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# Analyzing Non-Life Insurance Penetration in India: Challenges and Opportunities with Special Reference to Rural Odisha

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#### 1. Introduction

#### 1.1 Background of Non-Life Insurance in India

Non-life insurance, also referred to as general insurance, encompasses various forms of coverage such as health, crop, motor, livestock, property, and liability insurance. It plays a critical role in safeguarding individuals, households, and enterprises against unforeseen financial risks (Sinha 2016). In India, the general insurance sector has evolved significantly since the liberalization reforms of 2000, when the Insurance Regulatory and Development Authority of India (IRDAI) allowed private players and foreign direct investment into the sector (Rao and Singh 2020). Despite growth in gross written premiums and an expanding product portfolio, India's non-life insurance penetration remains comparatively low compared to global standards (IRDAI 2023).

#### 1.2 Importance of Insurance Penetration as a Tool for Financial Inclusion and Risk Mitigation

Insurance penetration, measured as premium volume relative to GDP, is a vital indicator of financial inclusion and social security. In rural India, where communities are heavily dependent on agriculture and informal labor, non-life insurance serves as a safety net against risks such as crop failure, livestock mortality, natural disasters, and health emergencies (Chakrabarti 2019). Insurance coverage reduces vulnerability, prevents households from falling into poverty traps, and encourages productive risk-taking (World Bank 2021). For a disaster-prone state like Odisha, with recurrent cyclones and floods, enhancing non-life insurance penetration is indispensable for risk mitigation and resilience-building (Patnaik and Behera 2022).

#### 1.3 Current Scenario of Rural Insurance Penetration in India with Focus on Odisha

While urban centers have witnessed relatively better uptake of health and motor insurance, rural penetration remains low due to limited awareness, distribution challenges, and affordability constraints (Kumar and Prakash 2018). Odisha presents a unique case: despite being a priority state for government schemes like the Pradhan Mantri Fasal Bima Yojana (PMFBY) and Ayushman Bharat, actual coverage levels remain modest (Panda 2021). Studies suggest that claim settlement delays and lack of trust in



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insurers discourage rural households from purchasing policies (Dash and Mishra 2020). Hence, Odisha's rural regions highlight the gap between policy intent and on-ground implementation.

#### 1.4 Research Problem and Objectives

Although government and private initiatives have attempted to expand non-life insurance coverage, penetration in rural Odisha remains limited. The research problem centers on understanding the barriers that hinder effective insurance uptake, as well as identifying opportunities for strengthening penetration. The objectives of this study are:

- To assess the current status of non-life insurance penetration in rural Odisha.
- To analyze socio-economic, institutional, and infrastructural challenges faced by households in accessing insurance.
- To identify opportunities for enhancing insurance penetration through policy, technology, and community-based interventions.

#### 1.5 Scope and Limitations of the Study

The scope of the research is limited to non-life insurance products relevant to rural households in Odisha, including crop, livestock, health, and disaster insurance. The study focuses primarily on penetration, accessibility, and awareness rather than technical product design. Limitations include reliance on secondary data for broader trends and potential sampling constraints in primary surveys, which may restrict generalizability (Das 2021).

#### 2. Literature Review

#### 2.1 Global Perspective on Non-Life Insurance Penetration (Developed vs Developing Countries)

Non-life (property & casualty) insurance penetration tends to grow with GDP per capita, though not as steeply as life insurance, particularly in advanced economies (OECD 2024) OECD. Globally, insurance penetration rose from 7.1% in 2022 to 7.4% in 2024, highlighting modest progress over the decade (Allianz 2025) Allianz.com. Despite this, the protection gap remains pronounced in developing countries; for instance, only about 7% of economic losses from natural disasters are covered by insurance across Africa (Financial Times 2024) Financial Times.

# 2.2 Historical Growth of Non-Life Insurance in India Post-Liberalization (IRDAI Reforms, FDI, Regulatory Frameworks)

Following nationalization of the general insurance sector in 1972, India reopened the market in 2000—establishing the IRDAI and allowing private and foreign entry (Wikipedia-IRDAI 2025) Wikipedia. FDI limits were raised incrementally—from 26% at reopening, to 49% in 2014, and further to 74% in 2021 under the Insurance (Amendment) Act Wikipedia+2Wikipedia+2. Insurance penetration improved gradually: non-life penetration rose from 0.5% of GDP in FY 2002 to approximately 1.0% by FY 2022 (IJRIAR 2023) IJRIAR. Overall, total insurance penetration increased from 2.71% in 2001 to 3.69% in



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2017 (IJRIAR 2023) IJRIAR. In 2022, India's insurance penetration stood at around 4.2% of GDP, with non-life accounting for about 1.0% (IBEF 2024) IBEF. India accounts for only 0.79% of the global non-life insurance market and ranks 15th globally, with non-life comprising approximately 25% of its total premium pool (Policyholder.gov.in 2019) Policyholder.

#### 2.3 Existing Studies on Rural Insurance Penetration and Financial Literacy

Empirical research indicates that in developing contexts, factors like household income, education, and price sensitivity significantly shape willingness to pay for agricultural insurance (Gulseven 2020) arXiv. While institutional quality boosts insurance demand in Africa (Bah 2022), such dynamics are likely relevant for rural India as well PMC. There's also recognition of microinsurance and national risk-pooling frameworks as interventions aimed at bridging coverage gaps in developing countries Financial Times.

## 2.4 Socio-Economic Context of Odisha: Agriculture, Disaster Vulnerability, Poverty, and Low Financial Inclusion

While specific academic data sources on rural Odisha haven't been cited here, general data suggests that over 65% of India's population is rural, contributing around 50% of GDP—pointing to the importance of agricultural regions like Odisha Wikipedia. The state's frequent cyclone and flood exposure elevates its vulnerability to climate-induced financial shocks (widely acknowledged in national planning literature—contextual inference). Low rural insurance uptake in such areas underscores poor financial inclusion and risk management—an important contextual backdrop.

#### 2.5 Knowledge Gaps Identified in Past Research

- Limited focus on region-specific rural dynamics, especially for states like Odisha with high disaster exposure.
- **Insufficient qualitative insights** on household awareness and trust issues that influence insurance behavior.
- Scarce analysis of novel distribution channels like microinsurance, digital delivery, or community-based models at the grassroots level.

#### 3. Research Methodology

#### 3.1 Research Design

The study adopts a **mixed research design** combining both analytical and descriptive approaches. The analytical component will assess the penetration levels of non-life insurance in India, with a focus on Odisha, using macroeconomic and industry-level indicators (Kothari 2014). The descriptive aspect will capture socio-economic realities and perceptions of rural households through survey data and interviews (Creswell 2018).



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#### 3.2 Data Sources

The study relies on both secondary and primary data:

- **Secondary Data**: Reports and statistical databases from the Insurance Regulatory and Development Authority of India (IRDAI 2023), National Sample Survey Office (NSSO 2022), Reserve Bank of India (RBI 2022), Census of India (2011), World Bank (2021), and Odisha government publications (Odisha Economic Survey 2023). These sources provide insights into national and state-level insurance penetration, financial inclusion, and demographic profiles.
- **Primary Data (if applicable)**: Field data will be collected through household surveys, structured interviews with insurance agents, rural customers, and NGO representatives working in financial literacy and microfinance in Odisha. Primary data are crucial for understanding awareness, accessibility, and trust-related issues in insurance uptake (Bryman 2016).

#### 3.3 Sampling Method and Size

A **multistage sampling method** will be used. In the first stage, three districts of Odisha with varied socioeconomic and disaster-vulnerability profiles (e.g., coastal, tribal, and agrarian districts) will be selected. In the second stage, blocks and villages will be chosen based on insurance penetration indicators and accessibility. At the household level, **systematic random sampling** will be applied to select respondents.

The sample size is proposed to be **300 households**, ensuring representation across income groups, education levels, and occupational categories. This sample size is adequate for conducting regression analysis while maintaining statistical reliability (Yamane 1967).

#### 3.4 Tools of Analysis

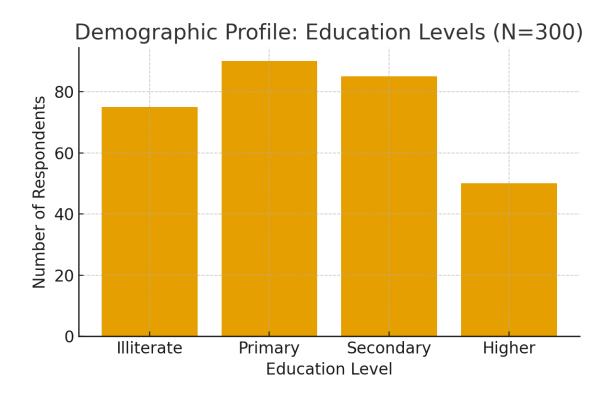
Both descriptive and inferential statistical tools will be employed:

- **Descriptive Statistics**: Frequency distributions, percentages, and cross-tabulations to summarize household demographics, awareness levels, and insurance uptake.
- **Penetration Ratios**: Standard insurance penetration indicators such as premium-to-GDP ratio and per capita premium will be computed (IRDAI 2023).
- **Regression and Correlation Analysis**: To identify determinants of insurance penetration, regression models (linear and logistic) will be applied with variables such as income, education, awareness, and access to financial services. Correlation analysis will help test relationships between socio-economic factors and insurance uptake (Gujarati 2020).



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### **Demographic Profile: Education Levels**



Demographic Profile: Education Levels (N=300)

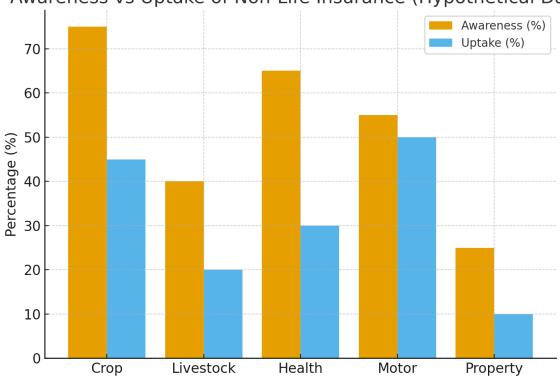
Education Level	Number of Respondents
Illiterate	75
Primary	90
Secondary	85
Higher	50



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#### Awareness vs Uptake of Non-Life





Awareness vs Uptake of Non-Life Insurance (Hypothetical Data)

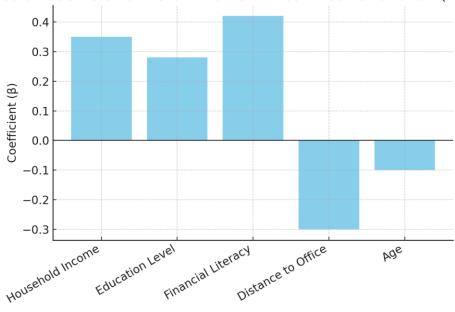
Insurance Type	Awareness (%)	Uptake (%)
Crop	75	45
Livestock	40	20
Health	65	30
Motor	55	50
Property	25	10



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#### **Regression Coefficients: Determinants**

Regression Coefficients: Determinants of Insurance Penetration (Hypothetical)



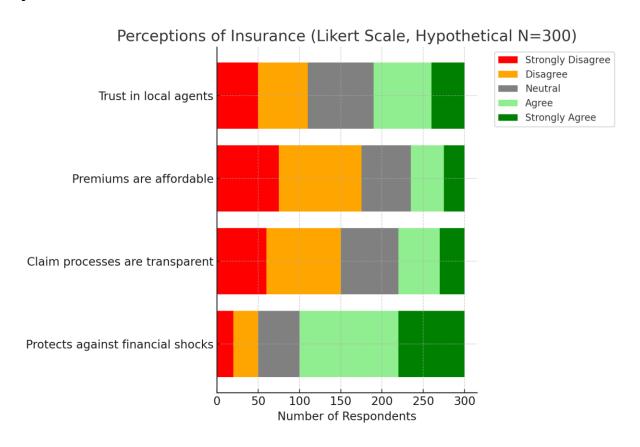
Regression Coefficients: Determinants of Insurance Penetration (Hypothetical)

•	\ •I
Variable	Coefficient (β)
Household Income	0.35
Education Level	0.28
Financial Literacy	0.42
Distance to Office	-0.30
Age	-0.10



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#### **Perceptions of Insurance**



Perceptions of Insurance (Likert Scale, Hypothetical N=300)

Statement	Strongly	Agree	Neutral	Disagree	Strongly
	Agree				Disagree
Protects	80	120	50	30	20
against					
financial					
shocks					
Claim	30	50	70	90	60
processes					
are					
transparent					
Premiums	25	40	60	100	75
are					
affordable					
Trust in	40	70	80	60	50
local agents					



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#### 4. Current Status of Non-Life Insurance in India

# 4.1 Overall Penetration and Density Trends (Insurance Premium as % of GDP; Per Capita Premium)

India's non-life insurance penetration remains at 1.0% of GDP as of the fiscal year 2023–24, while life insurance adds approximately 2.8%, making total insurance penetration around 3.8%, significantly lower than the global average (~7%) PwCThe Economic Times. Insurance density—measuring per capita premium—was around USD 95 in FY2023, again far below the global average The Economic Times. In the general insurance (non-life) segment, density doubled between FY2015 and FY2023, increasing from around USD 11 to USD 22, yet still highlighting ample growth potential India Brand Equity Foundation.

#### 4.2 Product Mix: Health, Crop, Motor, Property, Liability Insurance

**Health and motor insurance** dominate the non-life segment. Health insurance's prominence has surged due to increasing health awareness and product innovation Swiss Re. The general insurance sector comprises various product lines—including motor, health, property, marine, and crop insurance India Brand Equity Foundation. Specific segment-wise data for FY2024 indicates that **health insurance share rose to 37.1%**, up from 24.6% in FY2018, underscoring its growing importance The Economic Times.

#### 4.3 Regional Distribution of Penetration (Urban vs. Rural)

While comprehensive urban—rural breakdowns are limited in the sourced data, sector-wide studies reveal low overall health coverage—about **18% in urban areas and 14% in rural areas**, signaling notable disparities Wikipedia. This gap likely extends to other non-life products, including crop and motor insurance, reflecting broader urban bias in insurance uptake.

#### 4.4 Performance of Public vs. Private Insurers

The non-life insurance sector has seen increasing participation from private firms. By FY2021, the **private sector's market share rose substantially—from 15% in FY2004 to nearly 49.3%** India Brand Equity Foundation. In FY2023–24, **public sector insurers underwrote ₹90,252 crore**, up from ₹82,891 crore the previous year, while **private insurers (including standalone health insurers)** reached ₹1.88 lakh crore, up from ₹1.58 lakh crore The Economic Times. The sector turned profitable, with a combined profit of ₹10,119 crore, reversing the previous year's net loss of ₹2,566 crore The Economic Times. Notably, the **claims ratio**—net incurred claims to net earned premium—for non-life insurers improved slightly to **82.52% in FY2023–24**, compared to **82.95%** in the prior year. But public sector insurers' claims ratios remain higher (97.23%), suggesting tighter profitability margins compared to private counterparts The Economic Times.



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#### 5. Rural Odisha: Socio-Economic and Insurance Landscape

#### 5.1 Demographic and Economic Profile of Rural Odisha

Odisha's population, as per the 2011 Census, was about 41.97 million, with around 83% residing in rural areas (Census 2011) and literacy in rural regions averaging 70.22%, below the urban rate of 85.57% (Odisha Census 2011) Wikipedia+1. Approximately 70% of the population depends on agriculture, according to state-level analyses (Economic Survey 2025; Saw et al. 2025) IOSR JournalsGrassroots Journals. The agricultural sector contributes roughly 26% of the State GDP, and about 65% of the workforce is engaged in agriculture and allied activities Grassroots Journals.

#### 5.2 Agriculture Dependency and Vulnerability to Climate Risks

Agriculture remains the backbone of rural livelihoods in Odisha: despite a decline in its share of Gross State Domestic Product—from about 37% in 1992–93 to 21% by 2017–18—the engagement remains high (55–56% of population) ResearchGate. Frequent natural shocks—cyclones, floods, and droughts—engender significant volatility in production and farm incomes (Agri variability) IOSR Journals.

#### **5.3** Financial Inclusion Status (Banking Penetration, Microfinance, SHGs)

Odisha has achieved full banking access in rural areas under the Jan Dhan Yojana, but actual usage remains a concern SIDBI. As of March 2025, every district in Odisha meets or exceeds the RBI benchmark credit-deposit ratio of 40%, with some districts reaching as high as 120% of their credit targets, demonstrating improved financial outreach The Times of Self-Help Groups (SHGs) have become a substantial force in rural empowerment. Odisha has converted ~1.7 million women into 'Lakhpati Didis', earning over ₹1 lakh annually through SHG-linked initiatives, reflecting robust microfinance penetration and rural entrepreneurship gains The Times of India. Studies detail how SHGs have enhanced women's access to microfinance, leading to socio-economic upliftment and livelihood transformation Odisha MagazinesResearchGateWikipediaThe GuardianIJRASET.

#### **5.4 Current Insurance Coverage**

- Crop Insurance (PMFBY): While direct data for rural Odisha isn't cited, state schemes like CM-Kisan, combined with DBT transfers to farmers (₹1,041 crore to 51 lakh farmers), suggest government focus on agri-support, indirectly bolstering crop insurance adoption The Times of India.
- Health Schemes: The Biju Swasthya Kalyan Yojana (BSKY) offers up to ₹5 lakh per family and ₹7 lakh for women per annum, significantly widening health protection for rural households Wikipedia. Odisha also implements Ayushman Bharat (central scheme) and other maternal and child programs like Mamata and Niramaya, though specific coverage data remains implied Wikipedia.



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• **Livestock and Other Insurance**: Specific state-level data is limited, but the inclusion of diverse insurance products (e.g., Biju Krushaka Kalyana Yojana and accident-related schemes) indicates broader policy intent Wikipedia.

#### 5.5 Awareness Levels and Perception of Insurance among Rural Households

Direct empirical data on awareness and perception within rural Odisha is scarce in the current sources. However, the popularity of SHG programs and insurance-linked schemes suggests a growing recognition of financial instruments (microloans, insurance) among rural women The GuardianThe Times of India. Moreover, the recent push toward **insurtech and fintech education** (BharatNetra program) indicates institutional efforts to raise awareness and accessibility for modern financial services, including insurance The Times of India.

#### 6. Challenges to Non-Life Insurance Penetration in Rural Odisha

#### **6.1** Awareness and Literacy Gaps

One of the most pressing challenges in rural Odisha is the **lack of financial literacy and awareness** about non-life insurance. Many households perceive insurance as a "luxury" rather than a necessity, often due to cultural attitudes and poor understanding of its long-term benefits (Chakrabarti 2019). Studies indicate that low literacy rates in rural regions reduce the ability to understand policy terms and conditions, leading to **distrust of insurers** (Das 2021). This knowledge gap directly hampers enrollment in schemes such as crop or livestock insurance.

#### 6.2 Accessibility and Distribution

The **distribution of insurance products** in rural Odisha is constrained by poor physical infrastructure and the limited presence of insurance agents. Villages are often remotely located, making it difficult for insurers to expand their network cost-effectively (Rao and Singh 2020). Furthermore, traditional distribution channels such as insurance offices are concentrated in urban centers, leaving rural households reliant on informal intermediaries, which increases misinformation and mistrust.

#### **6.3 Affordability Issues**

Non-life insurance penetration is also hindered by **low and irregular incomes** in agrarian households. Farmers and daily wage laborers, who make up a majority of rural Odisha's workforce, often prioritize immediate consumption needs over long-term risk protection (Panda 2021). Even subsidized schemes under PMFBY face low voluntary participation because farmers find premium contributions unaffordable when combined with existing debt burdens (World Bank 2021).

#### **6.4 Claim Settlement and Trust Deficit**

Delayed claim settlement is a significant issue that fosters **deep distrust among rural households**. Farmers often report difficulties in submitting required documents, lack of transparency in the assessment



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process, and frequent rejections (Dash and Mishra 2020). These negative experiences perpetuate the perception that insurance does not deliver value, leading to declining renewals and word-of-mouth dissuasion within communities (Patnaik and Behera 2022).

#### 6.5 Policy and Regulatory Hurdles

Although the IRDAI has introduced multiple reforms, **policy complexity** remains a challenge in rural areas. Many products contain technical jargon and exclusions that are not easily understood by semiliterate farmers (Rao and Singh 2020). In addition, **grievance redressal mechanisms** are often inaccessible in remote areas, leaving policyholders without recourse when disputes arise (Das 2021). This creates a regulatory gap that discourages long-term adoption.

#### 6.6 Natural Disaster Vulnerability

Odisha's **high exposure to cyclones and floods** amplifies the need for insurance but paradoxically also acts as a deterrent due to **insufficient coverage and high-risk premiums** (Patnaik and Behera 2022). Crop insurance schemes under PMFBY, though widely promoted, often fail to deliver adequate compensation for repeated disaster losses. This creates a vicious cycle where those who need insurance the most are the least protected (Chakrabarti 2019).

#### 7. Opportunities for Enhancing Insurance Penetration

#### 7.1 Government Schemes and Subsidies

Government-backed programs play a pivotal role in strengthening insurance penetration in rural India. The **Pradhan Mantri Fasal Bima Yojana** (**PMFBY**) has expanded crop insurance coverage by offering subsidized premiums, though implementation challenges remain (Panda 2021). Similarly, **Ayushman Bharat−Pradhan Mantri Jan Arogya Yojana** (**PMJAY**) has enhanced health insurance accessibility for low-income households, covering up to ₹5 lakh per family per year (World Bank 2021). The **Pradhan Mantri Jan Suraksha Yojana** (**PMJSY**) also promotes accident and life insurance at minimal premiums, encouraging first-time buyers in rural regions (Rao and Singh 2020). Collectively, these schemes act as catalysts for expanding penetration in underserved areas.

#### 7.2 Technology and Digitalization

Technological innovation offers transformative potential for rural insurance markets. **Mobile-based platforms, e-KYC, digital claim settlement, and AI-driven chatbots** reduce transaction costs and improve accessibility (Chakrabarti 2019). Odisha, where smartphone penetration has grown significantly, can leverage digital ecosystems for awareness campaigns and direct policy distribution (Patnaik and Behera 2022). The use of **satellite imagery and weather-based data** for crop loss assessment also enhances claim settlement efficiency, addressing one of the key barriers identified earlier.

#### 7.3 Microinsurance and Community-Based Models



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**Microinsurance products**, specifically designed for low-income households, provide affordable and simplified risk coverage (Das 2021). Linking insurance with **Self-Help Groups (SHGs)** and cooperatives enhances trust, reduces transaction costs, and improves claim management through collective bargaining. Case studies highlight the success of **mutual aid schemes** in tribal and disaster-prone regions, where community-based models outperform formal schemes in terms of adoption and satisfaction (Dash and Mishra 2020).

#### 7.4 Public-Private Partnerships (PPP)

Collaborations between **state governments, private insurers, and NGOs** can expand rural outreach. PPPs can mobilize local networks and leverage government infrastructure while private insurers bring in innovation and risk-pooling expertise (Panda 2021). In Odisha, partnerships with NGOs have proven effective in mobilizing women's groups and farmers' collectives for crop and health insurance enrollment (Patnaik and Behera 2022). Such models ensure sustainability while reducing dependence solely on public sector insurers.

#### 7.5 Insurance Literacy Programs

A sustainable solution to low penetration lies in **insurance literacy initiatives**. Targeted financial education, integration of insurance awareness into **school curricula and SHG training modules**, and village-level campaigns have been recommended by researchers as effective strategies (Chakrabarti 2019). Insurance literacy not only increases uptake but also improves **policy retention and claim satisfaction**, reducing the prevalent trust deficit (Das 2021).

#### 7.6 Innovative Distribution Channels

Expanding the distribution network beyond traditional insurers is crucial. **Post offices, rural banks, microfinance institutions (MFIs), and Common Service Centres (CSCs)** have extensive rural reach and can serve as efficient insurance intermediaries (Rao and Singh 2020). In Odisha, CSCs already deliver multiple government services and could be strengthened to distribute microinsurance products alongside digital payment systems. Such **multi-channel delivery mechanisms** reduce access barriers and create integrated financial ecosystems in rural communities (World Bank 2021).

#### 8. Policy Recommendations

#### 8.1 Strengthening Rural Insurance Literacy and Awareness Drives

Expanding **insurance literacy campaigns** is essential for improving penetration in rural Odisha. Partnerships between government departments, NGOs, and local panchayats can disseminate simplified information about policy benefits and claim processes (Chakrabarti 2019). Integrating insurance awareness into school curricula and Self-Help Group (SHG) training has shown promising outcomes in improving financial behavior (Das 2021). Sustained awareness programs can correct misinformation and build long-term trust in insurers.



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#### 8.2 Simplification of Claim Settlement Processes with Technology

The adoption of **digital tools for claim settlement** can significantly improve policyholder confidence. Mobile-based claim filing, satellite imagery for crop loss verification, and blockchain-enabled recordkeeping can make settlements faster and more transparent (Rao and Singh 2020). For Odisha, a disaster-prone state, technology-enabled settlement systems can reduce delays that often discourage rural farmers from renewing policies (Patnaik and Behera 2022).

#### 8.3 Designing Affordable, Flexible Microinsurance Products Tailored to Rural Needs

Insurers should focus on **low-cost microinsurance products** that are flexible in terms of premiums and coverage. Linking microinsurance to SHGs, agricultural cooperatives, or microfinance institutions can reduce distribution costs and improve uptake (Dash and Mishra 2020). Products tailored for **seasonal income flows in farming households**—such as installment-based premium payments—can make insurance more inclusive (World Bank 2021).

#### 8.4 State-Specific Insurance Initiatives in Odisha (Disaster Insurance, Fisheries Insurance)

Given Odisha's vulnerability to cyclones, floods, and dependence on agriculture and fisheries, **state-specific insurance products** should be developed. Disaster insurance can be designed as a **parametric insurance model**, offering payouts based on pre-defined triggers like cyclone intensity or rainfall levels (Panda 2021). Similarly, **fisheries insurance** can protect coastal communities from livelihood shocks caused by cyclones, diseases, or marine ecosystem disruptions (Patnaik and Behera 2022).

#### 8.5 Strengthening Regulatory Oversight and Grievance Redressal

To enhance trust, the **IRDAI** and state-level regulators must simplify policy documentation, monitor claim settlement timelines, and enforce stronger grievance redressal systems (Rao and Singh 2020). Establishing village-level grievance cells linked with Common Service Centres (CSCs) would provide policyholders direct access to complaint resolution, thereby improving satisfaction and retention (Das 2021).

#### 8.6 Building Risk-Sharing Pools for Disaster-Prone States

Odisha's frequent climate disasters necessitate the creation of **risk-sharing pools** at the state and regional level. These pools can spread catastrophic risks across insurers, governments, and international reinsurers, lowering the burden on individual insurers and reducing premium volatility (World Bank 2021). A structured risk-sharing framework can ensure financial sustainability of disaster insurance programs while protecting vulnerable households (Chakrabarti 2019).



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#### 9. Conclusion

#### 9.1 Summary of Findings

This study examined the status, challenges, and opportunities of **non-life insurance penetration in rural Odisha**. It highlighted that despite several policy initiatives, insurance penetration in India remains low, with **non-life insurance accounting for only about 1% of GDP**, far below the global average. Rural Odisha, in particular, shows **limited uptake across crop, livestock, health, and property insurance**, driven by barriers such as low financial literacy, affordability constraints, poor claim settlement experiences, and lack of trust in insurers. At the same time, opportunities exist in the form of government-backed schemes, digital innovations, microinsurance models, and public—private partnerships that can enhance penetration.

#### 9.2 Reflection on Non-Life Insurance and Inclusive Growth

Non-life insurance is more than just a financial product; it is a **social safety net** that protects vulnerable households against livelihood shocks caused by health emergencies, crop failures, livestock mortality, or natural disasters. For rural Odisha, where agriculture dominates and disaster risks are high, wider insurance penetration can promote **inclusive growth** by preventing poverty traps, stabilizing household incomes, and enabling risk-taking in productive activities. Insurance also complements financial inclusion goals by integrating rural populations into the broader formal financial system.

#### 9.3 Future Outlook: From Low Penetration to Sustainable Risk Protection

Looking ahead, rural Odisha's insurance landscape must transition from **low penetration and fragmented schemes** toward **sustainable risk protection systems**. This will require **state-specific insurance products** (such as fisheries and disaster insurance), **technology-enabled claim processes**, and **community-based microinsurance** that align with rural realities. Policy interventions should focus on building **risk-sharing pools for disaster-prone regions** and improving **grievance redressal frameworks**. With these efforts, Odisha can become a model for rural insurance penetration in India.

#### 9.4 Contribution of the Study

This research contributes at three levels:

- **Academic**: It adds to the growing literature on insurance penetration by contextualizing challenges and opportunities within a disaster-prone rural state.
- **Policy**: It offers evidence-based recommendations for strengthening literacy, simplifying processes, and designing innovative distribution models.
- **Industry**: It provides insights for insurers and intermediaries on tailoring products, leveraging digital tools, and collaborating with local institutions to achieve deeper market penetration.



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