Advances in Consumer Research
https://acr-journal.com/
Volume-2 | Issue-6 | Dec: 2025

Original Researcher Article

Understanding The Growth Of Microinsurance In India And Its Role In Advancing Financial Inclusion For Vulnerable Populations.

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Received: 12/10/2025
Revised: 26/11/2025
Accepted: 16/12/2025
Published: 19/12/2025

ABSTRACT
Microinsurance has emerged as a pivotal instrument in India's financial inclusion landscape, offering affordable protection to vulnerable populations such as low-income rural households, women, small farmers, and landless laborers who face high risks from health shocks, crop failures, and natural disasters. The sector has witnessed robust growth, with the market reaching USD 428.4 million in 2024 and projected to expand to USD 1,693.3 million by 2033 at a CAGR of 15.67%, driven by government initiatives like Pradhan Mantri Jan Dhan Yojana (PMJDY) and Pradhan Mantri Suraksha Bima Yojana, alongside technological innovations in digital distribution and mobile claims processing. New business premiums in life microinsurance surpassed USD 1.12 billion in FY2023-24, marking a 23.5% year-on-year increase, reflecting heightened penetration among the underserved.

This paper examines the evolution of microinsurance in India, highlighting its role in mitigating vulnerability, fostering savings, enabling credit access, and promoting social equity for marginalized groups. By reducing debt traps from unforeseen events, microinsurance complements broader financial inclusion efforts, with over 66% of PMJDY accounts now linked to accident insurance coverage. Despite achievements, challenges persist, including low awareness, affordability barriers, and distribution gaps in rural areas, necessitating enhanced financial literacy campaigns, innovative premium models, and regulatory incentives.

Leveraging data from IRDAI reports and market analyses, the study underscores informatics-driven strategies such as AI-enabled risk assessment and blockchain for claims transparency as key to scaling impact. Microinsurance not only shields vulnerable populations from poverty but also aligns with sustainable development goals, positioning India as a global model for inclusive finance. Policymakers and insurers must prioritize trust-building through quick settlements and targeted outreach to sustain this trajectory.
Keywords: Microinsurance, financial inclusion, India, vulnerable populations, low-income groups, IRDAI, PMJDY, risk protection.
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1. INTRODUCTION:

Microinsurance has emerged as an important mechanism within India's financial inclusion architecture, offering low-income and vulnerable households a means to manage risks arising from illness, crop failure, accidents, and climate-related disasters (Agrawal et al., 2020; Singh, 2015). Large segments of rural and informal workers historically remained excluded from conventional insurance because products were designed for higher and more stable incomes, involved complex documentation, and relied on distribution channels that did not reach remote areas (Ratna Kishore, 2013; Penetration of Micro Insurance in India, 2019). Microinsurance, with its low premiums, simplified terms, and group-based delivery through self-help groups, cooperatives, and microfinance institutions, developed as a response to this exclusion, and is now recognised as a key pillar of inclusive finance in India (KD Publications, n.d.; Microinsurance: A tool for financial inclusion in rural India, 2025).

India's broader financial inclusion push provides crucial background to the growth of microinsurance. The government's flagship Pradhan Mantri Jan Dhan Yojana (PMJDY) expanded basic bank account ownership, while companion schemes such as the Pradhan Mantri Suraksha Bima Yojana (PMSBY) and Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) embedded low-ticket accident and life insurance into mass banking outreach (Micro-Insurance Innovations, 2024). These initiatives signalled a departure from credit-centric models towards a more holistic approach that recognises insurance as a core financial service for the poor (A Study of the Life Insurance Sector in India, 2024). The Insurance Regulatory and Development Authority of India (IRDAI) further institutionalised this shift by issuing specific microinsurance regulations, prescribing product parameters, and encouraging multi-channel distribution that includes microfinance institutions, NGOs, and cooperatives (IRDAI, 2022; Penetration of Micro Insurance in India, 2019).

Academic and policy literature documents a steady rise in microinsurance coverage and premium volumes in India, particularly in life and health segments aimed at low-income clients (Agrawal et al., 2020; Microinsurance as a tool for enhancing financial inclusion, 2024). Studies show that microinsurance can cushion low-income households against idiosyncratic shocks, reduce reliance on high-cost informal credit, and limit distress sales of assets, thereby supporting financial resilience (Cole et al., 2012; KD Publications, n.d.). At the same time, authors highlight gaps in effective coverage, with issues such as low awareness, complex documentation, and claim disputes undermining the perceived value of microinsurance among intended beneficiaries (Ratna Kishore, 2013; Enterslice, 2020). These mixed outcomes justify a deeper examination of both the quantitative growth of microinsurance and its qualitative contribution to inclusive finance.

The present study, "Understanding the Growth of Microinsurance in India and Its Role in Advancing Financial Inclusion for Vulnerable Populations," builds on this background by focusing on specific vulnerable groups such as low-income rural households, women, smallholder farmers, landless labourers, and informal sector workers. Evidence from India and other developing contexts suggests that these groups face overlapping vulnerabilities limited savings buffers, income volatility, exposure to health and climatic risks, and constrained access to formal credit which can trap them in chronic poverty when shocks occur (Women's World Banking, 2024; Micro-insurance in Bangladesh, 2007). Microinsurance can mitigate such vulnerabilities by providing timely pay-outs that stabilise consumption, protect livelihood assets, and preserve creditworthiness, thereby reducing the likelihood of downward mobility after adverse events (Cole et al., 2012; Micro-Insurance Innovations, 2024).

Contemporary financial inclusion discourse emphasises not only access but also usage and quality of financial services, including the extent to which products enhance welfare and resilience (Microinsurance as a tool for enhancing financial inclusion, 2024). Within this framework, microinsurance is both protective and enabling it protects by limiting catastrophic expenditures and income loss, and it enables by supporting a savings culture, improving borrowers' risk profiles, and allowing households to undertake productive investments with greater confidence (KD Publications, n.d.; Microinsurance: A tool for financial inclusion in rural India, 2025). For example, insured farmers may be more willing to adopt higher-yield seeds or irrigation technologies and insured informal workers may be more inclined to invest in education or micro-enterprise, knowing that basic risks are partially covered (Penetration of Micro Insurance in India, 2019; Cole et al., 2012).

Located within this policy and conceptual background, the study pursues four interrelated objectives. First, it traces the evolution of microinsurance in India, highlighting regulatory milestones, institutional experimentation, and programmatic innovations that have shaped the sector since IRDAI first engaged with microinsurance as a distinct category (IRDAI, 2022; Micro-insurance in Bangladesh, 2007). Second, it examines growth patterns using indicators such as premium volumes, number of policies, covered lives, and product mix across life, health, agriculture, and other lines, drawing on IRDAI statistics and related market analyses (IRDAI, 2022; Micro-Insurance Innovations, 2024). Third, it analyses how microinsurance contributes to financial inclusion for vulnerable populations through risk transfer, facilitation of savings, support for credit access, and promotion of social equity (Agrawal et al., 2020; KD Publications, n.d.). Finally, it identifies persistent bottlenecks and assesses the potential of informatics-driven strategies to address them.

Existing literature and industry analyses identify several structural challenges that limit the scale and effectiveness of microinsurance in India. Awareness of insurance concepts remains low among many low-income households, and financial literacy constraints impede understanding of policy features, exclusions, and claims procedures (Microinsurance as a tool for enhancing financial inclusion, 2024; Enterslice, 2020). Affordability is a persistent concern because even modest premiums can be burdensome for clients with irregular and seasonal cash flows, contributing to lapses and intermittent coverage (MicronSure, 2023; Microinsurance: A tool for financial inclusion in rural India, 2025). Distribution and servicing in remote rural areas impose high transaction costs, and inadequate post-sales support can erode trust when claims are delayed or rejected (Ratna Kishore, 2013; WIEGO, 2020). Addressing these issues is critical if microinsurance is to fulfil its promise as a tool of meaningful financial inclusion rather than remain a nominal add-on to other services.

At the same time, microinsurance is increasingly situated within a rapidly digitising financial ecosystem, where data-driven and technology-enabled solutions are reshaping risk transfer models. Insurance industry analyses highlight how artificial intelligence (AI) and advanced analytics can support granular risk assessment, streamlined underwriting, and automated claims management, thereby lowering operational costs and enabling sustainable provision of small-ticket policies (The Academic, 2025; Bandhan Life, 2024). AI-enabled tools can help micro insurers segment customers, predict lapses, detect fraud, and personalise communication in ways that are difficult to achieve through traditional manual processes (RMA India, 2023; SAS, 2025). Parallel work on blockchain and smart contracts in the Indian insurance sector suggests that distributed ledger technologies can enhance transparency, create tamper-resistant records, and support parametric or index-based products with near real-time claims settlement—features that may be particularly valuable in low-trust environments and for vulnerable clients (PwC India, n.d.; Microinsurance Network, 2024).

The significance of this study lies in its attempt to integrate these strands—regulatory evolution, market growth, inclusion outcomes, and informatics-driven innovation—into a coherent analysis of microinsurance in India. For policymakers, evidence on how microinsurance interacts with schemes such as PMJDY, PMSBY, PMJJBY, and Pradhan Mantri Fasal Bima Yojana (PMFBY) can inform refinements in regulation, subsidy design, and public–private partnerships (Micro-Insurance

Innovations, 2024; IRDAI, 2022). For insurers and intermediaries, insights into client behaviour, trust dynamics, and technology use-cases can guide product design, distribution strategies, and investment in digital infrastructure that align commercial sustainability with social objectives (MicronSure, 2023; HashStudioz, 2024). From a development perspective, microinsurance is closely linked to India's pursuit of the Sustainable Development Goals (SDGs), particularly those related to poverty reduction, health, gender equality, decent work, and climate resilience (KD Publications, n.d.; Microinsurance as a tool for enhancing financial inclusion, 2024). Risk protection for low-income households supports these goals indirectly by preventing descents into chronic poverty aftershocks, enabling continuity of education and health-seeking behaviour, and sustaining livelihoods in agriculture and the informal economy (Women's World Banking, 2024; Micro-Insurance Innovations, 2024). By foregrounding the dual lens of financial inclusion and vulnerability reduction, and by incorporating the emerging role of AI and blockchain, this study positions microinsurance as a dynamic interface between social policy, financial markets, and digital innovation in contemporary India.

Methodologically, the study adopts a secondary research design that synthesises data and insights from IRDAI reports, government and quasi-government publications, industry and consultancy studies, and peer-reviewed academic literature on microinsurance, financial inclusion, and digital insurance solutions (IRDAI, 2022; Agrawal et al., 2020). Quantitative indicators on premiums, coverage, and penetration are read alongside qualitative analyses of product features, institutional arrangements, and client experiences documented in empirical studies and evaluations (Microinsurance as a tool for enhancing financial inclusion, 2024; Cole et al., 2012). This approach is particularly appropriate given the fragmented nature of microinsurance initiatives and the limited availability of consistent micro-level panel data on client outcomes in India (VNSGU Journal of Research and Innovation, 2022). The introduction thereby sets the conceptual and contextual foundation for the subsequent sections on literature review, methodology, results and discussion, implications, and conclusion.

2. LITERATURE REVIEW

Early literature frames microinsurance as a risk-management tool for low-income populations excluded from formal markets due to high costs and complex products (Platteau, 2017). Indian studies document steady growth in premiums and coverage, particularly life products, but note low penetration and uneven rural awareness (VNSGU Journal of Research and Innovation, 2022; Kumar, 2022). Empirical work highlights demand drivers like insurance literacy, income, and trust, alongside barriers such as affordability and claim delays (Uddin, 2017; Cheraga, 2024). Microinsurance aids financial inclusion by reducing vulnerability for rural households, women, and farmers, though health and crop lines lag (Microinsurance: A Tool for Financial Inclusion in Rural India, 2025; Women's World Banking, 2024).

Emerging research explores digital innovations like AI underwriting and blockchain claims, which promise cost reduction and transparency but require consumer safeguards (The Academic, 2025; PwC India, n.d.). Overall, the literature affirms microinsurance's potential for vulnerable groups while identifying literacy, distribution, and trust gaps as key constraints (Platteau, 2017; VNSGU Journal of Research and Innovation, 2022).

3. METHODOLOGY

This study employs secondary data analysis from IRDAI annual reports and Handbook on Insurance Statistics for microinsurance growth metrics (premiums, policies, lives covered) (IRDAI, 2022). Financial inclusion indicators draw from NABARD's NAFIS survey and NAFINDEX, alongside Women's World Banking's PMJDY-linked microinsurance data for vulnerable groups (NABARD, 2020; Women's World Banking, 2024).

Peer-reviewed studies and industry reports provide qualitative insights on demand drivers, challenges, and informatics strategies (Platteau, 2017; The Academic, 2025). Analysis involves descriptive trends, correlations with inclusion indices, and synthesis of case evidence on women, farmers, and rural clients. Limitations include reliance on aggregate data and absence of causal impact measures, addressed through triangulation.

Market Analysis

This section examines the empirical landscape of India's microinsurance sector using time-series data from IRDAI's Handbook on Indian Insurance Statistics and Annual Reports, alongside government scheme metrics. It quantifies growth trajectories, product penetration, and linkages to financial inclusion initiatives before transitioning to interpretive discussion. Data reveal robust expansion driven by regulatory nudges and PMJDY integration, though disparities persist across product lines and demographics.

Growth in Premiums and Coverage

Life microinsurance dominates the segment, reflecting its bundling with credit and savings schemes. New business premiums (NBP) in life microinsurance reached INR 10,860.39 crore (USD 1.31 billion) in FY2023-24, up 23.5% from INR 8,792.8 crore in FY2023—a milestone crossing INR 10,000 crore for the first time. Private insurers led with INR 10,708.4 crore (98.6% share), primarily via 469 group schemes covering 178.39 million lives, while LIC contributed INR 152 crore across 4,993 schemes. Agent networks expanded to 102,000 by FY24 end, with NGOs (4.49%), SHGs (0.25%), and MFIs (0.24%) playing niche roles alongside "others" (94.9%).

Market projections underscore sustained momentum. IMARC estimates the overall microinsurance market at USD 428.4 million in 2024, expanding to USD 1,693.3 million by 2033 (CAGR 15.67%), fueled by digital distribution and schemes like PMSBY/PMJJBY. Non-life microinsurance (health, accident, crop) lags but grows via government mandates, with rural/social sector obligations compelling 40-50% business allocation

Table 1: Life Microinsurance Growth (IRDAI FY23-24 data).

Fiscal Year	Life Micro NBP (INR Cr)	YoY Growth (%)	Lives Covered (Mn)	Agents (Nos)
FY2022	~7,500 (est.)	18.2	150	85,000
FY2023	8,792.8	17.2	165	92,000
FY2024	10,860.39	23.5	178.39	102,000

PMJDY-Linked Scheme Penetration

Pradhan Mantri Jan Dhan Yojana (PMJDY) anchors microinsurance outreach, with 53.13 crore accounts (55.6% women, 66.6% rural/semi-urban) and INR 2,31,236 crore deposits as of August 2024. Linked schemes show high uptake:

- PMSBY (Accident Insurance, INR 2 lakh cover, INR 20 annual premium): 47.59 crore enrolments; 1,93,964 claims (INR 2,994.75 crore processed). Penetration ~66-68% among PMJDY holders per GIC surveys.
- PMJJBY (Life Insurance, INR 2 lakh cover, INR 436 annual premium): 21.67-22.52 crore enrolments; 8.60 lakh claims (INR 17,211-17,600 crore).

Women's World Banking surveyed 912 rural PMJDY women: 68% held PMSBY, 65% PMJJBY, citing auto-debit ease and agent trust. Claims settlement: PMJJBY at ~96% (9.05 lakh of 9.37 lakh).

Table 2: PMJDY Scheme Coverage (Oct 2024).

Scheme	Enrolments (Cr)	Claims Filed (Lakh)	Claims Paid (INR Cr)	Women Share (%)
PMSBY	47.59	1.94	2,994.75	55.6
PMJJBY	21.67	8.61	17,211.50	55.6

Product Mix and Vulnerable Group Outreach

Life products comprise ~85-90% of microinsurance portfolios, with group policies (credit-linked) at 98% of FY24 NBP. Non-life trails: health/crop microinsurance grows via PMFBY (crop) and RSBY extensions, but penetration <10% rural households. Vulnerable segments:

- Rural/Low-Income: 22% rural life coverage vs. 73% urban; NAFINDEX shows insurance as weakest inclusion pillar (score 0.45).
- Women/Smallholders: 55.6% PMJDY women insured; SHGs/MFIs cover 5-10% farmers via livestock/crop pilots.
- Agents for Outreach: 102k agents, but rural servicing gaps persist (lapse rates 30-40%).

Table 3 : Microinsurance Product Composition (FY24 est.).

Product Line	FY24 NBP Share (%)	Target Group Penetration	Key Challenge
Life	**85-90**	**178 Mn lives**	**Lapses (30%)**
Health	**5-8**	**<10% rural**	**Awareness**
Accident	**5-7**	**47 Cr (PMSBY)**	**Claim delays**
Crop/Livestock	**<5**	**5-10% smallholders**	**Basis risk**

Regional and Insurer Disparities

Private insurers captured 98.6% life micro NBP (INR 10,708 Cr), leveraging group schemes; LIC focuses individual (23.78% YoY drop). State-wise, Uttar Pradesh/Bihar lead enrolments (PMJDY density), but claim ratios vary: southern states >90%, northern <70%. Insurance density rose to 95 (2023-24), penetration 3.7% GDP, but rural gap: 22% vs. urban 73% life coverage.

Table 4: Insurer Performance FY24.

Insurer Type	FY24 NBP (INR Cr)	Schemes	Lives Covered (Mn)
Private	**10,708**	**469**	**178**
LIC (Public)	**152**	**4,993**	**<1**

Linkages to Financial Inclusion Metrics

NAFINDEX correlates microinsurance with inclusion: states with >20% scheme penetration score 0.55+ on insurance pillar (vs. national 0.45). PMJDY linkage boosted insurance from 3.7% penetration (FY20) to ~15-18% FI accounts insured. Women: 29.56 Cr PMJDY accounts yield 65-68% microinsurance uptake, reducing vulnerability (survey: 70% report "peace of mind").

Digital enablers: UPI/auto-debit cut lapses 15-20%; Aadhaar-eKYC covers 90% enrolments. Yet gaps: 87% life protection gap (26-35 age), 75% uninsured middle-income.

This market snapshot INR 10.8k Cr NBP, 178 Mn lives, 47+ Cr PMSBY—positions microinsurance as inclusion engine, but non-life/rural depth lags. These trends inform the subsequent discussion on vulnerability mitigation, challenges, and informatics pathways.

4. RESULTS AND DISCUSSION

The market assessments indicate that India's microinsurance segment has transitioned from a marginal niche to a meaningful contributor within the broader insurance ecosystem, with strong forward-looking growth expectations. IMARC Group estimates that the India microinsurance market reached about USD 428.4 million in 2024 and is projected to grow to approximately USD 1.69 billion by 2033, implying a compound annual growth rate of roughly 15.7 per cent between 2025 and 2033 (IMARC Group, 2023). Complementary forecasts by other industry analysts similarly describe "robust" expansion driven by rising awareness, technology-enabled distribution, and pro-inclusion regulation, even though they differ in absolute size and CAGR estimates due to definitional and methodological variations (Market Research Future, 2025). These projections suggest that microinsurance is likely to remain a dynamic growth segment, particularly as insurers and policymakers target low-income and underserved groups in pursuit of universal insurance coverage.

Recent regulatory and industry data confirm that growth is not merely theoretical but reflected in concrete premium flows and outreach metrics. One industry report drawing on the FY 2023–24 IRDAI Annual Report notes that new business premium in the life microinsurance segment, which explicitly targets low-income groups, crossed about USD 1.12 billion (roughly INR 10,000 crore) for the first time, and rose to about USD 1.31 billion (INR 10,860 crore) in FY 2024, representing a year-on-year increase of around 23.5 per cent (Marketsandata, 2022). Sectoral analysis also highlights product diversification beyond traditional credit-linked life covers to health, personal accident, and agriculture-related microinsurance, although life products still dominate overall portfolios (PwC–AMFI, 2017). At the same time, rural and low-income penetration remains modest relative to overall insurance density, reflecting both the achievements and the distance yet to travel in embedding microinsurance as a routine risk-management tool for vulnerable populations.

Microinsurance's contribution to financial inclusion becomes clearer when viewed alongside government social security and financial inclusion initiatives. The General Insurance Council reports that India's push for "Insurance for All by 2047" is being propelled by rapid adoption of micro-policies under the Jan Suraksha schemes linked to PMJDY, with a study showing that by April 2023 roughly 66.8 per cent of PMJDY basic savings account holders had opted for accident insurance, about 31 per cent for life insurance, and around 10 per cent for micro-pensions (General Insurance Council, 2024). A related media synthesis notes that as of May 2024 some 523 million PMJDY accounts had been opened, 55.6 per cent of them held by women, and that a large majority of women with very low annual incomes were enrolled in at least one insurance scheme (The Economic Times, 2024). Together, these figures suggest that microinsurance often bundled with no-frills accounts has significantly extended basic risk protection to previously unserved low-income clients, especially women and rural households, thereby complementing access to savings and payments with a safety net against shocks.

Microinsurance's role in mitigating vulnerability is further illustrated by evidence on women's adoption and perceived benefits. A recent survey of 912 rural women Jan Dhan customers in four Indian states finds high participation in accident and life microinsurance schemes, with many respondents reporting that these covers provide psychological security and reduce fear of catastrophic expenses (Women's World Banking, 2024). The same study notes that ease of enrolment through banking agents, low premiums auto-debited from PMJDY accounts, and simple product structures are key drivers of take-up, even among women earning less than INR 25,000 per year (General Insurance Council, 2024). These findings underscore how design elements such as frictionless onboarding, affordable periodic premiums, and trusted local channels can convert microinsurance from a theoretical offering into a practical instrument of resilience and empowerment for vulnerable groups.

At the same time, the literature and industry analyses emphasise persistent challenges that limit the transformative potential of microinsurance in India. Studies point out that awareness of policy features, claim procedures, and grievance redressal mechanisms remains low, particularly in rural and low-literacy contexts, which can result in under-utilisation or disappointment when claims are rejected (National Insurance Academy, 2020). Affordability continues to be a constraint despite low premiums, because irregular cash flows and competing expenditure priorities make it difficult for households to maintain continuous coverage, leading to lapses and churning (PwC–AMFI, 2017). Insurers, for their part, face high acquisition and servicing costs in remote areas, and some have historically treated microinsurance as a compliance or CSR-driven activity rather than a strategically integrated line of business, which can curb investment in product innovation and client-centric processes (NIAPune, 2020). Addressing these structural issues is essential if microinsurance is to deliver sustained risk protection rather than episodic or paper-based coverage.

Emerging informatics-driven strategies offer promising avenues to tackle some of these frictions in product design, distribution, and servicing. AI-enabled underwriting and risk scoring are increasingly used in the broader Indian insurance sector to segment customers, predict risk, and automate decision-making, which can lower administrative costs and make small-ticket products more viable at scale (The Academic, 2025). Similarly, digital platforms that integrate mobile banking, e-KYC, and instant payments enable real-time premium collection and claims disbursement, reducing transaction costs and improving customer experience, particularly for clients who live far from physical branches (India Insurance Perspective, 2017). Parallel developments in blockchain and smart contracts show potential for tamper-proof policy and claims records, parametric payouts linked to predefined triggers (such as weather indices), and transparent audit trails, which could be highly relevant for crop and disaster-related microinsurance targeting small and marginal farmers (PwC India, n.d.). While these technologies are still in early stages of application to microinsurance, they point towards models where inclusive insurance for vulnerable groups can be both operationally sustainable and trusted by clients.

Implications and contribution

The findings on rapid market growth, expanding PMJDY-linked coverage, and rising participation of women and rural households indicate that microinsurance is moving from the periphery to the centre of India's financial inclusion landscape, with important implications for policy design and regulatory strategy (UNDP Insurance and Risk Finance Facility [IRFF], 2024). By providing low-income households with formal, rules-based protection against health, life, and livelihood shocks, microinsurance helps stabilise consumption, safeguard productive assets, and reduce the need for high-cost informal borrowing, thereby supporting the resilience objectives articulated in India's National Strategy for Financial Inclusion and in global financial inclusion frameworks (World Bank, 2014). In this sense, the study reinforces international evidence that insurance is not a peripheral add-on but a core element of inclusive finance, alongside savings, credit, and payments (The Geneva Association, 2025).

From a developmental perspective, the analysis situates Indian microinsurance squarely within the Sustainable Development Goals (SDGs), particularly SDG 1 (no poverty), SDG 3 (good health and well-being), SDG 5 (gender equality), SDG 8 (decent work and economic growth), and SDG 13 (climate action). Inclusive insurance and disaster risk-finance diagnostics for India emphasise that appropriately designed microinsurance products can reduce vulnerability to climate-related hazards, facilitate faster recovery, and protect hard-won development gains, especially for poor and marginalised communities (UNDP IRFF, 2024). By highlighting how microinsurance interacts with PMJDY, women's financial inclusion, and rural risk profiles, this study contributes context-specific evidence to global debates on how insurance can operationalise SDG-aligned risk-management strategies in emerging economies (The Geneva Association, 2025).

The study also contributes to policy discourse by foregrounding the need to move from a purely volume-driven approach—measured in policies sold or premium collected—to a "value for clients" approach that prioritises suitability, transparency, and timely claims (World Bank, 2014). Evidence of low awareness and complex claims procedures suggests that regulatory and programme designers should place greater emphasis on simple, standardised products, mandatory disclosure norms in local languages, and robust grievance-redressal mechanisms that are accessible to low-literacy clients (UNDP IRFF, 2024). In addition, inclusive insurance diagnostics recommend embedding insurance literacy within national financial education strategies, which in India implies closer coordination between IRDAI, the Reserve Bank of India, NABARD, and state-level institutions responsible for rural outreach (UNDP IRFF, 2024; World Bank, 2014). The study's synthesis of evidence on literacy, trust, and usage thus offers a basis for refining India's "Insurance for All by 2047" roadmap to better serve vulnerable populations.

For industry practitioners and microfinance institutions, the findings underline the strategic importance of integrating microinsurance into broader inclusive finance and microfinance models. Reports on the future of microfinance in India argue that lenders will increasingly need to "unbundle" mono-product models and offer a diversified suite of services—including savings, credit, payments, and microinsurance—delivered through digitally enabled, customer-centric platforms (PwC, 2017; PwC, 2019). By showing how technology-enabled microinsurance can complement microcredit and savings in managing client risk and improving portfolio quality, this study offers conceptual support for MFIs and small finance banks to treat microinsurance as a core line of business rather than an ancillary add-on. Informatics-driven approaches such as AI-based risk scoring, mobile-first distribution, and blockchain-enabled claims transparency can help reconcile the tension between low premiums, high service expectations, and the need for operational sustainability in low-income markets (Blockchain Magazine, 2024).

Finally, the study contributes to academic debates by explicitly linking microinsurance, financial inclusion, and informatics in the Indian context, an intersection that remains under-explored in existing literature. Global and Indian analyses of inclusive insurance emphasise three pillars for closing the protection gap: commercial innovation, supportive regulation, and targeted public policy (The Geneva Association, 2025). By bringing together market data, inclusion metrics, and technology-oriented evidence, this research illustrates how these pillars play out in a large emerging economy and identifies areas for future empirical work such as rigorous impact evaluations of AI-enabled microinsurance models, gender-disaggregated analyses of claim outcomes, and longitudinal studies of resilience among insured versus uninsured vulnerable households (UNDP IRFF, 2024; World Bank, 2014). These contributions position the study as a bridge between normative policy frameworks on inclusive insurance and the practical realities of scaling microinsurance for India's most vulnerable populations.

Legal framework and regulator

The primary legal foundation for microinsurance is the Insurance Act, 1938, read with the Insurance Regulatory and Development Authority Act, 1999, which established the Insurance Regulatory and Development Authority of India (IRDAI) as the sector regulator with a mandate to protect policyholders' interests and promote orderly growth of the insurance industry (ICLG, 2025). Section 14 of the IRDAI Act vests the Authority with powers to regulate, promote, and ensure orderly growth of the insurance business and to frame regulations on matters such as product approval, solvency, distribution, and consumer protection, which directly affect microinsurance. Pursuant to these powers, IRDAI issued the Insurance Regulatory and Development Authority (Micro Insurance) Regulations, 2005, later superseded by the IRDAI (Micro Insurance) Regulations, 2015, which define "micro insurance products," prescribe eligibility criteria for target groups, lay down product parameters for life and general microinsurance, and regulate the appointment and functions of microinsurance agents (IRDAI, 2015).

The 2015 Micro Insurance Regulations require every insurer to ensure that all transactions in microinsurance business comply with the Insurance Act as amended, and they mandate that microinsurance products be simple, with clearly worded policy documents, capped sum assured, and flexible premium payment options suitable for low-income policyholders (IRDAI, 2015). The regulations also permit a wider range of distribution partners including NGOs, microfinance institutions, self-help groups, and cooperative societies to act as microinsurance agents, subject to licensing and conduct requirements, thereby recognising the importance of local intermediaries in reaching vulnerable populations. In parallel, IRDAI's broader regulatory framework such as the Protection of Policyholders' Interests Regulations, corporate governance guidelines, and circulars on financial inclusion and rural/social sector obligations—shapes how insurers design, market, and service microinsurance policies, including obligations to service a specified percentage of business in rural and social sectors (ICLG, 2025).

IRDAI's role has repeatedly come under judicial scrutiny, reinforcing its position as both a prudential regulator and a protector of policyholders. In a 2023 decision, the Supreme Court considered an appeal arising from an order of the Securities Appellate Tribunal that had set aside IRDAI's dismissal of a complaint relating to alleged bribery in reinsurance placement; the Court eventually restored IRDAI's order, underscoring the Authority's discretion in fact-intensive regulatory matters and clarifying the limits of appellate interference with its decisions (Supreme Court of India, 2023). In another line of cases, courts have examined IRDAI's powers under Section 14(2) of the IRDAI Act to intervene in issues of misconduct, unfair trade practices, and market conduct, affirming that its functions extend beyond mere licensing to proactive market supervision (Clyde & Co., 2022). These rulings signal judicial support for a robust, interventionist regulatory approach that is crucial for maintaining trust in microinsurance targeted at financially unsophisticated consumers.

Landmark rulings on insurance and consumer protection

While there are no Supreme Court decisions exclusively on microinsurance schemes, a series of landmark insurance and consumer-protection rulings establish principles that directly influence microinsurance contracts and claim handling. The Court has consistently emphasised that insurance contracts are contracts of *"uberrimae fidei"* (utmost good faith), imposing reciprocal duties of disclosure and fairness on both insurer and insured; in several recent cases dealing with repudiation of life and health claims, the Court has held that material suppression by the insured can justify repudiation, but also that insurers must clearly prove such suppression and cannot rely on ambiguous proposal forms or undisclosed terms (Clyde & Co., 2022). In decisions addressing non-supply or obscurity of policy terms, the Court has applied the contra proferentem rule—interpreting ambiguous clauses against the drafter and has required insurers to demonstrate that policyholders were made aware of exclusions and conditions, thereby reinforcing the duty to draft simple, transparent microinsurance contracts for low-literacy clients (SecureNow, 2024).

Consumer-protection jurisprudence has also strengthened the position of beneficiaries and nominees under insurance policies. In a notable decision, the Supreme Court held that beneficiaries of an insurance policy qualify as "consumers" under the Consumer Protection Act even if they did not themselves pay the consideration, enabling them to file complaints for deficiency in service against insurers and intermediaries (Manupatra, 2020). National and State Consumer Commissions, whose reasoning has been endorsed in several Supreme Court appeals, have repeatedly castigated insurers for arbitrary claim repudiation, prolonged delays, and unfair trade practices, and have directed payment of sums assured along with interest and compensation where deficiency in service is established (HealthInsuranceIndia.org, 2012). These decisions are especially relevant for microinsurance, where individual claim amounts are small but the impact on low-income households is substantial, and they underscore that microinsurance clients enjoy the same procedural and substantive protections as other insurance consumers.

Finally, the Supreme Court has begun to link insurance coverage more explicitly with public-interest concerns about financial security and road safety, which has indirect implications for microinsurance. In a recent motor-insurance matter, the Court noted that nearly half of India's vehicles were uninsured and asked IRDAI and general insurers to consider uniform policy structures and enforcement mechanisms to improve coverage, including potentially coercive measures to reduce non-compliance (LiveLaw/Moneycontrol, 2025). Though focused on motor insurance, such directions reflect a judicial expectation that regulators and insurers proactively close protection gaps and design products that are easily understood and widely adopted. The normative thrust of these decisions—that insurance is integral to citizens' financial security and that regulators must act to prevent systemic under-insurance—supports an expansive, inclusion-oriented interpretation of IRDAI's mandate in the microinsurance domain as well.

Strengthening legal protections and delivery mechanisms for microinsurance

Beyond primary legislation and IRDAI's microinsurance regulations, a broader legal and institutional architecture governs how low-income policyholders access products, enforce rights, and resolve disputes. The IRDAI (Micro Insurance) Regulations, 2015 lay down detailed obligations on microinsurance agents, including that they may distribute only microinsurance products, must undergo due diligence by insurers, and can work with a limited number of life, general, agriculture, and standalone health insurers, reflecting the regulator's concern with agent suitability and conflict-free advice (IRDAI, 2015; Enterslice, 2020). Insurers must file microinsurance products under the "file-and-use" procedure, label them clearly as "Micro Insurance Product," and issue policy contracts in a language recognised by the Constitution of India, thereby legally requiring linguistic accessibility for low-literacy clients (IRDAI, 2015). The regulations further stipulate that microinsurance policies sold in rural or social sectors can be counted towards both rural and social obligations, creating statutory incentives for insurers to serve vulnerable populations while meeting regulatory targets (IRDAI, 2015).

Grievance redressal for microinsurance policyholders is anchored in IRDAI's Protection of Policyholders' Interests Regulations and the Insurance Ombudsman framework, which together provide low-cost, quasi-judicial remedies. Under the Insurance Ombudsman Rules, 2017 (as amended), any aggrieved policyholder, nominee, legal heir, or even a micro-enterprise covered by a policy may file a complaint related to delay or repudiation of claims, premium disputes, misrepresentation of terms, non-issuance of policies after premium payment, or non-adherence to IRDAI regulations, among others (Insurance Ombudsman Rules, 2017). The Ombudsman functions as a mediator and, if mediation fails, can issue a binding award up to the actual loss or INR 50 lakh, with a statutory expectation that cases be decided within three months of receiving all requirements, which is particularly crucial for microinsurance clients facing urgent liquidity needs after shocks (Insurance Ombudsman, 2025). In parallel, IRDAI requires insurers to maintain internal grievance machinery and to submit quarterly reports on complaints against microinsurance agents, with the Authority empowered to inspect agents' records and enforce corrective action, thus reinforcing accountability across the distribution chain (IRDAI, 2015; Enterslice, 2020).

Legal and regulatory design also intersects with evolving distribution models, where policy and supervisory choices can either facilitate or hinder inclusive outreach. Global and Indian analyses show that microinsurance distribution has moved from traditional agents and MFIs to a mix of community-based organisations, utility providers, post offices, digital platforms, and B2B2C partnerships, raising regulatory questions about licensing, conduct of business, data protection, and oversight of non-traditional intermediaries (RGA, 2019; Microinsurance Network, 2024). The Indian legal framework accommodates this evolution by allowing multiple categories of intermediaries—corporate agents, brokers, web aggregators, and microinsurance agents—but also demands compliance with IRDAI codes of conduct and fit-and-proper criteria, which are essential to protect vulnerable clients from mis-selling and opaque bundling of products (CAalley, 2020). International landscape reports underline that effective, inclusive microinsurance requires a "partnership" model in which regulators, insurers, distributors, and consumer advocates share responsibility for aligning product design, cost, and service quality with the needs and capabilities of low-income customers (Microinsurance Network, 2024; Landscape of Microinsurance, 2024). The Indian legal and regulatory framework, through a combination of primary statutes, IRDAI regulations, and Ombudsman-based dispute resolution, thus provides a structured, progressively evolving foundation for scaling microinsurance in a manner that is both commercially viable and protective of vulnerable policyholders.:**.**

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