

Article

The Cultural Reconstruction of Traditional "Filial Piety" in the Context of Smart Elderly Care

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Abstract: This study aims to systematically explore the reconstruction and transformation of traditional "filial piety" culture within the rapidly evolving context of smart elderly care. With unprecedented technological advancements and profound changes in global demographic and social structures, traditional filial piety culture faces significant new challenges, alongside unique opportunities for modernization. The research first comprehensively reviews the historical evolution of filial piety culture—tracing its trajectory from ancient times through modern periods to its current state under contemporary smart elderly care trends—carefully analyzing critical shifts in its core connotations and practical extensions. Subsequently, it provides an in-depth overview of smart elderly care, covering technology-driven transformations in caregiving approaches, the distinct advantages and inherent limitations of intelligent elderly care services, and their future development prospects in an aging society. Building upon this robust theoretical foundation, the study focuses on the fundamental redefinition of filial piety culture within smart elderly care frameworks. This includes the crucial paradigm shift from mere material support to profound emotional care, the integration of innovative communication methods utilizing digital technology among family members, and the establishment of new, adaptive behavioral norms for fulfilling filial duties. Additionally, the paper offers profound philosophical reflections on the ongoing transformation of filial piety culture. It critically examines its complex relationships from both individualist and collectivist perspectives, evaluates the intrinsic connection between quality of life and fundamental human dignity, and delineates the evolving boundaries between ethical moral responsibilities and formal legal obligations.

Keywords: smart elderly care; filial piety; cultural reconstruction; ethics; aging society

1. Introduction

In the era of smart elderly care, traditional filial piety culture is encountering both significant challenges and transformative opportunities. The rapid development of technology, particularly the proliferation of information technology and intelligent devices, has led to profound changes in people's lifestyles and social structures. These shifts have not only altered the daily lives of the elderly but have also redefined the ways in which traditional ethical concepts, such as "filial piety," are understood and practiced. Filial piety, deeply rooted in Chinese culture, has historically emphasized the moral duty of children to care for their parents, encompassing both material and emotional support [1, 2]. However, the integration of advanced technologies into elderly care systems has introduced new dynamics that necessitate a reevaluation of these traditional values. For example, intelligent devices now enable real-time health monitoring and personalized care services for seniors, reducing the physical caregiving responsibilities traditionally borne by children. This technological intervention challenges the conventional notion of "nurturing parents" and invites a broader discussion on how filial piety can adapt to modern societal contexts.

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From a philosophical standpoint, filial piety represents a multifaceted virtue that integrates concern for life, moral obligations, and family harmony. These dimensions have historically been central to the ethical framework of Chinese society. However, the advent of smart elderly care technologies has introduced complexities that require a nuanced understanding of these traditional values [3, 4]. For instance, while material support and emotional comfort remain critical aspects of filial piety, intelligent devices and systems now offer alternative means to fulfill these roles. Technologies such as health monitoring systems and automated caregiving tools alleviate the physical and logistical burdens on children, enabling them to focus on other aspects of filial responsibility. This shift prompts a reconsideration of the traditional emphasis on direct caregiving and raises questions about how filial piety can be redefined to align with contemporary technological advancements. Moreover, the integration of these technologies into elderly care practices highlights the need for a balanced approach that preserves the essence of filial piety while embracing innovation.

Smart elderly care also presents unique opportunities for the evolution and innovation of filial piety culture. In the information age, access to knowledge and resources related to elderly care has become more convenient, empowering individuals to better understand and address the needs of seniors. Online platforms and digital tools provide valuable insights into health management and caregiving practices, enhancing the ability of children to support their parents effectively [5]. Additionally, intelligent technologies help bridge geographical distances, enabling remote participation in caregiving activities and fostering emotional connections despite physical separation. For example, video communication tools and remote monitoring systems allow children to stay involved in their parents' daily lives, offering reassurance and emotional support across time and space. These advancements imbue traditional filial piety with contemporary relevance, ensuring its alignment with the demands of modern society. By integrating technological solutions into caregiving practices, filial piety can evolve into a more dynamic and adaptable cultural concept that resonates with current societal needs.

The reconstruction of filial piety culture necessitates an exploration of its intrinsic connections with modern ethical principles, technological trends, and societal demands for elderly care. By analyzing the interplay between these factors, it becomes possible to trace the evolution of traditional filial values within the context of contemporary society. This study seeks to develop a comprehensive framework for understanding filial piety by drawing upon theories from ethics, existentialism, and philosophy. Such an interdisciplinary approach allows for a deeper examination of how filial piety can be innovatively developed and practically applied in modern contexts. Furthermore, the integration of technological advancements into elderly care practices offers a pathway for enhancing the cultural significance of filial piety, ensuring its relevance in addressing the challenges posed by aging populations [6]. Ultimately, this research aims to contribute to the creation of a harmonious and civilized elderly care environment, fostering a society that values both tradition and innovation in its approach to caregiving.

2. The Historical Evolution of the "Filial Piety" Culture

2.1. The Concept of "Filial Piety" in Ancient Times and Its Connotations

"Filial piety" held a pivotal position in ancient Chinese culture, with its definition and significance elaborated extensively in numerous classical texts. Among them, the *Classic of Filial Piety*, as a seminal work dedicated to discussing filial duties, provides an in-depth analysis of the essence of "filial piety." From the perspective of the *Classic of Filial Piety*, filial piety is not merely a behavioral guideline within family ethics but also the cornerstone for personal cultivation, managing the household, governing the state, and fostering harmonious relationships within society. It demands that children fulfill their filial obligations toward their parents not only through material support but also through spiritual reverence and care. This concept of filial piety was widely disseminated and

deeply embraced in ancient society, becoming a vital bond for maintaining familial harmony and promoting interpersonal respect.

Further exploration of the connotations of ancient "filial piety" culture reveals profound philosophical reflections underlying it. From an ethical perspective, filial piety embodies respect for and maintenance of family relationships, requiring individuals to consider the well-being of the family alongside their own. This balance and coordination of interests represent one of the core values pursued in ethics. Simultaneously, filial piety reflects reverence and care for elders—a sentiment that extends beyond natural emotional bonds rooted in blood ties to encompass recognition and inheritance of their life experiences and wisdom. In this sense, filial piety also carries existential significance, focusing on individual life experiences and personal value, and emphasizing that fulfilling filial duties fosters respect and appreciation for life itself [5]. By nurturing these values, filial piety contributed to the cultivation of ethical principles that shaped interpersonal relationships and societal norms in ancient times.

The ancient culture of "filial piety" possessed rich connotations and profound philosophical significance [7]. It served not only as a code of conduct within family ethics but also as a fundamental cornerstone for personal cultivation, managing the household, governing the state, and achieving harmonious societal relationships. From a philosophical perspective, filial piety was endowed with even deeper societal implications. Ancient rulers promoted filial piety not merely to uphold family ethics but also to encourage public loyalty and adherence to moral virtues through education in this principle. In this context, filial piety evolved into a cultural instrument: by emphasizing children's obedience and loyalty to their parents, it extended to signify subjects' loyalty and submission to their rulers. Although this interpretation deviated somewhat from the original meaning of filial piety, it nonetheless reflects its paramount importance and influence in ancient society, shaping both individual behavior and collective values.

2.2. Changes in the Concept of Filial Piety

Modern and contemporary China has experienced profound transformations across various dimensions, including political, economic, and cultural spheres. These changes have created a dynamic environment where traditional values and external influences intersect. Within this context, the concept of "filial piety," a cornerstone of China's traditional ethical and moral framework, has encountered significant challenges and adaptations. The introduction and integration of Western ideas have played a pivotal role in reshaping societal norms. Concepts such as individualism and liberalism, which emphasize personal autonomy and self-expression, have influenced traditional understandings of filial piety. This has led to a re-evaluation of the roles and expectations within family relationships, reflecting broader societal shifts [8].

The evolution of family structures in China has further contributed to the transformation of filial piety. Historically, extended families and clans formed the backbone of traditional Chinese society, characterized by intricate and interdependent relationships among members [9]. Within this framework, filial piety was not only a moral obligation but also a mechanism for preserving family harmony and social status. However, rapid urbanization and societal modernization have gradually shifted the dominant family model from extended families to nuclear families. This transition has introduced more egalitarian and independent dynamics in marital and parent-child relationships. Consequently, the practice of filial piety has evolved from being a rigid, obligatory norm to a more voluntary and emotionally driven expression of care and responsibility. This shift reflects broader cultural changes, where traditional values are being reinterpreted to align with contemporary realities, ensuring their relevance in a rapidly changing society.

3. The Current State of "Filial Piety" Culture under the Trend of Smart Elderly Care

In the context of smart elderly care in the new era, examining the current state and challenges of filial piety culture constitutes a significant topic for ethical and sociological

research [10]. With technological advancements and shifts in social structures, traditional filial piety culture is undergoing profound transformations, reflecting not only changes in the living conditions of the elderly but also evolving attitudes toward elders among younger generations. These shifts highlight the dynamic interplay between cultural traditions and modern innovations, necessitating a deeper exploration of how technology reshapes interpersonal relationships and societal values.

From a historical perspective, "filial piety" holds a pivotal position in China's culture. It is not only a moral norm but also a fundamental cornerstone of family harmony and social order. However, under the new trend of smart elderly care, both the connotation and practical manifestations of this cultural concept are undergoing significant changes. These changes are not unidirectional or linear but rather characterized by complexity and diversity. The integration of advanced technologies into elderly care systems has introduced new dimensions to the understanding of filial piety, requiring a balanced approach to preserve traditional values while embracing modern conveniences.

In the context of smart elderly care, seniors enjoy greater convenience and comfort in their daily lives. The application of technologies such as smart homes, telemedicine, and social networking platforms enables older adults to access high-quality living services even from home. However, this technological integration has also altered the way young people interact with their elders. Traditional face-to-face care and companionship have been partially replaced by remote monitoring and online communication, posing new challenges to the practice of filial piety: first, technological dependence may weaken direct bonds and emotional connections between parents and children; second, young people's respect and attentiveness toward elders may be influenced by shifting priorities and modern lifestyles; third, the convenience of smart elderly care may lead young people to overlook details of their elders' daily lives, thereby diminishing the attentive care and companionship inherent in traditional filial culture [11]. These developments underscore the importance of fostering emotional engagement and maintaining cultural values alongside technological progress.

4. The Reconfiguration of "Filial Piety" Culture in Smart Care Applications

4.1. From Material Support to Spiritual Care

In the context of smart elderly care, the redefinition of filial piety culture is particularly crucial [10]. This transformation encompasses not only changes in traditional forms of material support but also reflects a profound shift in spiritual care. With rapid technological advancements, children's support for their parents has evolved from mere financial assistance to a greater emphasis on emotional connection and mental health support. Smart care applications have introduced innovative ways to bridge generational gaps, allowing children to better understand and address the emotional needs of their parents. This shift highlights the importance of integrating technology into caregiving practices to foster deeper familial bonds and enhance the overall well-being of elderly individuals.

In traditional concepts, "filial piety" is often understood as material support and daily care. However, in modern society, particularly within the context of smart elderly care, this interpretation proves overly narrow [12]. Technological advancements have provided greater convenience and options for eldercare, enabling seniors to receive better daily assistance. Consequently, children's filial piety toward their parents no longer merely involves providing material satisfaction but is increasingly manifested through spiritual care and support. This evolution reflects a broader understanding of caregiving, where emotional and psychological well-being are prioritized alongside physical needs. By leveraging smart care technologies, families can ensure that their elderly members experience a more holistic form of care that addresses both tangible and intangible aspects of their lives.

The transformation in emotional support is first evident in increased emotional communication. In the fast-paced modern lifestyle, the physical distance between children

and parents often widens due to work, studies, and other factors. However, technological advancements have made it possible to overcome this spatial barrier. Through modern communication tools such as phone calls and video conferences, children can engage in more frequent emotional exchanges with their parents, sharing insights into each other's lives and feelings. This enhanced emotional connection not only strengthens parent-child relationships but also provides parents with spiritual comfort and fulfillment. Furthermore, these tools enable families to maintain consistent communication, ensuring that elderly individuals feel valued and connected despite physical separation.

Mental health support has increasingly become a vital component in reshaping the culture of filial piety. As they age, elderly individuals face various challenges related to emotional well-being, such as feelings of isolation or unease. Failure to address these issues promptly can significantly impair their quality of life. Therefore, under the framework of smart elderly care, children should pay greater attention to their parents' mental well-being and provide necessary psychological support and assistance. This can be achieved through regular psychological counseling and accompanying them in activities that promote emotional resilience. By utilizing smart care technologies, families can monitor and respond to the mental health needs of elderly members more effectively, ensuring their overall happiness and stability [13].

4.2. Technological Tools Enhancing Communication among Family Members

The reconstruction of the "filial piety" culture within the context of smart elderly care is particularly crucial, especially as leveraging technological means to enhance communication among family members has become a topic worthy of in-depth exploration. With the rapid advancement of modern technology, new communication tools such as social media and video calls have emerged, providing unprecedented opportunities for family members living apart to stay connected. These tools play a pivotal role in strengthening familial bonds and fostering family harmony and warmth, which are essential components of a cohesive family structure. By enabling real-time interaction and the sharing of life updates, these technologies help bridge the physical distance that often separates family members, ensuring that emotional connections remain intact despite geographical separation.

From a philosophical perspective, "filial piety" as an ethical concept deeply rooted in Chinese cultural tradition encompasses far more than mere material support and care. A deeper understanding of filial piety involves emotional connection, spiritual comfort, and concern for the quality of life and well-being of elders. In traditional society, geographical separation often made frequent communication and interaction difficult among family members living apart, posing significant challenges to practicing filial piety. However, in the context of smart elderly care, technological advancements offer a viable solution to overcome these barriers. By facilitating consistent and meaningful communication, these tools enable family members to fulfill their responsibilities in a more holistic manner, addressing not only the physical but also the emotional and psychological needs of their elders.

Through social media, family members can share daily moments in real time—whether through text, images, or videos—allowing distant relatives to experience the warmth and care of home. This form of communication that transcends time and space not only bridges the psychological gap between family members but also provides a new avenue for preserving and promoting the culture of filial piety [14]. For instance, younger generations can use social media to share new knowledge and perspectives with their elders while understanding their needs and feelings, thereby offering greater emotional support and companionship. Additionally, the interactive nature of these platforms fosters a sense of inclusion and belonging among family members, ensuring that elders feel valued and connected to the lives of their loved ones.

The widespread adoption of video calling technology has enabled family members living apart to communicate face-to-face. Through the screen, we can see our loved ones' smiles, hear their voices, and sense their emotional changes. This authentic and real-time

interaction undoubtedly strengthens emotional bonds among family members and makes the practice of filial piety more tangible and meaningful. In the context of smart elderly care, video calls can not only facilitate daily family communication but also be applied in scenarios such as health monitoring and telemedicine, providing seniors with more comprehensive and attentive care. These applications demonstrate the versatility of video calling technology, which not only enhances emotional connections but also contributes to the overall well-being and safety of elderly family members.

While technological tools provide strong support for reconstructing the culture of filial piety, we must remain vigilant about their potential negative impacts. For instance, excessive reliance on technology may lead to the virtualization of interpersonal relationships and undermine the authenticity and depth of face-to-face communication. Therefore, while leveraging technology to enhance communication among family members, we should also prioritize maintaining genuine and emotional connections, ensuring that technology serves as a facilitator rather than a substitute for the inheritance and evolution of filial piety culture. Striking a balance between technological convenience and authentic human interaction is essential to preserving the essence of filial piety while adapting it to the modern context [1].

4.3. Establishment of New Behavioral Standards for Filial Piety

The discussion on reconstructing the culture of filial piety inevitably involves establishing new behavioral norms for filial conduct [9]. The establishment of these norms not only represents an inheritance and development of traditional filial culture but also constitutes a profound reflection on contemporary social characteristics and a proactive response to them. It aims to encourage the younger generation to actively participate in smart elderly care initiatives, thereby achieving an organic integration of traditional filial values with modern technology, and enhancing the quality and efficiency of elderly care services. These norms are not merely a continuation of past practices but are designed to adapt to the evolving dynamics of modern society, ensuring that the essence of filial piety remains relevant and impactful. The new behavioral norms for filial conduct should encompass the following aspects, each addressing critical dimensions of family and societal interactions in the context of elderly care.

First, it emphasizes the equal importance of children's material support and emotional care for their parents. On the material level, children should strive to meet their parents' basic living needs by providing necessary financial assistance and daily care. This includes ensuring access to adequate nutrition, healthcare, and a comfortable living environment, which are fundamental to their well-being. On the emotional level, children should offer more companionship, communication, and respect, enabling their parents to feel the warmth and affection of the family [5]. Emotional care is not limited to physical presence but also involves active listening, understanding their concerns, and fostering a sense of belonging. By balancing these two aspects, children can create a holistic support system that addresses both the tangible and intangible needs of their parents.

Second, we should promote equal and mutually supportive family relationships. In traditional filial culture, the relationship between parents and children often exhibits a hierarchical nature [9]. However, in modern society, there is a greater emphasis on equality and mutual assistance among family members. Therefore, new norms for filial conduct should foster a more equal and open family atmosphere, encouraging open communication, mutual learning, and support between parents and children. This shift reflects the changing dynamics of family structures, where collaboration and shared responsibilities are increasingly valued. By cultivating an environment of mutual respect and understanding, families can strengthen their bonds and navigate challenges together more effectively, ensuring that the principles of filial piety are upheld in a manner that aligns with contemporary values.

Third, emphasis should be placed on the application and promotion of smart elderly care technologies. With technological advancements, an increasing number of intelligent technologies are being integrated into elderly care services. These technologies not only

assist seniors in better managing their health and daily lives but also alleviate the caregiving burden on their children [11, 12]. For instance, wearable health monitoring devices, smart home systems, and telemedicine platforms can significantly enhance the quality of care provided to the elderly. Therefore, updated norms for filial conduct should actively encourage children to help their parents learn and utilize these smart technologies, thereby enhancing their quality of life and self-care capabilities. This proactive approach ensures that elderly individuals can maintain their independence while staying connected to their families and receiving timely support when needed.

Fourth, advocating a socialized model of elderly care services. Traditionally, elderly care has primarily relied on family efforts [4, 14]. However, in modern society, with changes in family structures and the improvement of social support systems, a socialized approach to elderly care has become increasingly prevalent. New norms for filial conduct should encourage children to actively engage with and participate in socialized elderly care services, thereby providing parents with more diverse and professional options for care. This includes exploring community-based programs, professional caregiving services, and public resources designed to support the elderly. By integrating these socialized services into the caregiving framework, families can ensure that their elderly members receive comprehensive and specialized care, while also addressing the limitations of traditional family-based caregiving models.

5. Conclusion

As a core concept in traditional Chinese culture, the connotation of "filial piety" is not fixed; rather, it continues to develop in response to changing social conditions, family structures, and technological environments. In the context of smart elderly care, filial piety has acquired renewed contemporary relevance and practical expression. Traditional understandings primarily emphasized children's direct respect, obedience, and daily care for their parents. In modern society, however, this concept has gradually expanded beyond intra-family obligations to encompass broader forms of social responsibility, ethical support, emotional companionship, and coordinated care through community and technological systems.

5.1. Key Elements in the Reconstruction and Transformation of "Filial Piety" Culture under the Context of Smart Elderly Care

This transformation requires a systematic reinterpretation of traditional filial piety so that its ethical core remains meaningful within the conditions of modern social development, urbanization, demographic aging, and changing family structures. It also requires strengthening public awareness of aging-related needs and expanding institutional, community-based, and family-centered support, thereby fostering a more humane, inclusive, and sustainable elderly care service system. At the same time, technological innovation should be effectively integrated into care practices to improve service precision, accessibility, responsiveness, and efficiency, ultimately advancing the comprehensive development of smart elderly care.

5.2. The Importance of Reconstructing and Transforming the "Filial Piety" Culture for Building a Harmonious Society

In an aging society, providing appropriate support for older adults and ensuring a dignified, comfortable, and secure later life has become a major practical and ethical challenge. Reconstructing and transforming the culture of "filial piety" in ways that align with contemporary social conditions can help cultivate broader public respect for older persons, strengthen intergenerational understanding, and encourage shared responsibility within families and communities. At the same time, the development of a smart elderly care system can improve daily living conditions, expand access to health monitoring and service coordination, and enhance convenience, safety, and emotional well-being, allowing older adults to experience both technological benefits and humane care.

5.3. The Reconstruction and Transformation of the "Filial Piety" Culture Also Reflect Profound Reflections on the Value of Life and Moral Responsibility.

In traditional Confucian ethics, "filial piety" is regarded as a foundational principle of human conduct and a primary basis for moral behavior. In contemporary society, however, its connotation has been further expanded and deepened, extending beyond family relationships to include broader social responsibility, intergenerational solidarity, and public moral commitment. This transformation indicates not only a reinterpretation of inherited ethical values, but also a deeper reflection on the dignity of life, the obligations individuals bear toward vulnerable populations, and the moral structure of social care. In this sense, the reconstruction of "filial piety" demonstrates the continuing development of moral consciousness in response to social change. It is hoped that the findings of this study will strengthen public attention to and support for older adults, provide theoretical and practical guidance for building a more humane elderly care service system, and thereby promote social harmony, ethical responsibility, and sustainable social progress.

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