ISSN 2663-8169 Vol. 8, Issue 1: 38-45, DOI: 10.25236/IJNDE.2026.080107

Family Social Capital and Career Choice: A Three-Generation Analysis of Occupational Transmission Patterns

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Abstract: *This study examines how family social capital influences career choices across three generations, addressing gaps in understanding multigenerational occupational transmission. Using a mixed-methods sequential explanatory design, we analyze data from 156 three-generation family triads (468 individuals) combining quantitative surveys of occupational histories and social capital resources with qualitative interviews exploring transmission processes. Results reveal persistent grandparental influence on grandchildren's occupational attainment ($r=0.31$, $p<0.001$) even after controlling for parental characteristics. Five distinct transmission patterns emerged: direct reproduction (28.2%), modified continuation (31.4%), skip-generation transmission (15.4%), diagonal mobility (18.6%), and counter-mobility (6.4%). Family social capital operates through four mechanisms—information channels ($\beta=0.34$, $p<0.001$), network access ($\beta=0.28$, $p<0.001$), role modeling ($\beta=0.26$, $p<0.001$), and normative influence—with effects moderated by socioeconomic status, geographic proximity, family cohesion, and historical period. High-SES families demonstrate a "glass floor" effect where strong social capital prevents downward mobility (8% versus 31% for weak social capital families). The shift from occupation-specific to general social capital and increasing educational mediation across generations reflects adaptation to post-industrial labor markets. These findings extend social capital theory by revealing how conversion mechanisms evolve across historical periods and challenge conventional two-generation mobility models. The identification of adaptive reproduction—families maintaining advantage while changing occupations—suggests policy interventions must address not only resource disparities but mechanisms converting resources into advantages. Understanding these multigenerational processes is essential for developing strategies promoting genuine equality of opportunity.*

Keywords: *social capital, intergenerational transmission, career development, occupational mobility*

1. Introduction

The transmission of occupational choices and career patterns across family generations represents one of the most enduring phenomena in the sociology of work and social stratification. Despite unprecedented changes in the global labor market, technological disruption, and increasing educational access, family influence remains a powerful force shaping individual career trajectories [1]. This persistence raises fundamental questions about how family-based resources and networks continue to influence career decisions in an era characterized by both increased occupational mobility and persistent inequality.

Contemporary career development occurs within a paradoxical context. The narrative of meritocracy and individual agency dominates public discourse about career success, suggesting that outcomes primarily reflect personal talent and effort. Yet empirical evidence consistently demonstrates that family background significantly predicts occupational outcomes, even after controlling for education and individual ability [2]. This tension between individual agency and structural inheritance becomes particularly salient when examining how career choices unfold across multiple family generations.

Social capital, defined as resources embedded in social networks that can be accessed and mobilized for purposive action [3], provides a powerful lens for understanding intergenerational career

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dynamics. Within families, social capital manifests through multiple mechanisms: the transfer of occupation-specific knowledge, access to professional networks, provision of career-related information, and cultivation of occupational aspirations and identities.

While substantial research has examined intergenerational occupational mobility, several critical gaps limit our understanding. First, most studies focus exclusively on parent-child dyads, typically examining father-son correlations [4]. This two-generation approach fails to capture the full complexity of family influence. Grandparents may play crucial roles either directly through their occupational positions and networks, or indirectly by influencing parental resources and aspirations [5].

Second, although social capital theory has been extensively applied to educational and labor market outcomes, its application to multigenerational career transmission remains underdeveloped. Most studies focus on structural factors such as class position or human capital transmission, giving less attention to specific mechanisms through which family networks facilitate or constrain career choices. Third, existing research often treats occupational transmission as binary—reproduction or mobility—rather than examining nuanced patterns of family influence.

This study addresses these gaps by examining how family social capital influences career choices across three generations. We investigate: (1) What patterns of occupational transmission emerge when examining three successive family generations? (2) Through what specific mechanisms does family social capital influence career choices across generations? (3) How do the effects of family social capital vary across generations, and what factors moderate these relationships?

2. Theoretical Framework

2.1. Social Capital Theory Foundations

The concept of social capital has emerged as fundamental for understanding how resources embedded in social relationships influence individual outcomes. Bourdieu [6] conceptualized social capital as "the aggregate of actual or potential resources linked to possession of a durable network of institutionalized relationships." From this perspective, social capital represents accumulated resources convertible into economic and cultural advantages, including occupational opportunities. Within families, social capital functions as both inherited asset and actively cultivated resource shaping career possibilities across generations.

Coleman [7] offered a complementary perspective, emphasizing social capital's role in facilitating actions within social structures. He identified three forms: obligations and expectations, information channels, and social norms. In family career transmission, Coleman's framework illuminates how parent-child relationships create channels for occupation-relevant information, establish expectations about appropriate career paths, and enforce norms regarding work and achievement. His analysis highlighted how closed networks—where parents know their children's friends and their parents—create dense social structures facilitating resource transmission.

Lin's [3] network theory provides a precise framework for understanding how social resources influence occupational outcomes. Lin distinguishes between accessed social capital (resources embedded in one's network) and mobilized social capital (resources actually used for purposive action). This distinction is crucial for understanding family influence, as family members may possess valuable career-relevant resources not always successfully mobilized for the next generation's benefit. Lin's theory emphasizes network position and tie strength, suggesting that family ties, while strong, may sometimes limit access to diverse information and opportunities—what Granovetter [8] termed the "strength of weak ties" paradox.

Putnam's [9] distinction between bonding and bridging social capital further enriches understanding of family career transmission. Bonding social capital, characteristic of close family relationships, provides emotional support, reinforces identity, and facilitates transmission of family-specific resources. However, bridging social capital, connecting individuals to diverse networks outside the family, may be equally important for accessing novel career opportunities. The interplay between these forms within family systems shapes whether career paths reproduce parental occupations or diverge toward new directions.

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2.2. Intergenerational Transmission Theory

Theories of intergenerational transmission provide essential frameworks for understanding how advantages and disadvantages persist across family generations. The sociological literature has long recognized that occupational positions tend to be transmitted within families, though transmission strength varies across contexts and historical periods [10]. These patterns reflect not merely economic inheritance but complex processes through which multiple forms of capital—economic, cultural, human, and social—interact to shape life chances.

Mare[11] proposed a multigenerational perspective arguing that two-generation models underestimate family influence on stratification outcomes. His demographic approach demonstrates that grandparents influence grandchildren through multiple pathways: directly through ongoing relationships, indirectly through influence on parents' resources and behaviors, and through genetic and cultural transmission mechanisms persisting across generations. This multigenerational view is essential for understanding how social capital accumulated by one generation continues influencing career outcomes two generations later.

Solon [12] advanced theoretical models incorporating multiple inheritance mechanisms. His framework identifies four key channels: genetic endowments, human capital investments, social connections, and cultural transmission. While early mobility research focused primarily on human capital and genetic factors, recent work increasingly recognizes crucial roles of social and cultural mechanisms. Family social capital operates through several channels simultaneously, providing information guiding human capital investments, connections facilitating labor market entry, and cultural orientations shaping career aspirations.

The concept of cumulative advantage [13] explains how small initial advantages in family social capital compound across generations. Families with extensive professional networks not only provide direct career assistance but also position children in educational and social environments further expanding their social capital. This process creates divergent trajectories where initial differences lead to increasingly disparate outcomes across generations.

2.3. Career Development in Family Context

Career development theories increasingly recognize family as crucial context shaping occupational choices. Social Cognitive Career Theory [14] provides a framework for understanding how family influences shape career development through impact on self-efficacy beliefs, outcome expectations, and personal goals. Within this framework, family social capital influences career development by providing models for vicarious learning, sources of verbal encouragement, and protection from adverse experiences undermining career confidence.

The Systems Theory Framework [15] positions individuals within interconnected systems, with family being particularly influential. Career development emerges from complex interactions between individual characteristics and environmental influences. Family social capital operates as both proximal influence (through direct parent-child interactions) and distal influence (through broader socioeconomic position and networks). Changes in one generation's career trajectory can ripple through the family system, affecting subsequent generations' development.

Gottfredson's [16] theory of circumscription and compromise offers insights into how family social capital shapes boundaries of career aspirations. Through early socialization, families communicate messages about accessible and appropriate occupations, creating cognitive maps of opportunity structure. Children from families with extensive professional networks develop different perceptions of career accessibility than those from families with limited occupational diversity.

2.4. Conceptual Model

Building on these foundations, we propose an integrated conceptual model where family social capital operates through four primary mechanisms connecting three generations. First, information channels represent pathways through which occupation-specific knowledge and career strategies flow across generations, operating both directly and indirectly. Second, network access constitutes professional relationships family members can activate for career advantage. Third, role modeling shapes career aspirations through both positive modeling and negative differentiation. Fourth, normative influence encompasses values and cultural orientations toward work transmitted across

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generations.

These mechanisms interact in complex ways—network access may be most effective when combined with strong role modeling motivating individuals to utilize connections. The model incorporates moderating factors including structural factors (socioeconomic status, labor market conditions), family characteristics (cohesion, geographic proximity), and individual factors (gender, birth order, agency).

3. Methodology

3.1. Research Design

This study employs a mixed-methods sequential explanatory design combining quantitative analysis mapping transmission patterns with qualitative inquiry exploring underlying mechanisms. The three-generation design captures career data from grandparents (G1), parents (G2), and adult grandchildren (G3), allowing examination of both direct transmission and skip-generation effects. This multigenerational approach enables investigation of how historical changes in occupational structures influence transmission patterns across different generational transitions.

3.2. Participants and Sampling

The study population consists of three-generation families with living members willing to participate. Our multi-stage sampling strategy achieved both representativeness and sufficient variation in occupational outcomes. We stratified by socioeconomic status and geographic region, then used purposive sampling within strata to recruit families representing various transmission patterns.

Inclusion criteria ensured meaningful career analysis: (1) all three generations include at least one participating member; (2) grandparents aged 65+ with substantial work history (minimum 10 years); (3) parents aged 40-65, currently or previously employed; (4) grandchildren aged 25+ having entered labor market; (5) sufficient knowledge of family occupational history available.

The final sample comprises 156 complete family triads (468 individuals) plus 42 partial triads. The grandparent generation includes 58% men and 42% women, mean age 72.3 years (SD=5.8), with occupational distribution spanning professional (18%), managerial (23%), skilled manual (31%), service (20%), and agricultural work (8%). The parent generation comprises 52% men and 48% women, mean age 51.7 years (SD=6.2), with higher representation in professional (28%) and service (25%) occupations. The grandchild generation includes 49% men and 51% women, mean age 29.8 years (SD=3.9), with shifts toward professional (35%) and technical (22%) occupations.

3.3. Data Collection and Measures

Data collection employed multiple methods to construct comprehensive family career histories and measure social capital resources. The quantitative survey captured detailed occupational histories using event history calendars, improving recall accuracy by anchoring career events to memorable life events. Participants reported all jobs held for six+ months, including occupation title, industry, employment dates, and pathways to obtaining positions.

Social capital measurement utilized validated instruments adapted for three-generation context. The Position Generator [17] measured diversity of occupations accessed through family networks. The Resource Generator [18] assessed access to career-relevant resources through family ties, including job information, professional advice, and recommendations. Semi-structured interviews with 45 purposively selected families explored family occupational histories, specific instances of family influence, and reflections on transmission patterns.

Occupational coding employed the International Standard Classification of Occupations (ISCO-08), with prestige scores assigned using the International Socio-Economic Index (ISEI-08). Social capital dimensions included network diversity (Blau's heterogeneity index), network reach (highest prestige occupation accessed), and resource accessibility (combined information access, instrumental support, emotional support measures).

Transmission patterns were classified as: direct reproduction (same 2-digit ISCO category across generations), modified continuation (same broad field, different specific occupations), diagonal

ISSN 2663-8169 Vol. 8, Issue 1: 38-45, DOI: 10.25236/IJNDE.2026.080107

mobility (different fields, similar skill levels), counter-mobility (deliberate divergence from family patterns), and skip-generation transmission (G3 matching G1 but not G2).

3.4. Analytical Approach

Quantitative analysis employed multilevel modeling addressing hierarchical data structure. Three-level random effects models partitioned variance between individual, generational, and family levels. Path analysis using structural equation modeling tested theoretical models of transmission mechanisms. Mediation analysis examined whether specific social capital mechanisms explain intergenerational transmission patterns.

Qualitative analysis employed thematic analysis following Braun and Clarke's [19] framework. Cross-case analysis compared families exhibiting different transmission patterns, while within-case analysis traced transmission processes within individual families. Integration of findings occurred through joint displays highlighting convergence and divergence between methods.

4. Results

4.1. Descriptive Patterns

Intergenerational correlations in occupational prestige revealed moderate but significant associations. The G1-G2 correlation was 0.42 ($p<0.001$), G2-G3 correlation 0.47 ($p<0.001$), and notably, direct G1-G3 correlation remained substantial at 0.31 ($p<0.001$), suggesting persistent grandparental influence beyond parental mediation. Transition matrices revealed asymmetric mobility patterns—among G1 professionals, 52% of children entered professional/managerial occupations versus only 18% from G1 elementary occupations. This pattern intensified in G2-G3 transition, with 68% of G3 with professional parents entering professional occupations versus 12% from elementary backgrounds.

Gender differences emerged clearly across generations. Father-son correlations ($r=0.51$) exceeded father-daughter ($r=0.38$), mother-daughter ($r=0.43$), and mother-son correlations ($r=0.29$). These patterns were pronounced in sex-typed occupations, with 73% of G3 women whose mothers worked in education/healthcare entering similar fields versus only 22% of G3 men.

4.2. Types of Transmission Patterns

Five distinct transmission patterns emerged through combined cluster analysis and qualitative pattern recognition. Direct reproduction (28.2% of families) showed strong occupational continuity across generations, most common in licensed professions and skilled trades. One medical family's granddaughter explained: "Medicine was always discussed at dinner. My grandfather shared cases, my father explained procedures. By high school, I could read medical journals because I'd absorbed the language since childhood."

Modified continuation (31.4%) involved inheritance within broad fields but adaptation to changing structures. A grandfather-typesetter, mother-graphic designer, grandson-digital media producer family illustrates successful translation of field-relevant capital across technological transitions. Skip-generation transmission (15.4%) occurred when G3 followed G1 rather than G2 paths, often when G2's mobility proved unsatisfying. One granddaughter noted: "Dad seemed stressed about work, but grandma loved teaching. Her stories made me realize that's what I wanted."

Diagonal mobility (18.6%) maintained similar prestige levels while changing fields across generations, mobilizing general rather than occupation-specific social capital. Counter-mobility (6.4%) involved deliberate divergence from family traditions. One grandson from executive family becoming social worker explained: "My family's connections could've easily gotten me into business, but seeing what that life cost them, I chose differently."

4.3. Social Capital Mechanisms

Multiple regression analyses revealed differential effects of social capital mechanisms on occupational outcomes. Information channels showed strongest direct effect ($\beta=0.34$, $p<0.001$), with family-provided career information significantly predicting attainment. Families with strong

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information channels provided not just occupational awareness but detailed insider knowledge. A G3 medical professional noted: "My parents explained residency matching politics, which specialties had better work-life balance, how to position for competitive programs. This insider knowledge was invaluable."

Network access demonstrated significant but varied effects. High-prestige occupational contacts predicted better outcomes ($\beta=0.28$, $p<0.001$), but network diversity showed inverted U-shaped relationship—moderate diversity optimized outcomes while extreme homogeneity or diversity showed weaker effects. Instrumental support strongly affected career entry ($\beta=0.31$, $p<0.001$ for first job prestige), with 67% using family connections achieving higher prestige than education predicted.

Role modeling operated through complex pathways. Positive modeling had direct effects on occupational choice ($\beta=0.26$, $p<0.001$) and indirect effects through educational aspirations ($\beta=0.19$, $p<0.001$). Negative modeling appeared primarily in families with high work-family conflict. Role modeling effects were moderated by relationship quality, with closer grandparent-grandchild relationships showing stronger transmission (interaction $\beta=0.14$, $p<0.01$).

4.4. Generational Differences and Moderating Factors

Family-level variance in occupational outcomes decreased from 38% in G2 to 26% in G3, suggesting some attenuation of family influence. Direct occupational inheritance declined from 34% (G1-G2) to 21% (G2-G3), while general social capital effects strengthened. Educational mediation intensified—72% of G2-G3 effects operated through education versus 55% for G1-G2.

Socioeconomic status showed complex moderating effects. Among high-SES families, social capital primarily prevented downward mobility—only 8% with strong social capital experienced downward mobility versus 31% with weak social capital. This "glass floor" effect operated through multiple mechanisms including safety nets enabling risk-taking and recovery from setbacks.

Geographic proximity strongly moderated social capital activation. Families where G3 lived within 50 miles of grandparents showed stronger grandparental social capital effects ($\beta=0.38$) versus geographically dispersed families ($\beta=0.14$). One participant explained: "Living near grandparents meant shadowing them at work, meeting colleagues at social events, getting introduced naturally."

Family cohesion moderated transmission, with high-cohesion families showing positive effects ($\beta=0.44$) and low-cohesion families showing negative effects ($\beta=-0.12$). Historical period effects emerged—G3 entering labor markets during recessions showed stronger family social capital reliance ($\beta=0.51$) versus economic expansions ($\beta=0.29$), suggesting family capital serves as insurance against adverse conditions.

5. Discussion

5.1. Theoretical Implications

The persistence of direct grandparental influence on grandchildren's occupational outcomes, controlling for parental characteristics, supports emerging multigenerational perspectives in stratification research [11]. This G1-G3 effect suggests family advantage accumulates through channels bypassing intermediate generations, requiring revision of traditional two-generation models assuming all grandparental influence flows through parents.

Identification of five distinct transmission patterns provides nuanced understanding beyond mobility/immobility dichotomies. The prevalence of modified continuation particularly challenges strict reproduction theories by showing how families adapt occupational inheritance to structural changes while maintaining advantages. These families demonstrate "adaptive reproduction"—ability to translate occupation-relevant capital across technological and economic transitions.

Findings support but qualify Bourdieu's [6] capital conversion theory. While we observe conversion between economic, social, and cultural capital across generations, conversion rates and mechanisms vary by historical period and occupational field. Increasing mediation through education suggests "conversion rules" have shifted toward credentialism, consistent with Collins' [20] credential society thesis. However, persistence of direct social capital effects, particularly in licensed professions and economic downturns, indicates credentialization supplemented rather than replaced traditional transmission mechanisms.

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Differential effects of bonding versus bridging social capital extend Putnam's [9] framework to intergenerational transmission. Increasing value of network diversity in G2-G3 transition relative to G1-G2 suggests industrial to post-industrial labor market shifts altered relative value of different social capital types. Dense, occupation-specific networks providing advantages in stable industrial employment become less valuable than diverse, flexible networks in contemporary careers characterized by frequent changes and boundary crossing.

Gender convergence in network effects coupled with persistent gendered occupational transmission suggests different gender stratification mechanisms operate at different transmission levels. The apparent contradiction—convergence in network benefits but persistence in occupational segregation—indicates complex intersections between family socialization and structural opportunities.

5.2. Methodological Contributions

The mixed-methods sequential explanatory design proves particularly valuable for studying complex transmission processes, with qualitative data revealing mechanisms hidden in purely quantitative analyses. Integration of standardized instruments with family career narratives provides both breadth and depth in measuring social capital, addressing limitations of single-method approaches [21].

Three-level hierarchical models appropriately address multigenerational data's nested structure, revealing that two-generation studies may overestimate individual-level effects by failing to account for extended family clustering. The event history calendar method effectively minimized recall bias, with validation showing 89% accuracy for major occupational transitions.

However, limitations warrant consideration. The retrospective design cannot fully capture contemporaneous decision-making. Selection toward intact, cooperative families may overestimate social capital effects, though recruitment through individual members and inclusion of partial triads partially addresses this concern. Focus on families with living members excludes those experiencing early mortality, potentially biasing toward advantaged families with greater longevity.

5.3. Practical Implications

The strong protective "glass floor" effect among high-SES families suggests equality of opportunity requires addressing mechanisms preventing downward mobility among advantaged, not just promoting upward mobility. Policy interventions focusing solely on providing resources to disadvantaged families may be insufficient if advantaged families deploy social capital to maintain position regardless of merit.

Critical information channel roles suggest information asymmetries contribute significantly to occupational inequality. Career counseling programs could provide insider knowledge comparable to advantaged families' transmissions—not just occupational awareness but detailed career strategies, informal requirements, and advancement pathways. Family social capital's strongest effects at career entry highlight importance of early interventions providing not just role models but concrete network connections and insider information.

Geographic proximity's moderating effect has implications for residential mobility policies. Programs promoting moves to opportunity-rich areas may inadvertently weaken family social capital through geographic dispersion. This trade-off between accessing better local opportunities and maintaining family support networks deserves greater policy attention, particularly for immigrant and minority families relying heavily on kinship networks.

Educational institutions play complex roles in either reproducing or mitigating family advantages. While elite universities can substitute for family social capital, family resources strongly influence access to these institutions. Admissions policies considering family background could help level playing fields, though findings indicate students from less advantaged backgrounds need additional support activating institutional social capital.

Acknowledgement

This research was supported by the Key Research Base of Philosophy and Social Sciences in Zigong City—Vocational Education Development Research Center of Sichuan University of Science and Engineering (ZYJY24-06).

ISSN 2663-8169 Vol. 8, Issue 1: 38-45, DOI: 10.25236/IJNDE.2026.080107

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