Deloitte.

The Al Imperative in Insurance

materillisici

Federal Advisory Committee on Insurance

March 20, 2024

AI FOR INSURANCE Meet Our Presenters



SANDEE SUHRADA

Partner, Monitor Deloitte US Insurance Strategy and AI Practice Leader



CLIFFORD GOSS, PH.D.

Partner, Risk and Financial Advisory US AI Risk Management & Governance Leader

AI FOR INSURANCE

Al is poised to drive innovation and value across the Insurance value chain; however, insurers need to consider risks and challenges for successful implementation across the enterprise

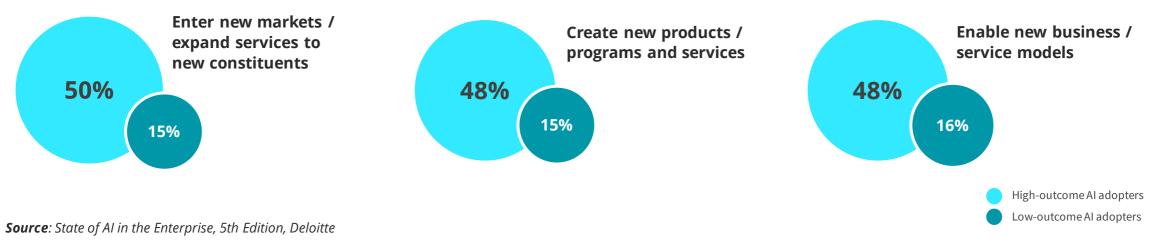
CURRENT STATE OF AI IN INSURANCE	 Most insurers are moving towards focused exploration / experimentation of AI applications and consider AI to be a key factor for business success As AI technologies keep progressing, most insurers are beginning to deploy GenAI solutions in production with an emphasis on efficiency enhancements
AI OPPORTUNITIES & USE CASES	 Insurers are driving AI led innovations across the insurance value chain, with focus on the – Personalization of Sales & Service, Expansion of Underwriting & Claims Assistance, and Transformation of In-House Tech Function Expectations of improved efficiency, enhanced user experience, and increased business growth are driving accelerated adoption of AI across the enterprise
POTENTIAL RISKS AND RISK MANAGEMENT FRAMWORKS	 In addition to amplifying the existing risks from AI, GenAI brings in incremental risks, underscoring the need for robust AI risk management and governance frameworks Deloitte's Trustworthy AITM framework provides the backdrop to a sustainable, safe, and responsible AI-use environment and risk management program



CURRENT STATE OF AI IN INSURANCE Al is rapidly transforming the Insurance industry



Revenue Outcomes Achieved by Al adopters High-outcome Al adopters have embraced leading Data and Al practices required for strongest outcomes



Copyright © 2024 Deloitte Development LLC. All rights reserved.



CURRENT STATE OF AI IN INSURANCE

Most insurers are looking to move from strategy and experimentation towards scaling GenAl Solutions across the Enterprise

Al expected to **substantially transform** enterprises in **less than 3 years**¹



of respondents are testing GenAl solutions across their enterprise¹



of leaders believe GenAI will drive substantial transformation in their organization in less than 1 year²



of respondents surveyed believe they have high levels of expertise in GenAI. These enterprise cite accelerated adoption of AI solutions across their enterprise²

Source: <u>State of Ethics and Trust in Technology</u> 2Deloitte, State of Generative AI in the Enterprise

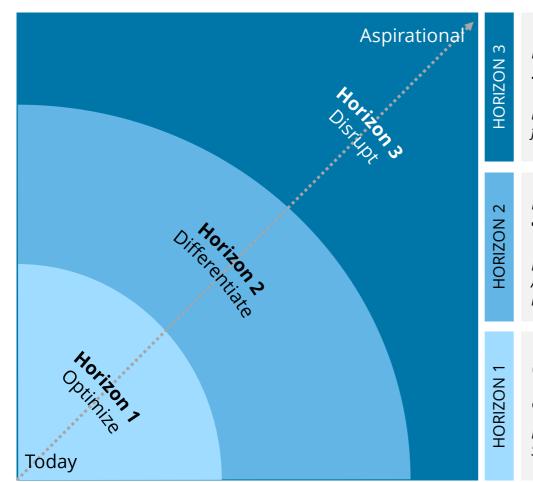


Where we are (2024 and beyond)

Operating Model IMPLEMENT Purpose Build Solutions Scaling Responsible Al Value Measurement Talent Ecosystem Partnerships



CURRENT STATE OF ALIN INSURANCE Insurers are following a systematic approach to create differentiation at scale



Disrupt: Next Wave: Reimagining the Business

Ex: Autonomous agents to help manage products/policies, automated fraud detection and investigation, causal AI ...

Differentiate: Holistic Enterprise Transformation

Ex: Call center virtual agents, automated end-to-end claim support, Anomaly-based cybersecurity and identify verification, Policy Coverage review, ...

Optimize: Internal Experimentation and Optimization

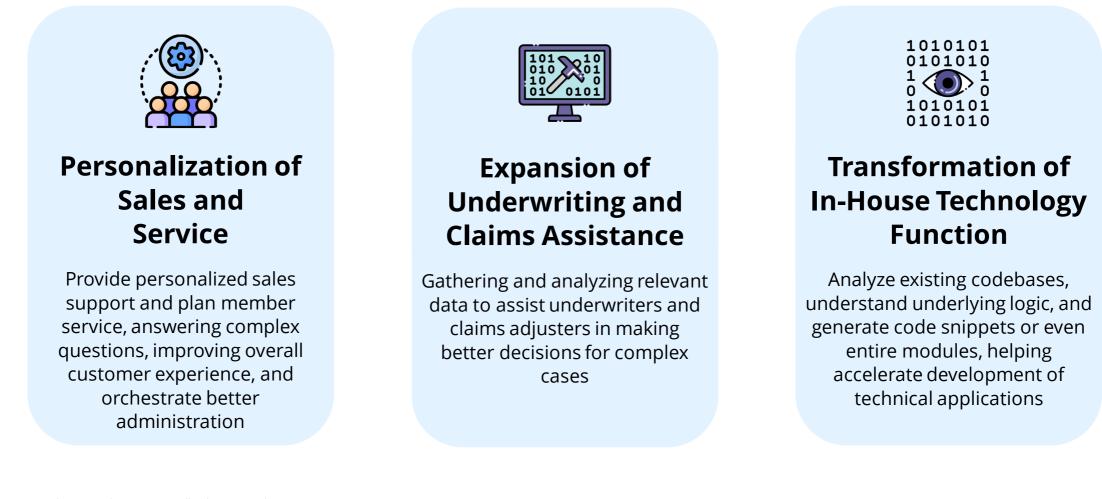
Ex: Intelligent Document Processing, Document Contextualization and Summarization, ...

- ✓ Transform Business
 Models
- ✓ Transform Ways of Working
- ✓ Reduce Costs
- ✓ Increase Revenue
- ✓ Improve Experiences

- ✓ Improve Productivity
- ✓ Lower risk profile



AI OPPORTUNITIES & USE CASES Key categories of use cases (enabled by GenAl solutions) are gaining more traction ...





-- An Illustrative Set --

AI OPPORTUNITIES & USE CASES

... while Insurers are broadly leveraging AI to innovate across the industry value chain

	Product Design	Distribution &	New Business	Customer Service	Claims &	Finance &
	& Actuarial	Marketing	& Underwriting	& Operations	Fraud	Enterprise Risk
Applications of Al	Using real-time customer data for personalized products, services, and pricing based on individual needs and expectations	Aiding agents in detailing policy benefits, analyzing coverages, comparing quotes, and addressing customer queries. Creating personalized marketing content tailored to customer needs	Analyzing unstructured data like social media posts and news articles to identify risks and guide underwriting decisions Summarizing customer and third-party data into easily understandable information	Al chatbots for automated customer service, policy information, claims assistance, and account management Language translations of policy document or marketing collaterals	Real-time information on claim triage and repair through initial claim notice routing Quick claims adjudication through claims data analysis.	Predict and assess risks better by analyzing large volumes of data and create simulations of potential risk scenarios

Enabling Information Technology, Governance and Operations

Automated code generation, development lifecycle documentation, test scenario creation, and translation/business logic extraction from legacy code to increase speed to market and improve engineering efficiencies

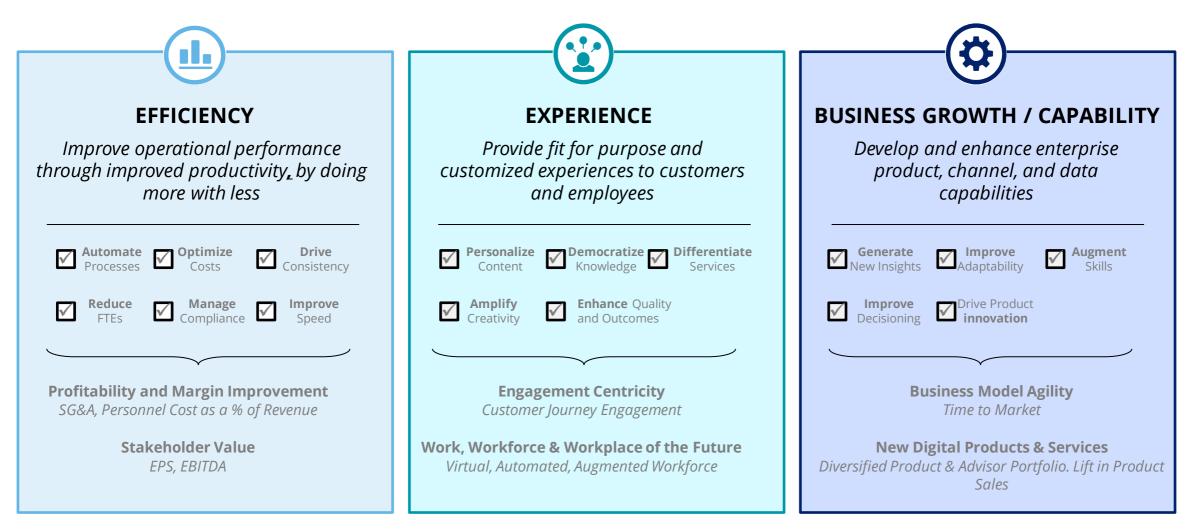
Faster iterations, more innovative and hyper personalized products	Improved targeting, personalized marketing, faster campaign optimization	Improve accuracy, enable more precise risk pricing, and better risk segmentation	24/7 availability, significantly reduced costs, multiple language support, better customer experience	Reduced costs, faster claims processing, and improved fraud detection	Improved risk assessment, identifying insights that could be missed by humans
--	---	---	---	--	--

Visit <u>The Generative AI Dossier</u> – A selection of high-impact use cases across six major industries by Deloitte AI Institute



AI BENEFITS AND OUTCOMES

AI Adoption is accelerating given the promise of value-realization through enhanced efficiency, experience, and business growth

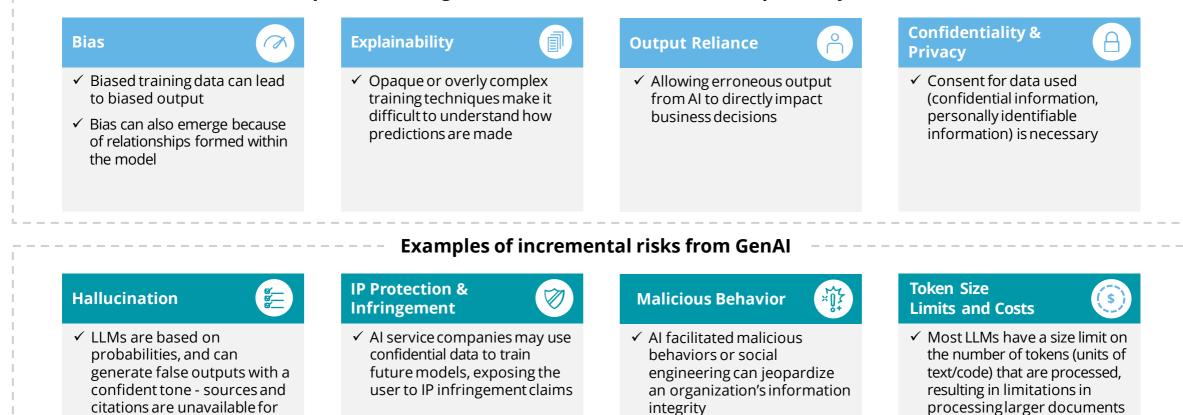




AI PITFALLS & EMERGING RISKS

Advancement of AI technologies introduces new risks, underscoring the need for establishing robust AI governance frameworks

Examples of existing risks from AI that are further amplified by GenAI



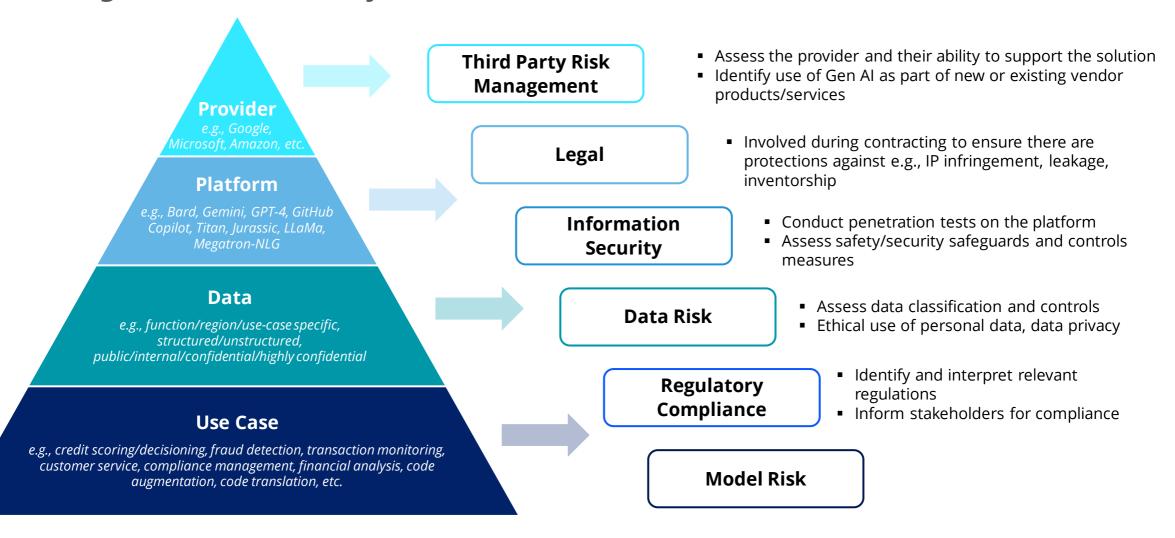
most models

and high computing costs



AI PITFALLS & EMERGING RISKS

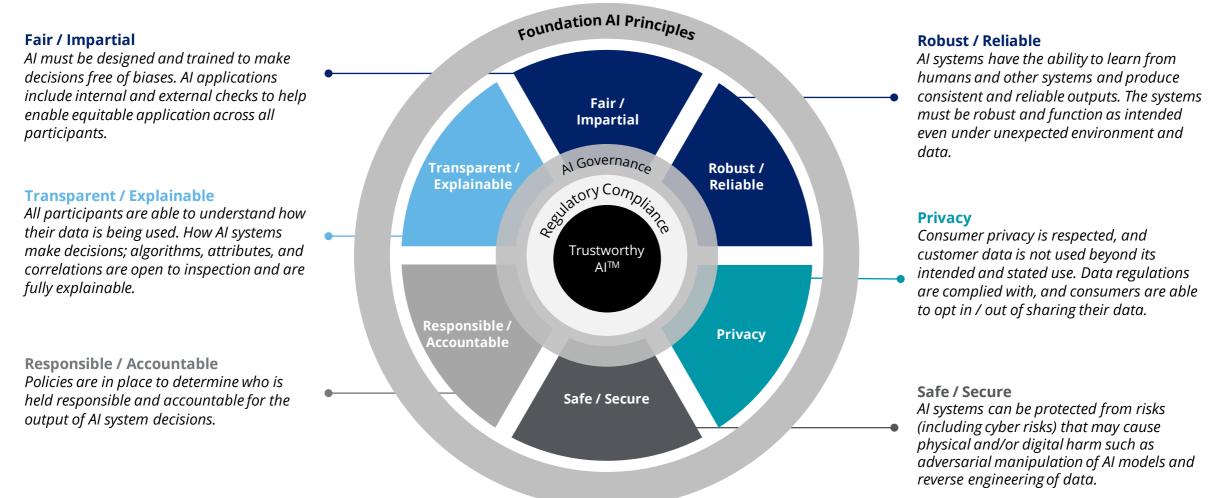
Organizations are finding that AI is not a standalone risk, but a cross cutting expansion of existing risks across the layers of AI





AI RISK MANAGEMENT FRAMEWORK

Comprehensive AI risk management principles serve as the cornerstone of a sound AI practices. Deloitte's Trustworthy AITM framework provides the backdrop to a sustainable, safe, and responsible AI-use environment and risk management program





AI RISK MANAGEMENT LEARNINGS

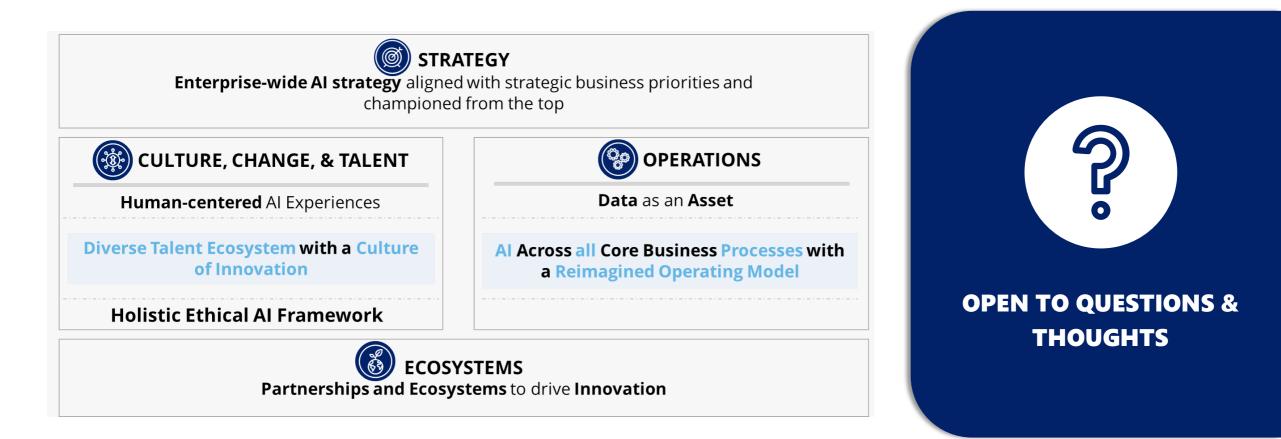
Standing up an AI Risk Management Framework: Lessons Learned

The AI use-environment is evolving quickly and leading practices in AI risk management have yet to fully converge. This poses a unique challenge when designing and implementing an AI risk management program.

Stakeholder Alignment	 Typically, the most challenging part of standing up an AI risk management program Requires well-structured/planned consensus workshops for each topic, from AI definition, to risk rating, to required lifecycle activities It's best to bring options, based on industry practice, with pros/cons, and a recommendation to consensus workshops
Building off of Existing Processes	 There is considerable overlap in AI risk management to other existing risk management programs (e.g., MRM, cyber, data risk, technology risk, etc.) Determining where existing programs can be leveraged/built off of incrementally, vs. holistic new processes (and/or technology) requires careful consideration and input from the broader stakeholder group
	These decisions will drive stakeholder buy-in and drive program efficiency
Managing Risk in a	 One of the biggest stakeholder complaints (and therefore sources of stakeholder push-back) is that AI risk management is burdensome and stifles the innovation environment needed to develop AI objects (e.g., requiring inventory registration during AI design)
Creative Environment	 While these concerns can be assuaged through educational sessions demonstrating the value of AI risk management, it is also critical to make sure that AI risk management controls/requirements are risk and regulatory-based
Managing Regulatory	 There are varied requirements across regulatory jurisdictions. To avoid burdening stakeholders in regulatory jurisdictions which have yet to evolve into strict environments, it is critical to understand the different landscapes and design flexible life-cycle activity requirements
Jurisdictions	 Moreover, a centralized control function that drives updated lifecycle activities as regulations evolve can help stakeholders comply with local regulations

SCALING AI

Deploying Responsible AI to deliver successful outcomes at scale



Al success is built upon the foundation of business-value-centric strategy, responsible governance to create trusted solutions, an adaptive workforce, and a robust set of ecosystem partners.

Thank You

15 | Copyright © 2023 Deloitte Development LLC. All rights reserved.

Learn more and continue your Generative AI journey

Listen



Generative Al Industry Webinars

– Podcasts



Listen to an exciting episode of the **TECHTalks podcast** exploring Generative AI with Ed Bowen, Deloitte Advisory AI Leader and Managing Director of the AI Center of Excellence, now available on <u>Spotify</u>



Listen to an exciting episode of **The Al in Business Podcast**, where Al leaders in Deloitte talk about Al opportunities in insurance and how value is being created. Available on <u>SoundCloud</u>

Read



About the Presenters



SANDEE SUHRADA

Partner, Monitor Deloitte | US Insurance Strategy and Al Practice Leader Email: ssuhrada@deloitte.com

Sandee leads Deloitte's Insurance Data Strategy and Al practice and has over 18 years of experience delivering innovative business solutions and complex transformation efforts for global financial services institutions.

She is an industry-recognized strategist, creator, and architect of end-to-end enterprise solutions that encompass data analytics, AI, and digital innovations. Sandee advises insurance executives on opportunities to leverage next-gen technology to operationalize their business strategies and realize growth, profitability, cost-efficiencies, operational excellence, and an elevated customer experience.



CLIFFORD GOSS, PH.D.

Partner, Risk and Financial Advisory | US AI Risk Management & Governance Leader Email: cgoss@deloitte.com

With nearly 20 years' experience assisting FSI clients with modeling and AI efforts, Clifford leads Risk and Financial Advisory's AI Risk Management practice for FSI clients.

In this capacity, he is helping his clients navigate the evolving AI regulatory environment and stand up, or enhance their AI risk management programs. By enhancing risk mgmt. programs (model, data, cyber risk, etc.) he is helping his clients develop holistic AI risk mgmt. programs which span the end-to-end AI lifecycle.

In addition to this role, Clifford helps lead the Model Risk Management practice and has extensive experience with the broader range of AI models



DAVID SHERWOOD

Managing Director, Risk and Financial Advisory Email: dsherwood@deloitte.com

David Sherwood is a Deloitte Advisory Managing Director in the insurance (Life & Health, and Property & Casualty) sector specializing in Al, risk management, regulation and compliance.

David has taken a lead role in global and domestic regulatory developments, and helps clients navigate regulatory and organizational change both domestically and internationally. David's experience includes AI related developments, and he continues to support and advise clients in this area. He acts as the Deloitte lead at International Association of Insurance Supervisors (IAIS) and the US National Association of Insurance Commissioners (NAIC), and has presented at NAIC Summer National Meeting 2023 on Generative AI

Deloitte

www.deloitte.com

About Deloitte

Deloitte provides audit and assurance, consulting, financial advisory, risk advisory, tax, and related services to public and private clients spanning multiple industries. Deloitte serves four out of five Fortune Global 500[®] companies through a globally connected network of member firms in more than 150 countries and territories bringing world-class capabilities, insights, and service to address clients' most complex business challenges. Deloitte LLP, an Ontario limited liability partnership, is the Canadian member firm of Deloitte Touche Tohmatsu Limited. Deloitte refers to one or more of Deloitte Touche Tohmatsu Limited, a UK private company limited by guarantee, and its network of member firms, each of which is a legally separate and independent entity. Please see <u>www.deloitte.com/about</u> for a detailed description of the legal structure of Deloitte Touche Tohmatsu Limited and its member firms.

Our global Purpose is making an impact that matters. That translates into building a better future by accelerating and expanding access to knowledge. We believe we can achieve this Purpose by living our shared values to lead the way, serve with integrity, take care of each other, foster inclusion, and collaborate for measurable impact.

© 2024 Deloitte Inc. and affiliated entities.