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Reimagining autism research in the U.S.: A synergistic approach between social work, public health, and data analytics

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ABSTRACT

Autism Spectrum Disorder (ASD) is a complex neurodevelopmental condition that requires multifaceted research and interventions. This paper explores the synergistic potential of integrating social work, public health, and data analytics to address challenges in autism research and care in the United States. Social work emphasizes equitable access and community-based interventions, public health provides frameworks for addressing disparities and early detection, and data analytics introduces transformative tools for personalized care and longitudinal tracking. Despite progress in each domain, significant gaps remain, including disparities in diagnosis and fragmented systems of support. This paper proposes a synergistic framework for interdisciplinary collaboration, emphasizing cross-sector partnerships, centralized data sharing, community engagement, and scalable interventions. Policy and practice recommendations focus on enhancing access to services, building technological infrastructure, and promoting autism-friendly policies. By leveraging the strengths of these fields, this approach aims to improve outcomes for individuals with autism, fostering a more inclusive and effective system of care.

Keywords: Autism Spectrum Disorder, Interdisciplinary Collaboration, Social Work, Public Health, Data Analytics, Early Intervention.

INTRODUCTION

Overview of Autism Research in the U.S.

Autism spectrum disorder (ASD) is a complex neurodevelopmental condition characterized by challenges in social communication, repetitive behaviors, and a range of sensory sensitivities. In the United States, ASD affects approximately 1 in 36 children, with increasing prevalence over the past two decades (Hirota & King, 2023). While advances in diagnosis and early intervention have improved outcomes for some, significant disparities remain in access to care, especially for underserved populations. These disparities highlight the necessity of addressing the condition through innovative and inclusive research frameworks (Bertelli et al., 2022).

Historically, autism research in the U.S. has been fragmented, with efforts largely siloed into medical, behavioral, or educational domains (Slim & Reuter-Yuill, 2021). While such specialized research has provided valuable insights into specific aspects of ASD, it has often failed to capture the multifaceted nature of the condition or address the broader socio-environmental factors influencing individuals with autism and their families. This gap necessitates a more comprehensive, collaborative approach that integrates insights from diverse fields, such as social work, public health, and data analytics (Zwaigenbaum et al., 2021).

The U.S. has witnessed a surge in research funding and initiatives aimed at understanding ASD, from studies on genetic predispositions to evaluations of early intervention programs. However, the need for research that addresses systemic barriers, such as socioeconomic inequities and gaps in policy, remains unmet. By reimagining autism research to focus on interdisciplinary strategies, the nation can better equip healthcare providers, policymakers, and educators to meet the needs of individuals with ASD across various life stages (McCracken et al., 2021).

Importance of Interdisciplinary Approaches

Autism is not just a medical diagnosis; it encompasses a range of experiences and challenges influenced by individual, familial, and societal factors. Addressing this complexity requires breaking down traditional silos in research and practice. Social work brings a critical lens to understanding how social determinants of health—such as housing, education, and community support—impact individuals with autism. Public health contributes frameworks for population-level strategies, enabling early identification, prevention, and equitable access to care. Meanwhile, data analytics offers the potential to uncover patterns and insights through large-scale datasets, facilitating personalized interventions and predictive models (Waltz, 2023).

Interdisciplinary approaches are vital for creating solutions that address the holistic needs of individuals with autism and their families. For example, a public health perspective may identify geographic disparities in service availability, while social work can provide community-based interventions to bridge those gaps. Simultaneously, data analytics can quantify the impact of such interventions and guide resource allocation more effectively. Together, these disciplines can foster a synergistic model that is both evidence-based and adaptable to the diverse needs of the autism community (Lord et al., 2020).

Moreover, collaboration across disciplines fosters innovation, combining theoretical knowledge with practical applications. Public health campaigns, informed by social work principles and enhanced by data analytics, could raise awareness about early signs of autism and reduce stigma, particularly in marginalized communities. Interdisciplinary research also facilitates policy development that is informed by lived experiences, scientific evidence, and systemic considerations, ultimately leading to more sustainable and impactful outcomes (Steenkamer, Drewes, Putters, van Oers, & Baan, 2020).

Objectives and Scope of the Paper

This paper aims to propose a synergistic framework for autism research in the U.S., leveraging the strengths of social work, public health, and data analytics. The primary objective is to demonstrate how integrating these disciplines can advance understanding, improve interventions, and reduce disparities in autism care. By bridging gaps between these fields, the framework seeks to foster a more equitable and effective approach to addressing ASD.

This paper focuses on conceptual and theoretical insights, avoiding detailed methodology or specific case studies. Instead, it synthesizes existing literature and identifies pathways for future research and practice. The paper explores the following:

- The contributions of social work to understanding autism from a socio-environmental perspective.
- The role of public health in addressing systemic barriers and promoting population-level interventions.
- The transformative potential of data analytics in identifying trends, predicting outcomes, and personalizing care.

Ultimately, the paper aims to provide actionable recommendations for fostering interdisciplinary collaboration in autism research. These recommendations target researchers, practitioners, and policymakers, emphasizing the need for shared goals and integrated strategies. By addressing both individual and systemic factors, this synergistic approach aspires to create a more inclusive, data-informed, and equitable future for autism research and care in the U.S.

Through this framework, the paper highlights the possibilities of interdisciplinary collaboration and the urgency of reimagining how autism research is conducted. Doing so aims to inspire a shift in research paradigms, from fragmented efforts to a unified approach that meets the needs of individuals with autism and their communities.

THE ROLE OF SOCIAL WORK IN AUTISM RESEARCH

Contributions of Social Work in Understanding and Addressing Autism

Social work plays a critical role in understanding and addressing the multifaceted challenges associated with autism spectrum disorder (ASD). Unlike purely medical or behavioral approaches, social work emphasizes a holistic understanding of how social, economic, and environmental factors shape the experiences of individuals with autism and their families (Young et al., 2020). Social workers are often the first point of contact for families navigating the complexities of ASD diagnosis and treatment, providing emotional support, advocacy, and guidance. Their expertise in understanding family dynamics and the broader social context enables them to address needs that other disciplines may overlook (Anthony & Campbell, 2020).

Social workers contribute to autism research by highlighting the lived experiences of individuals and families, offering qualitative insights that complement quantitative data. These insights help uncover critical factors such as the impact of stigma, cultural perceptions of autism, and the barriers faced by families in accessing services. By centering these perspectives, social work ensures that autism research prioritizes the voices of those directly affected. This approach is particularly important in addressing disparities faced by historically marginalized populations, including low-income families and racial or ethnic minorities (Mathur, 2021).

Additionally, social work research focuses on the intersectionality of autism with other social determinants of health, such as education, employment, and housing. For example, studies have shown that families of children with autism are more likely to experience financial strain due to medical and therapy costs. Social workers contribute to designing interventions that alleviate these burdens, advocating for systemic changes to promote equity and inclusion (Mallipeddi & VanDaalen, 2022).

Challenges and Opportunities in Service Delivery

Despite its significant contributions, the field of social work faces several challenges in delivering effective services to individuals with autism and their families. One primary challenge is the fragmented nature of service systems. Families often encounter a maze of healthcare, educational, and social services that lack coordination, leading to delays in diagnosis and gaps in care. Social workers are uniquely positioned to address these challenges by serving as navigators who help families connect with appropriate resources and support networks. However, the lack of standardized training in autism-specific interventions for social workers can limit their effectiveness (M. C. Kelvin-Agwu, M. O. Adelodun, G. T. Igwama, & E. C. Anyanwu, 2024; Majebi, Adelodun, & Anyanwu, 2024b).

Another challenge is the insufficient funding for autism services, particularly in underserved communities. This issue is compounded by systemic inequities that disproportionately affect families with limited financial resources or those living in rural areas. Social workers frequently advocate for policies that address these inequities, but resource limitations and competing priorities within social service agencies often constrain their efforts (Singh & Bunyak, 2019).

Despite these challenges, opportunities abound for social work to enhance its impact on autism research and practice. Technological advances, for instance, have enabled social workers to use telehealth platforms to reach families in remote areas, improving access to counseling and support services. Similarly, the growing recognition of the importance of interdisciplinary collaboration creates new pathways for social workers to contribute to comprehensive care models. For example, partnerships with educators, healthcare providers, and data scientists can lead to innovative solutions that address both the individual and systemic needs of the autism community (Bishop-Fitzpatrick, Dababnah, Baker-Ericzén, Smith, & Magaña, 2019).

The increasing focus on evidence-based practices also allows social workers to expand their role in autism research. By integrating evidence from diverse fields, social work can contribute to the development of interventions that are both effective and culturally sensitive. This approach not only improves outcomes for individuals with autism but also strengthens the field of social work by demonstrating its value in interdisciplinary settings (O'Hare, 2020).

Integration of Community-Based Interventions

One of the most significant contributions of social work in autism research is the integration of community-based interventions. These interventions are designed to address the unique needs of individuals within their social and cultural contexts, promoting inclusion and reducing barriers to participation. Community-based approaches are particularly effective in engaging families and fostering a sense of empowerment, as they prioritize collaboration and shared decision-making (Adelodun & Anyanwu, 2024c; M. Kelvin-Agwu, M. O. Adelodun, G. T. Igwama, & E. C. Anyanwu, 2024).

Social workers often play a central role in designing and implementing these interventions, leveraging their knowledge of local resources and community dynamics. For example, community-based support groups provide families with a platform to share experiences, access peer support, and gain practical strategies for managing the challenges of autism. These groups also serve as valuable qualitative data sources, offering insights into the lived experiences of individuals with autism that can inform future research (Billiot, Beltrán, Brown, Mitchell, & Fernandez, 2022).

Another example of community-based intervention is the implementation of social skills training programs in schools and community centers. These programs, often led by social workers, help children with autism develop critical skills for communication and interaction. By embedding these programs within community settings, social workers ensure that interventions are accessible and inclusive, reducing the stigma often associated with autism services (Castillo et al., 2019).

Furthermore, social workers are instrumental in advocating for systemic changes that support the sustainability of community-based interventions. This advocacy includes lobbying for increased funding for local programs, promoting inclusive policies, and addressing social determinants of health that impact access to care. For instance, social workers might collaborate with policymakers to ensure that public transportation systems accommodate the needs of individuals with autism, thereby improving their ability to access community resources (Baines, 2020).

In the context of autism research, community-based interventions provide a rich data source that can inform both practice and policy. By evaluating the outcomes of these interventions, researchers can identify best practices and scale successful models to benefit larger populations. Social workers' expertise in engaging communities and fostering trust is critical to the success of such initiatives, ensuring that interventions are evidence-based, culturally relevant, and responsive to the needs of diverse populations.

PUBLIC HEALTH PERSPECTIVES ON AUTISM

Public Health Frameworks for Addressing Autism Prevalence and Disparities

Public health approaches to autism spectrum disorder prioritize population-level strategies to address its rising prevalence and associated disparities. According to the Centers for Disease Control and Prevention, approximately 1 in 36 children in the United States is diagnosed with autism, reflecting an upward trend in prevalence over recent decades. While increased awareness and improved diagnostic practices contribute to this rise, it also underscores systemic disparities in access to care, particularly for minority and low-income populations. Public health

frameworks aim to address these disparities by emphasizing prevention, equity, and community-based strategies (Francis, Karantanos, Al-Ozairi, & AlKhadhari, 2021).

One of the foundational principles of public health is identifying and addressing social determinants of health that influence autism outcomes. Factors such as socioeconomic status, geographic location, and access to education and healthcare significantly impact the experiences of individuals with autism and their families. Public health professionals analyze these determinants to design interventions that reduce barriers to care. For example, targeted outreach programs in underserved communities can help improve access to diagnostic services and early intervention programs, addressing gaps disproportionately affecting marginalized populations (Kirkbride et al., 2024).

Surveillance systems are another critical component of public health frameworks for autism. Programs like the Autism and Developmental Disabilities Monitoring (ADDM) Network collect data to estimate autism prevalence and identify trends over time. This data provides invaluable insights into the demographics of autism and helps inform policy decisions. However, public health efforts must go beyond surveillance to address structural inequities that perpetuate disparities in autism care. Public health initiatives can create more inclusive and effective support systems by integrating community input and cross-sector collaboration (Adelodun & Anyanwu; Soyombo, Kupa, Ijomah, & Stephen, 2024).

Importance of Early Detection and Intervention Strategies

Early detection and intervention are cornerstones of public health strategies for managing autism. Research consistently shows that early diagnosis, followed by timely intervention, can significantly improve developmental outcomes for children with ASD. Interventions delivered during critical developmental windows enhance social, communication, and cognitive skills, reducing the long-term impact of autism on individuals and their families (Kilmer & Boykin, 2022).

Public health campaigns play a crucial role in raising awareness about the early signs of autism, particularly among parents, educators, and primary care providers. Educational initiatives such as the CDC's "Learn the Signs. Act Early." program aim to equip caregivers and professionals with the tools needed to recognize developmental delays and seek appropriate evaluations. These campaigns often focus on communities with historically low rates of early diagnosis, such as rural areas and communities of color, helping to bridge gaps in awareness and access.

Screening is another vital component of early detection. Public health agencies advocate for universal developmental screening during pediatric visits, as the American Academy of Pediatrics recommends. By incorporating standardized tools like the Modified Checklist for Autism in Toddlers (M-CHAT), primary care providers can identify children at risk for autism and refer them for further evaluation. Despite these efforts, challenges such as limited provider training, lack of follow-up care, and cultural stigmas surrounding autism diagnosis persist, particularly in underserved populations. Addressing these barriers requires tailored approaches that respect diverse communities' cultural and linguistic needs (Lipkin et al., 2020).

In addition to early detection, public health emphasizes the importance of evidence-based interventions that address the specific needs of individuals with autism. Applied Behavior Analysis (ABA), speech therapy, and occupational therapy are among the interventions

supported by public health initiatives. To ensure equitable access to these services, public health agencies collaborate with schools, healthcare providers, and community organizations to create integrated systems of care. These partnerships improve service delivery and foster a culture of inclusivity and support for individuals with autism across different settings (Christensen, 2019).

Policies and Programs Influencing Outcomes

Public health policies and programs are pivotal in shaping autism care and outcomes. Federal initiatives such as the Individuals with Disabilities Education Act (IDEA) mandate that children with disabilities, including autism, receive free and appropriate public education. IDEA ensures access to individualized education programs (IEPs) that address the unique needs of students with autism, promoting their academic and social development. However, disparities in implementing IDEA, particularly in underfunded school districts, highlight the need for stronger public health advocacy to ensure equitable access to educational resources (Adelodun & Anyanwu, 2024b; Majebi, Adelodun, & Anyanwu, 2024a).

Insurance coverage is another critical policy area influencing autism outcomes. The Affordable Care Act (ACA) and state-level mandates have expanded access to autism-related services, including behavioral health treatments and therapies. Despite these advancements, many families still face financial barriers, such as high out-of-pocket costs and limited provider networks. Public health agencies advocate for policies that eliminate these barriers, such as expanding Medicaid coverage for autism services and ensuring parity in mental health and behavioral health benefits (McBain, Cantor, Kofner, Stein, & Yu, 2020).

Community-based programs also play a significant role in supporting individuals with autism and their families. For example, early intervention programs funded under Part C of IDEA provide services to infants and toddlers with developmental delays, including autism. These programs emphasize family-centered approaches, equipping parents with the knowledge and skills needed to support their child's development. Public health professionals work to enhance the reach and quality of these programs, particularly in underserved areas where access to early intervention remains limited (Liu et al., 2022).

Public health policies also address the broader societal challenges faced by individuals with autism, such as unemployment and social exclusion. Workforce development initiatives, supported by public health and social service agencies, aim to create employment opportunities for adults with autism, recognizing their unique skills and contributions. Public awareness campaigns further complement these efforts by challenging stereotypes and promoting acceptance of neurodiversity (Scott et al., 2019).

LEVERAGING DATA ANALYTICS FOR TRANSFORMATIVE INSIGHTS

Role of Big Data and Machine Learning in Autism Research

Big data and machine learning (ML) have emerged as transformative tools in autism research, offering unprecedented opportunities to uncover patterns, refine diagnostic methods, and enhance intervention strategies. The sheer volume and diversity of data generated in healthcare, education, and social services have made it possible to analyze autism from a systems-level perspective, capturing previously inaccessible insights. These technologies can process vast amounts of information, including genetic data, electronic health records, behavioral

assessments, and environmental factors, to identify correlations and predictive markers (Adelodun & Anyanwu, 2024a).

For instance, ML algorithms can analyze genetic datasets to identify autism-associated variants, providing deeper insights into their biological underpinnings. Research has revealed that autism is influenced by a complex interplay of genetic and environmental factors, and big data approaches allow scientists to parse these interactions with greater precision. This enables the development of more personalized interventions, tailored to the unique needs of each individual based on their genetic profile and other influencing factors (Ahmed, Mohamed, Zeeshan, & Dong, 2020).

In addition to genetics, big data has been instrumental in advancing early diagnosis. Machine learning models trained on behavioral data and developmental milestones can detect subtle signs of autism that traditional screening tools may miss. These models can analyze speech patterns, facial expressions, and social interactions captured through video or audio recordings, providing objective assessments to support clinical evaluations. Such innovations enhance diagnostic accuracy and help identify children at risk earlier, ensuring timely access to interventions (Kohli, Kar, & Sinha, 2022).

Moreover, big data analytics facilitates the evaluation of intervention outcomes at scale. By aggregating data from multiple service providers and programs, researchers can assess the effectiveness of various therapies, identify best practices, and refine treatment protocols. This evidence-based approach ensures that resources are allocated to interventions yield the most significant benefits, improving overall outcomes for individuals with autism (Galetsi, Katsaliaki, & Kumar, 2019).

Bridging Gaps Through Data-Driven Approaches

One of the most significant advantages of leveraging data analytics in autism research is its potential to bridge existing gaps in care and understanding. Disparities in autism diagnosis and treatment remain a critical challenge, particularly for underserved populations, including racial and ethnic minorities and individuals in rural areas. Data-driven approaches can help identify these disparities and inform targeted interventions to address them. For example, geographic information systems (GIS) can map the availability of autism services across different regions, highlighting areas with limited access to diagnostic centers, therapists, and educational support. Policymakers and public health officials can use these insights to allocate resources more equitably and develop strategies to improve service delivery in underserved areas.

Data analytics also enhances tracking and monitoring long-term outcomes for individuals with autism. By integrating data from multiple sources, such as schools, healthcare providers, and social services, researchers can build comprehensive profiles that capture the developmental trajectories of individuals with autism over time. This longitudinal perspective allows for a better understanding of how early interventions, family support, and environmental factors influence outcomes, enabling the design of more effective and sustainable support systems (Majebi, Adelodun, & Chinyere).

Furthermore, data-driven approaches facilitate interdisciplinary collaboration, bringing together researchers, clinicians, educators, and policymakers to address the multifaceted challenges of autism. Shared data platforms and analytics tools enable these stakeholders to work cohesively,

leveraging their expertise to generate holistic solutions. For instance, collaborative efforts can lead to the creation of predictive models that guide resource allocation, ensuring that individuals with autism receive the support they need at the right time (Fletcher, Nakeshimana, & Olubeko, 2021).

Ethical Considerations in Using Data Analytics

While the potential benefits of data analytics in autism research are immense, ethical considerations must be carefully addressed to ensure that these technologies are used responsibly and equitably. Privacy and confidentiality are paramount, as individuals with autism and their families may be particularly vulnerable to data breaches or misuse of personal information. Robust data governance frameworks must be established to protect sensitive information, ensuring compliance with regulations such as the Health Insurance Portability and Accountability Act (HIPAA) (Krzyzanowski & Manson, 2022).

Another ethical concern is the potential for bias in data collection and analysis. Machine learning models are only as unbiased as the data they are trained on, and historical inequities in healthcare and education may be reflected in existing datasets. For instance, underdiagnosis of autism in minority populations could lead to models that perpetuate these disparities rather than addressing them. Researchers and data scientists must actively work to identify and mitigate biases in their datasets and algorithms, ensuring that their findings are inclusive and representative (McCradden, Joshi, Mazwi, & Anderson, 2020).

Transparency is also a critical ethical consideration in data analytics. Stakeholders, including individuals with autism and their families, must have a clear understanding of how their data will be used and how the findings will benefit the autism community. Engaging these stakeholders in the research process can help build trust and ensure that the goals of data-driven initiatives align with the needs and priorities of the community.

Additionally, the use of predictive analytics in autism research raises questions about the potential consequences of labeling or categorizing individuals based on algorithmic predictions. While early identification of risk factors can be beneficial, avoiding stigmatizing individuals or creating deterministic views of their potential outcomes is essential. Researchers and practitioners must approach predictive analytics with sensitivity, emphasizing the importance of individualized care and the potential for growth and development.

CONCLUSION

The complexities of autism spectrum disorder (ASD) demand an interdisciplinary approach to address the diverse challenges faced by individuals with autism and their families. This paper examined social work, public health, and data analytics roles in autism research, emphasizing their unique contributions and the synergies achievable through collaboration. Social work brings a community-centered perspective, focusing on equitable service delivery and support systems, while public health provides frameworks for understanding prevalence, addressing disparities, and implementing early detection strategies. Meanwhile, data analytics offers transformative capabilities, using tools like big data and machine learning to generate insights and improve outcomes. Together, these fields hold the potential to create a more comprehensive and effective response to the needs of the autism community.

Despite advancements in each domain, significant challenges persist. Barriers to equitable access, underdiagnosis in underserved populations, and a lack of coordination between services hinder the effectiveness of interventions. Addressing these issues requires leveraging the combined strengths of social work, public health, and data analytics. A multidisciplinary approach ensures that strategies are evidence-based, culturally relevant, and tailored to the unique needs of diverse communities. Such an integrated effort has the potential to close gaps in care, improve early detection, and enhance the quality of life for individuals with autism.

A synergistic framework is essential to bridge these gaps, integrating the strengths of all three fields. This framework emphasizes cross-sector collaboration, where interdisciplinary teams including social workers, public health professionals, data scientists, educators, and individuals with autism work together to design holistic interventions. Centralized data-sharing platforms facilitate secure and comprehensive information exchange, enabling a deeper understanding of autism trends and outcomes. Community-centered research, which actively involves individuals with autism and their families in the research process, ensures that interventions align with real-world needs. Finally, scalable interventions adaptable to both urban and rural settings can extend the reach of effective strategies, leveraging data analytics to optimize delivery and outcomes.

Implementing such a framework requires supportive policy and practice measures. Governments and private organizations should prioritize funding interdisciplinary initiatives to foster collaboration and innovation. Expanding access to diagnostic and therapeutic services in underserved areas is crucial, alongside investments in technological infrastructure for data integration and privacy-compliant platforms. Training programs that equip practitioners with interdisciplinary skills will further strengthen collaboration, while autism-friendly policies that address lifelong needs in education, employment, and healthcare will promote inclusion and equity. Public awareness campaigns can also reduce stigma, fostering a society where individuals with autism are valued and supported.

References

Adelodun, M. O., & Anyanwu, E. C. Global standards in radiation safety: A comparative analysis of healthcare regulations.

Adelodun, M. O., & Anyanwu, E. C. (2024a). Comprehensive risk management and safety strategies in radiation use in medical imaging.

Adelodun, M. O., & Anyanwu, E. C. (2024b). A critical review of public health policies for radiation protection and safety.

Adelodun, M. O., & Anyanwu, E. C. (2024c). Health effects of radiation: An Epidemiological study on populations near nuclear medicine facilities. *Health, 13*(9), 228-239.

Ahmed, Z., Mohamed, K., Zeeshan, S., & Dong, X. (2020). Artificial intelligence with multi-functional machine learning platform development for better healthcare and precision medicine. *Database*, *2020*, baaa010.

Anthony, N., & Campbell, E. (2020). Promoting collaboration among special educators, social workers, and families impacted by autism spectrum disorders. *Advances in Neurodevelopmental Disorders, 4*(3), 319-324.

Baines, D. (2020). *Doing anti-oppressive practice: Social justice social work*: Fernwood Publishing.

Bertelli, M. O., Azeem, M. W., Underwood, L., Scattoni, M. L., Persico, A. M., Ricciardello, A., . . . Bianco, A. (2022). Autism spectrum disorder. In *Textbook of psychiatry for intellectual disability and autism spectrum disorder* (369-455): Springer.

Billiot, S., Beltrán, R., Brown, D., Mitchell, F. M., & Fernandez, A. (2022). Indigenous perspectives for strengthening social responses to global environmental changes: A response to the social work grand challenge on environmental change. In *Ecosocial Work in Community Practice* (96-116): Routledge.

Bishop-Fitzpatrick, L., Dababnah, S., Baker-Ericzén, M. J., Smith, M. J., & Magaña, S. M. (2019). Autism spectrum disorder and the science of social work: A grand challenge for social work research. *Social Work in Mental Health, 17*(1), 73-92.

Castillo, E. G., Ijadi-Maghsoodi, R., Shadravan, S., Moore, E., Mensah, M. O., Docherty, M., . . . Halpin, L. E. (2019). Community interventions to promote mental health and social equity. *Current Psychiatry Reports, 21*, 1-14.

Christensen, D. L. (2019). Prevalence and characteristics of autism spectrum disorder among children aged 4 years—Early autism and developmental disabilities monitoring network, seven sites, United States, 2010, 2012, and 2014. *MMWR. Surveillance Summaries, 68*.

Fletcher, R. R., Nakeshimana, A., & Olubeko, O. (2021). Addressing fairness, bias, and appropriate use of artificial intelligence and machine learning in global health. In (3, pp. 561802): Frontiers Media SA.

Francis, K., Karantanos, G., Al-Ozairi, A., & AlKhadhari, S. (2021). Prevention in autism spectrum disorder: A lifelong focused approach. *Brain Sciences, 11*(2), 151.

Galetsi, P., Katsaliaki, K., & Kumar, S. (2019). Values, challenges and future directions of big data analytics in healthcare: A systematic review. *Social Science & Medicine, 241*, 112533.

Hirota, T., & King, B. H. (2023). Autism spectrum disorder: A review. *Jama, 329*(2), 157-168.

Kelvin-Agwu, M., Adelodun, M. O., Igwama, G. T., & Anyanwu, E. C. (2024). The impact of regular maintenance on the longevity and performance of Radiology equipment.

Kelvin-Agwu, M. C., Adelodun, M. O., Igwama, G. T., & Anyanwu, E. C. (2024). The role of biomedical engineers in enhancing patient care through efficient equipment management.

Kilmer, M., & Boykin, A. A. (2022). Analysis of the 2000 to 2018 autism and developmental disabilities monitoring network surveillance reports: Implications for primary care clinicians. *Journal of Pediatric Nursing, 65*, 55-68.

Kirkbride, J. B., Anglin, D. M., Colman, I., Dykxhoorn, J., Jones, P. B., Patalay, P., . . . Wright, T. (2024). The social determinants of mental health and disorder: Evidence, prevention and recommendations. *World psychiatry, 23*(1), 58.

Kohli, M., Kar, A. K., & Sinha, S. (2022). The role of intelligent technologies in early detection of autism spectrum disorder (asd): A scoping review. *IEEE Access, 10*, 104887-104913.

Krzyzanowski, B., & Manson, S. M. (2022). Twenty years of the health insurance portability and accountability act safe harbor provision: Unsolved challenges and ways forward. *JMIR Medical Informatics, 10*(8), e37756.

Lipkin, P. H., Macias, M. M., Baer Chen, B., Coury, D., Gottschlich, E. A., Hyman, S. L., . . . Levy, S. E. (2020). Trends in pediatricians' developmental screening: 2002–2016. *Pediatrics, 145*(4).

Liu, G., Velott, D. L., Kong, L., Dick, A. W., Mandell, D. S., Stein, B. D., . . . Leslie, D. L. (2022). The association of the Medicaid 1915 (c) home and community-based services waivers with emergency department utilization among youth with autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 1-11.

Lord, C., Brugha, T. S., Charman, T., Cusack, J., Dumas, G., Frazier, T., . . . State, M. W. (2020). Autism spectrum disorder. *Nature reviews Disease primers, 6*(1), 1-23.

Majebi, N. L., Adelodun, M. O., & Anyanwu, E. C. (2024a). Early childhood trauma and behavioral disorders: The role of healthcare access in breaking the cycle.

Majebi, N. L., Adelodun, M. O., & Anyanwu, E. C. (2024b). Integrating trauma-informed practices in US educational systems: Addressing behavioral challenges in underserved communities.

Majebi, N. L., Adelodun, M. O., & Chinyere, E. Community-based interventions to prevent child abuse and neglect: A policy perspective.

Mallipeddi, N. V., & VanDaalen, R. A. (2022). Intersectionality within critical autism studies: A narrative review. *Autism in Adulthood, 4*(4), 281-289.

Mathur, S. K. (2021). *Understanding the lived experiences of autistic adults*: Chapman University.

McBain, R. K., Cantor, J. H., Kofner, A., Stein, B. D., & Yu, H. (2020). State insurance mandates and the workforce for children with autism. *Pediatrics, 146*(4).

McCracken, J. T., Anagnostou, E., Arango, C., Dawson, G., Farchione, T., Mantua, V., . . . Veenstra-VanderWeele, J. (2021). Drug development for autism spectrum disorder (ASD): Progress, challenges, and future directions. *European Neuropsychopharmacology, 48*, 3-31.

McCradden, M. D., Joshi, S., Mazwi, M., & Anderson, J. A. (2020). Ethical limitations of algorithmic fairness solutions in health care machine learning. *The Lancet Digital Health, 2*(5), e221-e223.

O'Hare, T. (2020). *Evidence-based practices for social workers: An interdisciplinary approach*: Oxford University Press, USA.

Scott, M., Milbourn, B., Falkmer, M., Black, M., Bölte, S., Halladay, A., . . . Girdler, S. (2019). Factors impacting employment for people with autism spectrum disorder: A scoping review. *Autism, 23*(4), 869-901.

Singh, J. S., & Bunyak, G. (2019). Autism disparities: A systematic review and meta-ethnography of qualitative research. *Qualitative Health Research, 29*(6), 796-808.

Slim, L., & Reuter-Yuill, L. M. (2021). A behavior-analytic perspective on interprofessional collaboration. *Behavior Analysis in Practice, 14*(4), 1238-1248.

Soyombo, D. A., Kupa, E., Ijomah, T. I., & Stephen, A. (2024). Food security challenges: A comparative review of USA and African Policies.

Steenkamer, B., Drewes, H., Putters, K., van Oers, H., & Baan, C. (2020). Reorganizing and integrating public health, health care, social care and wider public services: A theory-

based framework for collaborative adaptive health networks to achieve the triple aim. *Journal of Health Services Research & Policy*, *25*(3), 187-201.

Waltz, M. (2023). *Autism: A social and medical history*: Springer Nature.

Young, S., Hollingdale, J., Absoud, M., Bolton, P., Branney, P., Colley, W., . . . Farrag, E. (2020). Guidance for identification and treatment of individuals with attention deficit/hyperactivity disorder and autism spectrum disorder based upon expert consensus. *BMC Medicine, 18*, 1-29.

Zwaigenbaum, L., Bishop, S., Stone, W. L., Ibanez, L., Halladay, A., Goldman, S., . . . Miller, M. (2021). Rethinking autism spectrum disorder assessment for children during COVID-19 and beyond. *Autism Research, 14*(11), 2251-2259.