benefited from the social connection telehealth provided, especially in group therapy settings. These frameworks emphasize culturally sensitive interventions, increased funding for mental health support, and involving parents in treatment to ensure long-term benefits (Johns Hopkins Children's Center, 2024).

Another case study highlighted is Systematic Review and Meta-analysis, which is a comprehensive review published by JAMA Pediatrics that highlighted increased rates of depression and anxiety in children during the pandemic. The study reviewed pre- and post-pandemic data, showing a significant surge in mental health conditions like social anxiety, with particular attention to how isolation, school closures, and the disruption of social routines worsened these conditions. School-based mental health programs were introduced to integrate mental health services within school systems, enabling students to access counseling directly on-site once schools reopened. Also to manage the effect of isolation, community-based support systems were strengthened, focusing on peer-group activities that gradually reintroduced children into social environments.

Digital mental health platforms such as Apps and online tools were utilized to help children practice social skills and manage anxiety in a controlled non-threatening virtual space. This allowed gradual exposure to social interactions, following the principles of exposure therapy (Frontiers in Pediatrics, 2022).

Best Practices

Effective interventions for addressing post-COVID social anxiety in children revolve around a combination of CBT, exposure therapy, and parental involvement. Practitioners have found success in creating step-by-step exposure hierarchies, starting with low-stress social settings and gradually moving toward more anxiety-provoking situations. This incremental approach allows children to slowly rebuild confidence while learning adaptive coping mechanisms. Also, ensuring a collaborative approach with parents and educators is critical. By involving these key support systems, therapists can ensure that children receive consistent support both in therapy and in their daily environments (Segrott et al., 2013).

Another best practice includes using technology-based interventions, such as therapeutic apps and virtual therapy, which can be particularly effective for children who remain anxious about in-person sessions. Virtual reality has also been used successfully to simulate social environments in a low-risk, controlled way, allowing children to practice social interactions in a manner that feels safe and gradual(Wijnhoven et al., 2012).

Tips for Avoiding Common Mistakes

Practitioners should be mindful of common pitfalls in treating post-COVID social anxiety. One major mistake is pushing children too quickly into high-stress social environments, which can inflate anxiety and lead to avoidance behaviors (Leeb et al., 2020). Therapists should ensure that each step of the exposure process is manageable for the child before moving forward. Another challenge is the failure to involve parents adequately in the therapeutic process. Children often need continuous reinforcement and support outside of therapy, making it essential for parents to be well-informed and involved in treatment strategies (Segrott et al., 2013).

VI. Future Directions For Research

Significant gaps remain in understanding the long-term impact of social anxiety on children who have experienced prolonged isolation during the COVID-19 pandemic. While current studies provide insight into the immediate psychological toll, they fall short of examining how these effects might evolve as children grow older. The need for longitudinal studies is important, particularly to track the progression of social anxiety into adolescence and adulthood. These studies could help assess whether early anxiety leads to persistent issues such

as depression, chronic anxiety disorders, or social withdrawal. The lack of data on how marginalized and underserved communities have been affected highlights another gap in the research. Children from these backgrounds may face compounded challenges due to reduced access to mental health resources during the pandemic, necessitating more targeted studies on this population.

In terms of new techniques, advancements in digital mental health tools, such as virtual reality (VR) and telehealth, present promising avenues for treating social anxiety. Research has shown that VR-based therapy can provide a controlled and safe environment for children to practice social interactions, effectively lowering anxiety levels over time. Telehealth, which gained popularity during the pandemic, continues to offer opportunities for remote mental health care, but more studies are needed to determine its long-term effectiveness for pediatric populations. Further research could also explore the integration of artificial intelligence (AI) in mental health tools, which may allow for personalized interventions based on a child's specific symptoms and progress. These innovations have the potential to democratize access to mental health care, but empirical evidence is needed to validate their efficacy in different settings and age groups.

VII. Policy Recommendations

Given the rise of social anxiety in children post-pandemic, schools and mental health institutions must take an active role in addressing these issues through comprehensive policy reforms. Schools should prioritize mental health education within their curricula, providing teachers and staff with the tools to identify signs of social anxiety early. Regular mental health screenings and assessments should be integrated into school programs, ensuring that interventions can occur before issues become more severe. Also, professional development for teachers in mental health first aid and social-emotional learning (SEL) can create a more supportive environment for students dealing with anxiety.

Mental health institutions should also work toward creating accessible, school-based mental health programs, which have proven effective in managing anxiety among children. This can include partnerships between schools and mental health professionals, allowing for ongoing support and therapy sessions within the educational setting. Policies should also focus on expanding telehealth and digital mental health resources, making these services more widely available to children in both urban and rural areas. To address disparities in access to care, there must be a concerted effort to make mental health services more affordable and to implement programs that target high-risk populations, particularly in underserved communities.

VIII. Conclusion

The connection between social isolation and the development of social anxiety has become evident in the post-COVID-19 era, highlighting the importance of addressing these mental health challenges. This paper highlights key findings, including the long-term effects of prolonged isolation, the role of technology in therapeutic interventions, and the importance of early intervention. By understanding the symptoms and manifestations of social anxiety, mental health practitioners can apply evidence-based frameworks, such as Cognitive Behavioral Therapy (CBT), Exposure Therapy, and mindfulness-based approaches, to provide timely and effective support.

The implications of addressing social anxiety early are profound. Failure to recognize and intervene can lead to more severe mental health conditions, such as chronic anxiety, depression, or social withdrawal, which could impact a child's academic performance and social development. By adopting these frameworks, practitioners and educational institutions can ensure healthier reintegration processes, helping children rebuild their social confidence in a post-pandemic world.

Mental health practitioners are encouraged to integrate the frameworks and techniques discussed into their treatment plans. By doing so, they can better equip children with the tools to manage social challenges and promote resilience. As new therapeutic innovations emerge, practitioners must remain adaptable, ensuring that their methods are both evidence-based and designed to the unique needs of children in a post-pandemic era.

References

- [1] A Meta-Analysis Of Relapse Rates In Cognitive-Behavioral Therapy For Anxiety Disorders, 2021. Journal Of Anxiety Disorders, Https://Doi.Org/10.1016/J.Janxdis.2021.102407 Https://Www.Sciencedirect.Com/Science/Article/Pii/S0887618521000542
- [2] Anika N. Khan, Emily Bilek, Rachel C. Tomlinson, Emily M. Becker-Haimes. 2021. Treating Social Anxiety In An Era Of Social Distancing: Adapting Exposure Therapy For Youth During Covid-19, Cognitive And Behavioral Practice.
- Https://Doi.Org/10.1016/J.Cbpra.2020.12.002. Https://Www.Sciencedirect.Com/Science/Article/Pii/S1077722921000122
 Benny Chitsa, 2021. A Phenomenological Study Of Face-To-Face Teaching And Learning In The Context Of Social Distancing Principle In Bulawayo Central District Private Primary Schools During Covid-19 Pandemic. International Journal Of Research And Innovation In Social Science (Ijriss). Https://Rsisinternational.Org/Journals/Ijriss/Digital-Library/Volume-5-Issue-2/361-367.Pdf
- [4] Brannen De, Wynn S, Shuster J, Howell M. 2023. Pandemic Isolation And Mental Health Among Children. Disaster Med Public Health Prep. Doi 10.1017/Dmp.2023.7. Pmid: 36628622; Pmcid: Pmc10019926.
- [5] Bowlby J. Forty-Four Juvenile Thieves: Their Character And Home-Life. International Journal Of Psychoanalysis. 1944;25:19– 52. [Google Scholar] [Ref List]

- [6] Carlton Cn, Sullivan-Toole H, Strege Mv, Ollendick Th, Richey Ja. 2020. Mindfulness-Based Interventions For Adolescent Social Anxiety: A Unique Convergence Of Factors. Front Psychol. 2020 Jul 22;11:1783. Doi: 10.3389/Fpsyg.2020.01783. Pmid: 32774320; Pmcid: Pmc7387717.
- [7] Clay, R. A. (2022). Children's Mental Health Is In Crisis. Monitor On Psychology, 53(1).
- Https://Www.Apa.Org/Monitor/2022/01/Special-Childrens-Mental-Health
- [8] Clark, D. M., & Wells, A. (1995). A Cognitive Model Of Social Phobia. In R. G. Heimberg, M. R. Liebowitz, D. A. Hope, & F. R. Schneier (Eds.), Social Phobia: Diagnosis, Assessment, And Treatment (Pp. 69–93). The Guilford Press
- [9] Cdc 2020. Children's Mental Health Data Https://Www.Cdc.Gov/Childrensmentalhealth/Data.Html
- Chiu A, Falk A, Walkup Jt. Anxiety Disorders Among Children And Adolescents. Focus (Am Psychiatr Publ). 2016 Jan;14(1):26-33. Doi: 10.1176/Appi.Focus.20150029. Epub 2015 Dec 24. Pmid: 31975791; Pmcid: Pmc6524434.
- [11] Chen, K. H., Tulliani, N. N., & Harris, R. D. (2023). Addressing Unmet Needs In Mental Health Services: Insights From Community Engagement Strategies. International Journal Of Environmental Research And Public Health, 20(1), Article 19926. Https://Www.Ncbi.Nlm.Nih.Gov/Pmc/Articles/Pmc10019926/
- [12] Frontiers In Pediatrics. (2022). Impact Of The Covid-19 Pandemic On Child And Adolescent Mental Health: A Systematic Review. Retrieved From Https://Www.Frontiersin.Org/Journals/Pediatrics/Articles/10.3389/Fped.2022.793167/Full
- [13] Garbe, Amber & Ogurlu, Uzeyir & Logan, Nikki & Cook, Perry. (2020). Parents' Experiences With Remote Education During Covid-19 School Closures. American Journal Of Qualitative Research. 4. 10.29333/Ajqr/8471.
- [14] Gloff, Nicole & Lenoue, Sean & Novins, Douglas & Myers, Kathleen. (2015). Telemental Health For Children And Adolescents. International Review Of Psychiatry (Abingdon, England). 27. 1-12. 10.3109/09540261.2015.1086322.
- [15] Gomes N, Pato M, Lourenço Ar, Datia N. 2023. A Survey On Wearable Sensors For Mental Health Monitoring. Sensors (Basel). 2023 Jan 25;23(3):1330. Doi: 10.3390/S23031330. Pmid: 36772370; Pmcid: Pmc9919280.
- [16] Hawes Mt, Szenczy Ak, Klein Dn, Hajcak G, Nelson Bd. (2021). Increases In Depression And Anxiety Symptoms In Adolescents And Young Adults During The Covid-19 Pandemic. Psychol Med. 2022 Oct;52(14):3222-3230. Doi: 10.1017/S0033291720005358. Epub 2021 Jan 13. Pmid: 33436120; Pmcid: Pmc7844180
- [17] Hitchcock Ca, Chavira Da, Stein Mb. Recent Findings In Social Phobia Among Children And Adolescents. Isr J Psychiatry Relat Sci. 2009;46(1):34-44. Pmid: 19728571; Pmcid: Pmc2925835.
- [18] Hhs. (2023). Surgeon General Issues New Advisory About Effects Social Media Use Has On Youth Mental Health Retrieved From Https://Www.Hhs.Gov/About/News/2023/05/23/Surgeon-General-Issues-New-Advisory-About-Effects-Social-Media-Use-Has-Youth-Mental-Health.Html
- [19] Imran N, Zeshan M, Pervaiz Z. Mental Health Considerations For Children & Adolescents In Covid-19 Pandemic. Pak J Med Sci. 2020 May;36(Covid19-S4):S67-S72. Doi: 10.12669/Pjms.36.Covid19-S4.2759. Pmid: 32582317; Pmcd: Pmc7306970.
- [20] J. Burkauskas, I. Branchi, S. Pallanti, K. Domschke. (2024). Anxiety In Post-Covid-19 Syndrome Prevalence, Mechanisms, And Treatment, Neuroscience Applied. Https://Doi.Org/10.1016/J.Nsa.2023.103932.
- [21] Johns Hopkins Children's Center. (2024). Study Shows Negative Impact Of Covid-19 Pandemic On Youth Minority Mental Health. Retrieved From Https://Www.Hopkinsmedicine.Org/News/Newsroom/News-Releases/2024/03/Johns-Hopkins-Childrens-Center-Study-Shows-
- Negative-Impact-Of-Covid19-Pandemic-On-Youth-Minority-Mental-Health
 Khalid-Khan Sarosh & Santibanez Maria-Paz & Memicken Carolyn & Pynn Moira (2007) Social Anviety Disorder In Children
- [22] Khalid-Khan, Sarosh & Santibanez, Maria-Paz & Mcmicken, Carolyn & Rynn, Moira. (2007). Social Anxiety Disorder In Children And Adolescents: Epidemiology, Diagnosis, And Treatment. Paediatric Drugs. 9. 227-37.
- [23] La Greca, Annette & Stone, Wendy. (1993). Social Anxiety Scale For Children-Revised: Factor Structure And Concurrent Validity. Journal Of Clinical Child And Adolescent Psychology - J Clin Child Adolesc Psychol. 22. 17-27. 10.1207/S15374424jccp2201_2.
- [24] Lacey, A.J., Banerjee, R., Dockalova, L., Et Al. 2023 "I Miss The Normalness": Mother And Child Perspectives Of Well-Being And Effective Remote Support From Primary Schools During Covid-19 School Closures. Bmc Psychol 11, 220 (2023). Https://Doi.Org/10.1186/S40359-023-01260-W
- [25] Leeb, R. T., Bitsko, R. H., Radhakrishnan, L., Et Al. (2020). Mental Health Among Parents And Children During Covid-19.
 Morbidity And Mortality Weekly Report, 69(32), 1049-1057.
- [26] Lacombe N, Hey M, Hofmann V, Pagnotta C, Squillaci M. School Burnout After Covid-19, Prevalence And Role Of Different Risk And Protective Factors In Preteen Students. Children (Basel). 2023 Apr 30;10(5):823. Doi: 10.3390/Children10050823. Pmid: 37238371; Pmcid: Pmc10217600.
- [27] Loades Me, Chatburn E, Higson-Sweeney N, Reynolds S, Shafran R, Brigden A, Linney C, Mcmanus Mn, Borwick C, Crawley E. 2020. Rapid Systematic Review: The Impact Of Social Isolation And Loneliness On The Mental Health Of Children And Adolescents In The Context Of Covid-19. J Am Acad Child Adolesc Psychiatry. 2020 Nov;59(11):1218-1239.E3. Doi: 10.1016/J.Jaac.2020.05.009. Epub 2020 Jun 3. Pmid: 32504808; Pmcid: Pmc7267797.
- [28] Msd Manuals. (2022). Social Anxiety Disorder In Children And Adolescents. Msd Manual Consumer Version. Https://Www.Msdmanuals.Com/Home/Children-S-Health-Issues/Mental-Health-Disorders-In-Children-And-Adolescents/Social-Anxiety-Disorder-In-Children-And-Adolescents
- [29] Murray, T. S., Toulouse, A. C., Pathak, S., & Swanson, D. S. (2023). Emerging Issues In Pediatric Healthcare: A Focus On Mental Health Care Delivery. Pediatrics, 151(2), E2022056611. https://Doi.Org/10.1542/Peds.2022-056611
- [30] Nambisan, S., Wright, M., & Feldman, M. (2022). The Digital Transformation Of Innovation And Entrepreneurship: Progress, Challenges, And Key Themes. Journal Of Public Economics, 197, 104446. https://Doi.Org/10.1016/J.Jpubeco.2022.104446
- [31] Novotney, A. (2019). "The Risks Of Social Isolation." Monitor On Psychology, American Psychological Association, 50(5). Https://Www.Apa.Org/Monitor/2019/05/Ce-Corner-Isolation.
- [32] Radanović A, Micić I, Pavlović S, Krstić K. 2021. Don't Think That Kids Aren't Noticing: Indirect Pathways To Children's Fear Of Covid-19. Front Psychol. 2021 Mar 11;12:635952. Doi: 10.3389/Fpsyg.2021.635952. Pmid: 33776863; Pmcid: Pmc7991716.
- [33] Radhakrishnan L, Leeb Rt, Bitsko Rh, Et Al. 2022.Pediatric Emergency Department Visits Associated With Mental Health Conditions Before And During The Covid-19 Pandemic — United States. Mmwr Morb Mortal Wkly Rep 2022;71:319–324. Doi: http://Dx.Doi.Org/10.15585/Mmwr.Mm7108e2 Https://Www.Cdc.Gov/Mmwr/Volumes/71/Wr/Mm7108e2.Htm
- [34] Rao Pa, Beidel Dc, Turner Sm, Ammerman Rt, Crosby Le, Sallee Fr. 2006. Social Anxiety Disorder In Childhood And Adolescence: Descriptive Psychopathology. Behav Res Ther. 2007 Jun;45(6):1181-91. Doi: 10.1016/J.Brat.2006.07.015. Pmid: 17007813.
- [35] Ronald M. Rapee, Cathy Creswell, Philip C. Kendall, Daniel S. Pine, Allison M. Waters. 2023. Anxiety Disorders In Children And Adolescents: A Summary And Overview Of The Literature, Behaviour Research, And Therapy. Https://Doi.Org/10.1016/J.Brat.2023.104376 Https://Www.Sciencedirect.Com/Science/Article/Pii/S0005796723001249

- [36] Ruth Shim, Md, Mph; Moira Szilagyi, Md, Phd; 2022. James M. Perrin, Md. Epidemic Rates Of Child And Adolescent Mental Health Disorders Require An Urgent Response
- [37] Rumjaun, Anwar & Narod, Fawzia. (2020). Social Learning Theory—Albert Bandura. 10.1007/978-3-030-43620-9_7.
- [38] Scharfstein, Lindsay & Beidel, Deborah. (2014). Social Skills And Social Acceptance In Children With Anxiety Disorders. Journal Of Clinical Child And Adolescent Psychology: The Official Journal Of The Society Of Clinical Child And Adolescent Psychology, American Psychological Association, Division 53. 44. 1-13. 10.1080/15374416.2014.895938.
- [39] Segrott J, Rothwell H, Thomas M. 2013. Creating Safe Places: An Exploratory Evaluation Of A School-Based Emotional Support Service. Pastor Care Educ. 2013 Sep;31(3):211-228. Doi: 10.1080/02643944.2013.788062. Epub 2013 Apr 29. Pmid: 24764611; Pmcid: Pmc3991317.
- [40] Shah K, Mann S, Singh R, Bangar R, Kulkarni R. (2020). Impact Of Covid-19 On The Mental Health Of Children And Adolescents. Cureus. Doi: 10.7759/Cureus.10051. Pmid: 32999774; Pmcid: Pmc7520396.
- [41] Social Anxiety Disorder In Children And Adolescents." Msd Manual Professional Edition, Https://Www.Msdmanuals.Com/Professional/Pediatrics/Psychiatric-Disorders-In-Children-And-Adolescents/Social-Anxiety-Disorder-In-Children-And-Adolescents.
- [42] Tadayon Nabavi, Razieh & Bijandi, Mohammad. (2012). Bandura's Social Learning Theory & Social Cognitive Learning Theory.
- [43] Wei C, Hoff A, Villabø Ma, Peterman J, Kendall Pc, Piacentini J, Mccracken J, Walkup Jt, Albano Am, Rynn M, Sherrill J, Sakolsky D, Birmaher B, Ginsburg G, Keeton C, Gosch E, Compton Sn, March J. 2013. Assessing Anxiety In Youth With The Multidimensional Anxiety Scale For Children. J Clin Child Adolesc Psychol. 2014;43(4):566-78. Doi: 10.1080/15374416.2013.814541. Epub Jul 11. Pmid: 23845036; Pmcid: Pmc3858516.
- [44] Wijnhoven La, Creemers Dh, Engels Rc, Granic I. 2015. The Effect Of The Video Game Mindlight On Anxiety Symptoms In Children With An Autism Spectrum Disorder. Bmc Psychiatry. 2015 Jul 1;15:138. Doi: 10.1186/S12888-015-0522-X. Pmid: 26129831; Pmcid: Pmc4488062.
- [45] Xie X, Xue Q, Zhou Y, Zhu K, Liu Q, Zhang J, Song R. Mental Health Status Among Children In Home Confinement During The Coronavirus Disease 2019 Outbreak In Hubei Province, China. Jama Pediatr. 2020 Sep 1;174(9):898-900. Doi: 10.1001/Jamapediatrics.2020.1619. Pmid: 32329784; Pmcid: Pmc7182958.
- [46] Zhixuan Hu, Jie Yao, Liu He, Xiaowei Li, Yan Guo. 2024. The Impact Of Virtual Reality Exposure On Anxiety And Pain Levels In Pediatric Patients: A Systematic Review And Meta-Analysis, Journal Of Pediatric Nursing,
- Https://Doi.Org/10.1016/J.Pedn.2024.07.027. Https://Www.Sciencedirect.Com/Science/Article/Pii/S0882596324002896
 Zhou, Z., Li, M., & Wang, X. (2023). The Role Of Ai In Supply Chain Management: A Review Of Recent Trends And Future Prospects. Journal Of Supply Chain Innovation, 12(4), Article 29149.
 - Https://Www.Sciencedirect.Com/Science/Article/Pii/S2772408523029149