

Social Science and Human Research Bulletin

ISSN(e): 3050-5542

ISSN(p): 3050-5534

Vol. 03(11): 1367-1373, November 2026

Home Page: http://sshrbjournal.org/

Hmong Household Economic Management in Lao Cai, Vietnam: An Integrative Narrative Review

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Article DOI: 10.55677/SSHRB/2026-3050-1102 **DOI URL: https://doi.org/10.55677/SSHRB/2026-3050-1102**

KEYWORDS: Hmong households, Lao Cai, economic management, financial capability, sustainable livelihoods, ethnic minorities.

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Published: November 05, 2026

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ABSTRACT: Economic management within Hmong households involves more than budgeting: families balance food production, cash income, credit obligations, social relationships and livelihood risks. This article synthesises published evidence on the conditions shaping those decisions in Lao Cai, northern Vietnam. A structured narrative review examined 25 core publications dated 1997-2025, drawing on sustainable livelihoods theory and financial capability. Five additional studies on culture-based tourism and community participation informed a separate discussion of possible livelihood applications. Six interacting domains were identified: education and language; demographic and gender relations; kinship networks; commodity-chain position; credit access; and public interventions. The synthesis indicates that household choices reflect food security and autonomy as well as cash returns. Language barriers can restrict the use of institutions, while kinship both facilitates transactions and creates exposure to closed networks. Formal credit and agricultural programmes likewise alter household cash requirements. Available studies rarely measure financial capability directly or document the distribution of financial decisions within families. The article develops four observable management functions and proposes locally adapted financial guidance, seasonal credit design and community-based market support. These are research-informed proposals rather than tested interventions.

I. INTRODUCTION

Reducing poverty has been a major achievement of economic reform in Vietnam, yet progress has remained uneven across ethnic communities. Analysis of national surveys for 1993-2004 attributes much of the majority-minority expenditure gap to unequal returns on schooling, labour and other household resources, rather than endowments alone (van de Walle & Gunewardena, 2001; Baulch et al., 2012). The 2019 survey of ethnic minorities reported that 35.5% of minority households were classified as poor or near-poor. Among Hmong households, the respective shares were 52.6% and 12.8% (General Statistics Office & Committee for Ethnic Minority Affairs, 2020; General Statistics Office, 2020). These are national survey results, not estimates for Lao Cai alone.

Economic circumstances cannot be understood solely through an inventory of land, labour and financial assets. Households also decide when to sell crops, how much food to retain, whether to borrow, whose labour to allocate to markets and how to respond when prices or harvests change. Such decisions take place within linguistic, social and institutional constraints. Financial literacy addresses the knowledge required to interpret financial options (Lusardi & Mitchell, 2014); financial capability additionally concerns the practical opportunity to act on that knowledge (Johnson & Sherraden, 2007). Both ideas are relevant to household economic management, but neither fully captures the objectives and obligations of a highland livelihood.

In the former Lao Cai Province, Hmong families have combined rice, maize and livestock with cardamom cultivation, textile trading and tourism-linked work. Ethnographic accounts describe adaptive but selective engagement with commercial opportunities rather than straightforward replacement of subsistence production (Turner & Michaud, 2008; Turner, 2007; Turner et al., 2015). Since the provincial restructuring approved in June 2025, Lao Cai also includes the former Yen Bai Province (National Assembly of Vietnam,

2025). Evidence obtained in Sa Pa or Muong Khuong should therefore not automatically be generalised to the larger contemporary province.

This article asks which factors shape household economic management among Hmong communities in Lao Cai, how those factors interact, and what gaps limit evidence-based support. It integrates economic analyses of minority inequality with place-specific ethnographic accounts. The contribution is an operational definition of management capacity and an evidence-sensitive synthesis of six influencing domains, rather than a new household survey or a claim to estimate their relative statistical effects.

II. THEORETICAL BACKGROUND AND RESEARCH METHODS

2.1. Analytical foundations

The sustainable livelihoods approach explains outcomes through the interaction of household assets, strategies, institutions and vulnerability (Scoones, 1998). Ellis (2000) further identifies diversification as a response to both opportunity and risk. This perspective is essential in a highland setting where crops used for family consumption coexist with seasonal sales and supplementary earnings. It prevents a simple equation between greater market participation and improved household welfare.

The capability approach treats meaningful freedom to pursue valued ways of living as a central development concern (Sen, 1999). Financial capability translates part of that concern into the relationship between economic knowledge and usable financial opportunities (Johnson & Sherraden, 2007). In addition, household bargaining theory shows why resources and authority cannot be assumed to be shared evenly between women and men (Agarwal, 1997). Combining these perspectives directs attention to both household-level choices and the distribution of decision-making within them.

For this synthesis, household economic management capacity comprises four observable functions: allocating labour, land and cash among competing uses; managing savings, borrowing and seasonal payments; locating and evaluating buyers, financial services and public support; and responding to market, environmental and policy shocks. These functions describe decisions that later fieldwork could measure. They do not constitute an existing validated Hmong financial-capability scale.

2.2. Search, selection and thematic synthesis

The core review used the search and screening process reported in the underlying study. Searches conducted in May 2026 covered the Hmong Studies Citations database at the University of Wisconsin-Madison, Vietnam Journals Online, IDEAS/RePEc and academic search services. Combinations of Hmong, Lao Cai, Sa Pa, livelihood, household economy, market, credit, language and financial capability were searched in English and Vietnamese. Government statistics and legal records supplied the policy context.

The 25-source corpus consisted of 16 journal articles, four books, one working paper, two statistical publications and two legal documents published between 1997 and 2025. Sources were retained if they provided empirical information about Hmong livelihoods in northern Vietnam, household-level evidence on ethnic minority inequality, or the theoretical concepts needed for synthesis. Publications were read for reported mechanisms affecting economic decisions. Recurring explanations were clustered into six themes and cross-checked against the differing geographic and methodological coverage of sources.

A further five publications dated 2025-2026 were drawn from a supplied bibliography to contextualise craft-based tourism, heritage communication and community participation. They were not part of the original 25-source search corpus and did not determine the six themes. This distinction matters because research on heritage visitors in Hanoi or tourism elsewhere in Vietnam cannot substitute for evidence from Hmong households. As a narrative review, the study does not estimate pooled effect sizes or establish the prevalence of any particular practice.

2.3. Interpretation and evidential boundaries

Thematic synthesis compared what each source directly observed with what could reasonably be inferred for household decision-making. The broad surveys can describe associations among education, infrastructure, ethnicity and welfare, but usually do not isolate Lao Cai Hmong households. Ethnographic research provides detailed explanations of local practices but does not yield representative provincial percentages. Studies on credit in other northern provinces are relevant for comparison, not direct measurements of Hmong borrowing outcomes in Lao Cai. Maintaining these distinctions prevents the review from turning a plausible mechanism into a numerical conclusion.

The proposed framework consequently treats the six domains as interdependent contexts rather than an ordered ranking of causes. For future research, evidence of capacity would need to distinguish access from actual use, knowledge from decision authority, and short-term income from household resilience. Without these distinctions, apparent differences in behaviour might merely reflect unequal opportunities or different household goals. This review retains those boundaries when moving from findings to policy implications.

III. RESEARCH FINDINGS

3.1. Livelihood context and a six-domain framework

The reviewed ethnographies describe household portfolios in which subsistence production anchors decisions while cash is earned from several activities. Hmong farmers in the Sa Pa area have engaged in cardamom cultivation, textiles and tourism services without uniformly abandoning staple-food production (Turner & Michaud, 2008; Turner, 2012a, 2012b). Cardamom links forest-

based cultivation to traders and cross-border distribution (Tugault-Lafleur & Turner, 2009). Women have participated in different levels of textile trade, ranging from local sales to tourist-oriented networks (Turner, 2007). The decision to diversify may seek resilience and autonomy, not simply maximum immediate income.

Table 1 summarises the six domains associated with economic management in the core corpus. These domains are analytical categories, not independently measured predictors in a single Hmong household dataset. They help identify where support must address knowledge, access, bargaining conditions and risk together.

Table 1. Six factors influencing household economic management

Factor domain	Mechanism indicated by the literature	Management function affected
Education and language	Schooling and Vietnamese-language proficiency influence use of information, forms and services.	Planning; institutional access
Household composition and gender	Dependency burdens and bargaining positions shape cash allocation and control of decisions.	Allocation; saving and debt
Kinship and clan ties	Relations provide labour, inputs, information and advances but may limit alternative channels.	Market access; shock response
Markets and value chains	Traders and information asymmetries influence prices, timing and bargaining power.	Sales; income management
Formal and preferential credit	Credit limits, amounts and repayment timing interact with agricultural cash needs.	Borrowing; cash flow
State interventions	Input subsidies and development programmes affect costs, incentives and household autonomy.	Planning; risk management

Source: Author's synthesis of the 25 core publications.

The framework highlights a further distinction: households may possess skills yet remain unable to exercise them when markets, services or administrative procedures are inaccessible. Conversely, they may achieve resilient outcomes through trusted informal arrangements without using a formal financial product. Measuring management capacity therefore requires evidence about both practical choices and the opportunities that households can realistically pursue. This is particularly important where cash transactions coexist with non-monetary exchanges and family labour.

3.2. Education, language and usable information

National decomposition studies repeatedly identify education and demographic structure as sources of disadvantage and show that lower returns to assets account for an additional substantial share of the ethnic expenditure gap (Baulch et al., 2012; van de Walle & Gunewardena, 2001). Nguyen et al. (2017) connect part of this unequal return to language barriers, especially the ability to benefit from schooling and public infrastructure. For household managers, literacy in Vietnamese may affect comprehension of loan conditions, product requirements, agricultural advice and prices. It should be considered a condition of access, not a proxy for intelligence or economic judgement.

According to the 2019 ethnic-minority statistics, 54.3% of Hmong adults aged 15 or above could read and write the national script, while 19.1% could read and write the Hmong script; 4.2% of Hmong workers had a vocational certificate or degree and 5.2% worked outside agriculture (General Statistics Office, 2020). These national indicators do not measure loan numeracy or financial capability among Hmong adults in Lao Cai. They nevertheless show why simply distributing information in standard written Vietnamese may not provide equitable access to financial services.

Knowledge of numeracy should also be separated from formal schooling. A household may be highly competent at counting crop quantities, negotiating an in-kind exchange or remembering debts while finding written loan documents unfamiliar. The review does not demonstrate which of these skills are common among Hmong households, but it shows why a future assessment should use practical tasks and oral explanation alongside conventional questionnaires. The choice of assessment language may itself affect the results and should be reported explicitly.

3.3. Household composition and decision-making authority

Household size and dependency affect the balance between labour available for farming and resources required for consumption. The 2019 survey reported an average Hmong household size of 5.3 persons (General Statistics Office, 2020). The effects of household size depend on ages, work opportunities and seasonal obligations, so large households should not automatically be classified as economically weaker. Labour contributions may help sustain terraced farming while simultaneously increasing pressure on stored food.

The Hmong kinship system has commonly been described as patrilineal, with substantial male authority in land and ritual affairs (Lee & Tapp, 2010). Yet textile commerce offers women an additional role in generating and circulating money (Turner, 2007). Bargaining theory suggests that earnings and control over resources can influence whose priorities shape spending and borrowing (Agarwal, 1997). The reviewed literature, however, does not provide sufficiently detailed Hmong household data to identify who actually authorises particular debts, allocates savings or decides which assets to sell. Such questions remain empirical priorities, not established gender-specific results.

3.4. Kinship networks as resources and constraints

Ethnographic work in Muong Khuong documents the concrete economic functions of Hmong and Dao social networks. Family and clan relations have mediated access to seedlings, labour, buyers, price information and advances; some ties extend across the border with China (Doan, 2023). Such networks can reduce transaction costs when formal lending or information channels are difficult to use. Turner (2012b) similarly portrays Hmong livelihood choices as embedded in relationships with officials, traders and other local actors, rather than confined to isolated household decisions.

Dependence on a network can also create vulnerability. Doan (2023) reports that border restrictions introduced in 2020 interrupted familiar channels and increased some growers' reliance on a limited set of domestic buyers. Strong connections within a clan therefore do not necessarily provide access to competitive prices or alternative finance. Economic management involves assessing the reliability of existing partners while developing additional channels beyond kinship where appropriate. This finding cautions against either dismissing informal networks or treating them as an adequate replacement for accessible institutions.

3.5. Market position and livelihood diversification

Research on cardamom identifies unequal access to capital and bargaining advantages along chains connecting growers, intermediaries and distant buyers (Tugault-Lafleur & Turner, 2009). Textile trading is likewise shaped by relations among Hmong women, lowland traders, visitors and state institutions (Turner, 2007). Physical access to a market is only one condition of participation: information about prices, buyer concentration, seasonal storage needs and opportunities for delayed sales also matter. National evidence indicates that geography explains only part of ethnic expenditure inequality (Baulch et al., 2012), while infrastructure alone does not eliminate differences in returns (Nguyen et al., 2017).

Recent work on brocade weaving as a resource for distinctive tourism in the northern mountainous region offers a relevant comparison for craft-based income opportunities (Pham et al., 2025). It does not, however, quantify returns to Hmong producers in Lao Cai. The available evidence supports treating tourism and craft sales as possible components of diversified household portfolios while recognising market volatility and the continuing importance of farming for subsistence security.

Market opportunities are also uneven within a household. Income from a small textile transaction may be controlled by a different family member than revenue from a crop sold through an intermediary. Existing studies establish that such livelihood activities are present, but do not permit a reliable estimate of how earnings are distributed or reinvested within families. A stronger economic-management assessment would therefore trace individual contributions and decision authority as well as aggregate household receipts.

3.6. Credit access and seasonal cash requirements

Evidence from northern mountainous Vietnam shows that ethnic minority households face greater constraints in commercial and informal credit than Kinh households; preferential loans may be more accessible but often smaller (Do & Nguyen, 2015). In Bac Kan, a study of 289 ethnic minority households found an association between policy-bank loans and higher household expenditure and education spending (Vu & Goto, 2020). These findings establish a regional policy concern, but the Bac Kan estimate should not be read as a measured effect among Hmong borrowers in Lao Cai.

Credit management is inseparable from the timing of farming expenses and harvest revenues. Bonnin and Turner (2012) describe how programmes promoting purchased hybrid seed and fertiliser can increase the need for cash before crops are sold. Even a loan with favourable interest may create hardship if its size, conditions or repayment schedule do not fit seasonal income. Supporting capability therefore means helping households compare borrowing options, anticipate recurring input purchases and retain contingency resources, not merely increasing the number of loans issued.

The distinction between financial access and financial capability is especially important in this context. A newly available loan may increase flexibility if its conditions fit the household calendar, but can increase vulnerability when repayment arrives before cash earnings. The review does not demonstrate either outcome for a specific Hmong intervention. Rather, it indicates which features of credit products should be recorded in subsequent fieldwork: disbursed amount, purpose, effective cost, due dates, household understanding and contingency options (Johnson & Sherraden, 2007; Do & Nguyen, 2015).

3.7. Public programmes and household agency

Agricultural and development programmes shape the menu of choices available to highland households. In Lao Cai, households have been shown to assess subsidised seed packages against their own priorities for food security and control of production; their responses included adaptation and selective resistance (Bonnin & Turner, 2012; Michaud, 2012). Long-term accounts of agrarian

transition also demonstrate variation in trajectories rather than one uniform progression toward commercial farming (Turner, 2012a; Turner et al., 2015).

Vietnam's National Target Programme for socio-economic development in ethnic minority and mountainous areas for 2021-2030 includes livelihood and vocational support measures (Prime Minister of Vietnam, 2021). The source literature suggests that successful support for management capacity must consider whether training, credit and extension services strengthen independent decision-making. Programme adoption is not, by itself, a reliable measure of capability if households reject particular inputs to protect food reserves or avoid debts.

IV. DISCUSSION AND POLICY IMPLICATIONS

4.1. Interdependence and the meaning of capacity

The six domains operate through connected pathways. Language barriers can reduce access to banks and state services; kinship offers partial substitutes; public agricultural inputs increase cash requirements; and buyers' market power influences whether new income is sufficient to meet repayment obligations. The national pattern of unequal returns to endowments (Baulch et al., 2012; Nguyen et al., 2017) is consistent with these mechanisms, although the review cannot estimate their relative influence in Hmong households. Interventions aimed at a single constraint are therefore likely to encounter others.

A more appropriate measure of management capacity would ask whether a family can pursue its chosen balance of food security, income and autonomy while handling foreseeable risks. Hmong livelihood studies show that strategies can be deliberate and adaptive even when they depart from official expectations of commercialisation (Michaud, 2012; Turner, 2012b). This interpretation follows the capability approach, which prioritises meaningful options over compliance with an externally defined ideal (Sen, 1999). It also requires examining women's and men's preferences separately rather than treating the household as a single voice.

4.2. Practical directions for support

Three policy directions follow from the synthesis. First, financial education should be accessible through spoken Hmong and visual or worked examples based on familiar crops, cash calendars and local transactions. Teaching could cover comparison of loan terms, simple records of income and expenses, and decisions about retaining food or cash reserves. Second, preferential lenders and extension providers could align repayment arrangements and advisory sessions with seasonal revenue and the recurrent costs of programme-supplied inputs. Third, communes could work with trusted community intermediaries while also helping households reach additional buyers, service providers and market information sources. These suggestions require local piloting and evaluation.

Diversification associated with cultural production warrants a complementary, carefully bounded consideration. Studies of Vietnamese heritage tourism connect visitor experiences with storytelling (Nguyen & Nguyen, 2026), community involvement with conservation awareness (Nguyen, 2025), communication quality with local feedback (Phuong & Lam, 2025), and place attachment with sustainable tourism (Vu & Nguyen, 2026). These studies concern different populations and locations; none demonstrates that heritage tourism increases Hmong household financial capability in Lao Cai. Alongside research on brocade tourism in northern mountainous Vietnam (Pham et al., 2025), they suggest questions for locally grounded pilots: who retains sales revenue, who controls pricing, and how cultural participation affects households' own priorities.

Implementation could be monitored through modest and observable measures rather than broad claims of empowerment. Pilot programmes might record whether participants can explain a loan repayment schedule, compare two buyers, prepare a seasonal cash plan or identify an alternative contact during a supply disruption. Separately recorded responses from women and men would reveal whether opportunities are shared. These measures would not prove income gains on their own, but would test whether the proposed support improves the actual decisions that constitute management capacity.

4.3. Evidence gaps and future study

The principal limitation is the absence of a validated survey measuring the four proposed management functions among Hmong households in Lao Cai. Available statistical work often aggregates multiple minority groups, while the ethnographies are concentrated in Sa Pa, Muong Khuong and nearby historical districts. Published accounts also offer limited member-specific information on intra-household decisions about saving, borrowing and control of income. Administrative changes in 2025 make this uneven geography especially important when interpreting province-wide claims.

A subsequent mixed-methods study could combine household surveys with interviews conducted in a preferred language, documenting access to information, repayment planning, buyer choice, shock responses and differences between members' decisions. Comparative sampling across communities in both the former Lao Cai and Yen Bai areas would test the framework's wider applicability. Such work could also distinguish whether financial training, adjusted credit terms or expanded market connections improve capabilities. The present narrative synthesis supplies questions and candidate indicators, not verified causal relationships.

V. CONCLUSION

Household economic management among Hmong communities in Lao Cai is best understood as the capacity to make and implement livelihood decisions within a changing social and institutional environment. Twenty-five core publications identify six

interconnected influences: education and language, household composition and gender, kinship, market position, credit, and public intervention. These factors shape four practical functions: allocating resources, managing cash and debt, accessing markets and institutions, and responding to shocks. The evidence emphasises purposeful household choices and the importance of food security and autonomy alongside market income. Policy design should therefore link language-accessible financial guidance, seasonally appropriate credit and wider market connections. Further household-level research is necessary before the effects of particular measures can be established.

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