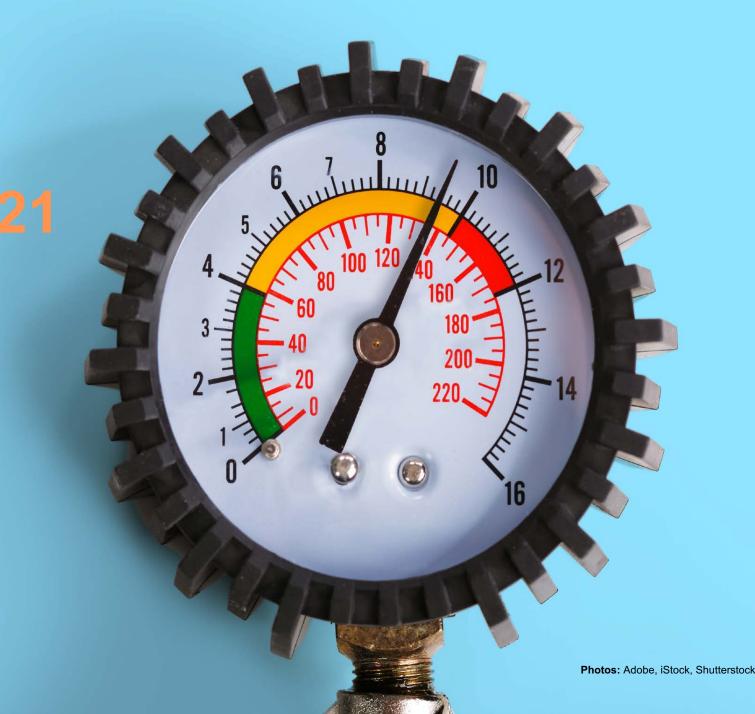
ALLIANZ RISK BAROMETER 2021

Top Business Risks for 2021 Executive Summary

Regional Unit London & Nordics







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Top Risk 2



METHODOLOGY AND PARTICIPANTS

- The tenth Allianz Risk Barometer is the biggest yet, incorporating the views of a record 2,769 respondents from 92 countries.
- The survey was conducted among Allianz customers (global businesses), brokers and industry trade organizations, as well as corporate insurance risk consultants, underwriters, senior managers and claims experts of AGCS and other Allianz entities.
- Respondents were asked to select the industry about which they
 were particularly knowledgeable and to name up to three risks they
 believed to be of the most importance.
- Large enterprises (>\$500mn annual revenue) contributed 1,234 respondents [44%], mid-sized enterprises (\$250mn to \$500mn revenue) had 495 respondents [18%], while small enterprises (<\$250mn) produced 1,040 respondents [38%] from 22 industries.





TOP 10 GLOBAL BUSINESS RISKS FOR 2021



Source: Allianz Global Corporate & Specialty. Figures represent the number of risks selected as a percentage of all survey responses. The 2,769 respondents could provide answers for up to three risks. **Photos**: Adobe, iStock, Shutterstock

1 Pandemic outbreak ranks higher than cyber incidents based on the actual number of responses 3 Macroeconomic developments ranks higher than climate change based on the actual number of responses KEY = RED Risk higher than 2020 GREEN risk lower than in 2020



SELECTED RESULTS HIGHLIGHTS

- A Covid-19 related trio of risks heads up the 10th Allianz Risk Barometer 2021, reflecting the disruption caused by lockdowns in many countries globally in response to the coronavirus outbreak.
- Business interruption (BI) returns to #1 as the top peril globally in the Allianz Risk Barometer (41% of responses). BI has been the top risk for eight of the last 10 years.
- New to the top 10, pandemic outbreak climbs to second position in the Allianz Risk Barometer (40% of responses). Pandemic is the biggest climber this year (up 15 positions).
- Businesses are still as concerned as ever about **cyber incidents** (3rd, 40%)* with more respondents picking this as a top peril than last year. Business interruption, pandemic and cyber are strongly interlinked, demonstrating the growing vulnerabilities of our highly globalized and connected world
- Market developments (4th 19%) and changes in legislation and regulation (5th, 19%)** round out the top five global risks.

^{*} Pandemic outbreak ranks higher than cyber incidents based on the actual number of responses

^{**} Market developments ranks higher than changes in legislation and regulation based on the actual number of responses



THE COVID TRIO: BI, PANDEMIC OUTBREAK, CYBER

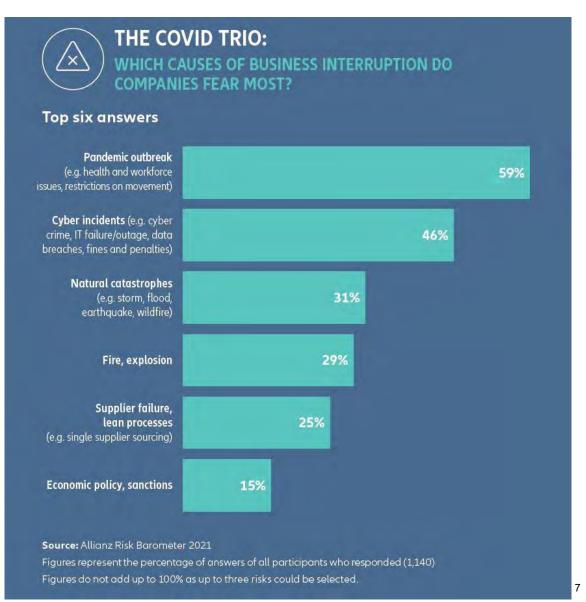
- Business interruption, pandemic outbreak and cyber incidents are strongly interlinked, highlighting growing vulnerabilities of our highly globalized and connected world.
- Wider digitalization, more remote working and growing reliance on technology and online sales will only heighten business interruption risks.
- Economic consequences of the pandemic will likely fuel unrest in 2021, with implications for supply chains and business interruption.
- Companies look to de-risk supply chains and boost business continuity management for future "extreme" events, such as a global-scale cloud outage or cyber-attack, natural disasters driven by climate change or even another disease outbreak.





BI RETURNS AS TOP RISK BUT WITH A COVID TWIST

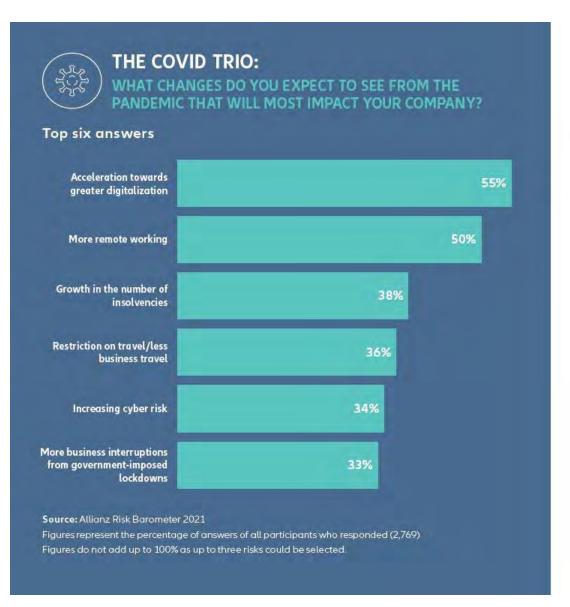
- In 2021, BI (41% of responses) ranks as the most important business risk.
- BI ranks top in nine countries and in the Americas region.
- BI is the top risk in these sectors: chemical/pharma/bio-pharma; consumer goods; engineering/construction/real estate; food and beverages; manufacturing; mining; oil and gas; renewable energy; retail/wholesale; and transportation.
- Covid-19 has highlighted the vulnerability of global supply chains to extreme events and the awareness of BI is now at the very top of organizations.
- Accelerated digitalization due to Covid-19 could bring new risks, while economic, societal and political repercussions could bring sources of disruption for years to come.





PANDEMIC OUTBREAK: COVID, A 'KNOWN SURPRISE'

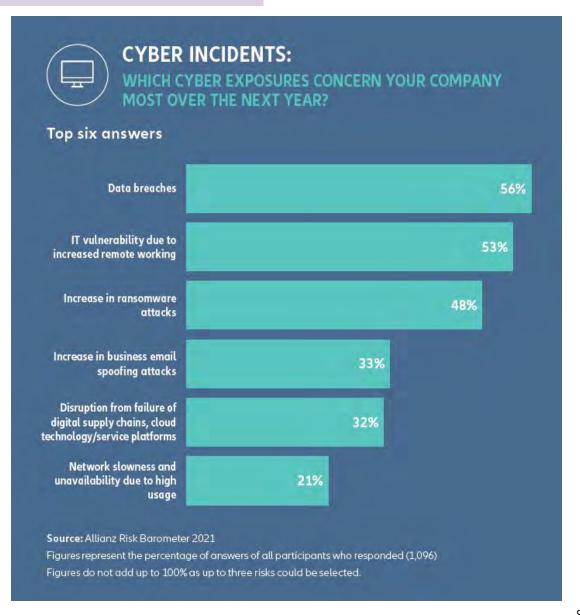
- In 2021, **pandemic outbreak** (#2, 40%) appears in global top 10 for first time.
- Pandemic ranks top in the Africa & Middle East region and 16 countries, including Australia, China, Nigeria, and the UK.
- Pandemic is the top risk for these sectors: aviation/ aerospace/defense; consumer goods; entertainment/ media; government/public services; hospitality/leisure/ tourism; and marine/shipping.
- Prior to 2021, pandemic had never finished higher than #16 in 10 years of the Allianz Risk Barometer, a clearly underestimated risk.
- The pandemic demonstrates how vulnerable the world is to unpredictable and extreme events and highlights the downside of global production and supply chains.





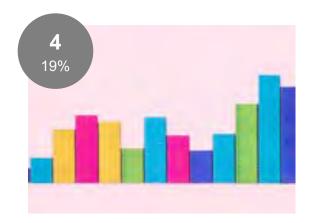
CYBER INCIDENTS

- Cyber incidents may have slipped to #3 in the 2021
 Allianz Risk Barometer, but it remains a key peril with more respondents than in 2020.
- Cyber ranks top in 12 countries and in the Asia Pacific and Europe regions.
- Cyber is the top risk for these sectors: financial services; government and public services; power & utilities; professional services; technology; and telecommunications.
- Covid-19 highlights how quickly criminals adapt and the digitalization surge driven by the pandemic has created opportunities for intrusions with new cyber loss scenarios constantly emerging.
- Data breaches and ransomware are the biggest threats, with data and privacy costs rising and ransomware attacks more frequent, larger and damaging.





TOP RISKS IN FOCUS



MARKET DEVELOPMENTS*

Rising insolvency rates are a big concern. Euler Hermes' global solvency index is expected to hit a record high for bankruptcies in 2021 – up 35%.



CHANGES IN LEGISLATION AND REGULATION

Data and sustainability are two important areas for 2021. Data access and use determine the risk landscape. To transition to a zero-carbon economy, integrating sustainability considerations into all business activities is key.

NATURAL CATASTROPHES

Devastating wildfires in California and Australia and record-breaking numbers of tropical storms in the Atlantic Ocean were among the natural catastrophes to dominate the headlines in 2020.



FIRE, EXPLOSION

A major fire or explosion prevents companies from servicing their customers or resuming operations, and such incidents drive BI claims, in particular. Mitigation practices remain essential for all businesses to lower the risk of fire loss.



Photos: Adobe, Shutterstock

^{*}Market developments ranks higher than changes in legislation and regulation based on the actual number of responses.

TOP RISKS IN FOCUS



MACROECONOMIC DEVELOPMENTS¹

Interest rates will remain low for a very long time in the US and even longer in Europe. According to Allianz Research estimates, the Fed is likely to envisage a first rate hike from Q3 2023 only.



POLITICAL RISKS AND VIOLENCE

Civil unrest incidents such as protests and riots challenge terrorism as the main political risk exposure for companies. As the Covid-19 fallout mounts, global protester numbers should swell – 75 countries will likely experience an increase in protests by late 2022.

10 11%

Photos: iStock, Shutterstock

CLIMATE CHANGE / INCREASING VOLATILITY OF WEATHER

Compared to Covid-19, climate change is a catastrophe in slow motion. While the virus may have inadvertently led to a minor reduction in emissions due to less traffic, travel and industrial activity, the need to combat and prevent climate change and global warming is as high as ever. 2020 was the joint hottest year on record.

TOP RISKS BY REGION



THE MOST IMPORTANT BUSINESS RISKS IN EUROPE



Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that region. Respondents: 1,278. Figures don't add up to 100% as up to three risks could be selected. **Photos**: iStock, Adobe, Shutterstock KEY = PURPLE risks the same as 2020 RED risks higher than 2020 GREEN risks lower than 2020 ORANGE risks not ranked in 2020



THE MOST IMPORTANT BUSINESS RISKS: AMERICAS



Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that region. Respondents: 540. Figures don't add up to 100% as up to three risks could be selected. **Photos**: iStock, Adobe, Shutterstock. KEY = PURPLE risks the same as 2020 RED risks higher than 2020 GRANGE risks not ranked in 2020



THE MOST IMPORTANT BUSINESS RISKS IN ASIA PACIFIC



Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that region. Respondents: 324. Figures don't add up to 100% as up to three risks could be selected. Photos: iStock, Adobe, Shutterstock. KEY = PURPLE risks the same as 2020 RED risks higher than 2020 GREEN risks lower than 2020 ORANGE risks not ranked in 2020



THE MOST IMPORTANT BUSINESS RISKS IN AFRICA & MIDDLE EAST

36%		Pandemic outbreak¹ (e.g. health and workforce issues, restrictions on movement)	Political risks and violence (e.g. political instability, war, terrorism, civil commotion, riots and looting)
2 36%	<i>///</i>	Business interruption (incl. supply chain disruption)	7 17% Theft, fraud and corruption ² 2020: 20% (8)
3	A	Cyber incidents (e.g. cyber crime, IT failure/outage, data breaches, fines and penalties)	Changes in legislation 2020: 27% (3) and regulation (e.g. trade wars and tariffs, economic sanctions, protectionism, Brexit, Euro-zone disintegration)
4 20%		Fire, explosion	Market developments (e.g. volatility, intensified competition/new entrants, M&A, market stagnation, market fluctuation)
20%	THE STATE OF THE S	Macroeconomic developments (e.g. monetary policies, austerity programs, commodity price increase, deflation, inflation)	Critical infrastructure blackouts (e.g. disruption of power)

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that region. Respondents: 627. Figures don't add up to 100% as up to three risks could be selected. **Photos**: iStock, Adobe, Shutterstock. 1 Pandemic outbreak ranks higher than business interruption based on the actual number of responses 2 Theft, fraud and corruption ranks higher than changes in legislation and regulation based on the actual number of responses





TOP 5 RISKS IN AVIATION, AEROSPACE, DEFENSE **TOP 5 RISKS IN AGRICULTURE** 2020: 45% (1) NEW Pandemic outbreak Climate change (e.g. health and workforce issues, restrictions on /increasing volatility of weather movement) 41% 62% Market developments NEW 2020: 36% (2) **Business interruption** (incl. supply chain disruption) new entrants, M&A, market stagnation, market 31% 41% Cyber incidents 2020: 40% (1) **Business interruption** 2020: 26% (5) (e.g. cyber crime, IT failure/outage, (incl. supply chain disruption) data breaches, fines and penalties) 28% 35% Changes in legislation Market developments 2029: 25% (4) 2020: 31% (3) 4 and regulation (e.g. volatility, intensified competition / (e.g. trade wars and tariffs, economic sanctions, new entrants, M&A, market stagnation, market 31% 25% fluctuation) protectionism, Brexit, Euro-zone disintegration) NEW 2020: 27% (4) Natural catastrophes Fire, explosion (e.g. storm, flood, earthquake, wildfire) 22% 15%

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 32. Figures don't add up to 100% as up to three risks could be selected.

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 78. Figures don't add up to 100% as up to three risks could be selected. **Photos**: iStock, Adobe, Shutterstock.



TOP 5 RISKS IN CHEMICALS. PHARMACEUTICALS. BIOPHARMA **TOP 5 RISKS IN CONSUMER GOODS** 2020: 67% (1) 2020: 32% (2) **Business interruption Business interruption** (incl. supply chain disruption) (incl. supply chain disruption) 66% 38% 2019: 36% (2) NEW Cyber incidents Pandemic outbreak (e.g. health and workforce issues, data breaches, fines and penalties) restrictions on movement) 49% 38% Macroeconomic Pandemic outbreak developments (e.g. health and workforce issues, restrictions on (e.g. monetary policies, austerity programs, 34% commodity price increase, deflation, inflation) Changes in legislation 2020: 33% (3) 2020: 29% (3) Market developments 3 and regulation (e.g. monetary policies, austerity programs, (e.g. trade wars and tariffs, economic sanctions, 21% commodity price increase, deflation, inflation) 21% protectionism, Brexit, Euro-zone disintegration) 2020: 18% (5) Climate change/ Fire, explosion increasing volatility of weather 21% 19%

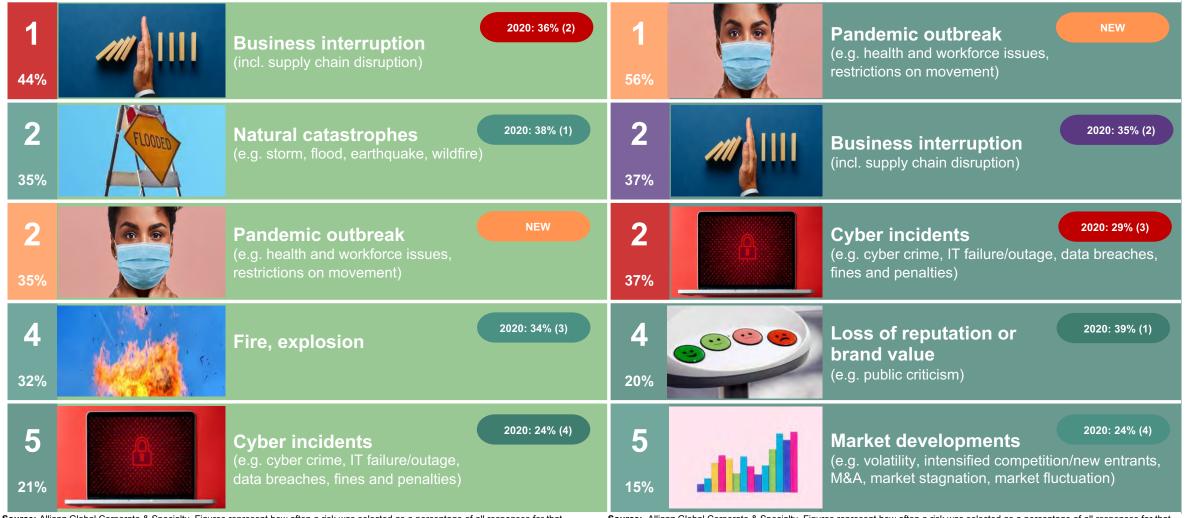
Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 53. Figures don't add up to 100% as up to three risks could be selected.

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 42. Figures don't add up to 100% as up to three risks could be selected. **Photos**: iStock, Adobe, Shutterstock



TOP 5 RISKS IN ENGINEERING, CONSTRUCTION, REAL ESTATE

TOP 5 RISKS IN ENTERTAINMENT & MEDIA



Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 119. Figures don't add up to 100% as up to three risks could be selected.

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 54. Figures don't add up to 100% as up to three risks could be selected. **Photos**: iStock, Adobe, Shutterstock.



TOP 5 RISKS IN FINANCIAL SERVICES TOP 5 RISKS IN FOOD & BEVERAGES (MFG. & SUPPLY) 2020: 46% (1) 2020: 49% (1) **Cyber incidents Business interruption** (e.g. cyber crime, IT failure/outage, data breaches, fines (incl. supply chain disruption) and penalties) 47% 53% NEW Pandemic outbreak Pandemic outbreak (e.g. health and workforce issues, restrictions on movement) movement) 40% 33% 2020: 24% (4) 2020: 29% (4) **Business interruption** Fire, explosion 31% 30% Changes in legislation Market developments 2020: 33% (2) (e.g. volatility, intensified competition / and regulation new entrants, M&A, market stagnation, market (e.g. trade wars and tariffs, economic sanctions, 26% 26% fluctuation) protectionism, Brexit, Euro-zone disintegration) Macroeconomic NEW Cyber incidents developments (e.g. cyber crime, IT failure/outage, (e.g. monetary policies, austerity programs, commodity data breaches, fines and penalties) 23% price increase, deflation, inflation) Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for the industry sector. Respondents: 931. Figures don't add up to 100% as up to three risks could be selected.

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 43. Figures don't add up to 100% as up to three risks could be selected. **Photos**: Adobe, iStock, Shutterstock.



TOP 5 RISKS IN GOVERNMENT, PUBLIC SERVICES (INCL. HEALTHCARE) TOP 5 RISKS IN HOSPITALITY, LEISURE, TOURISM Pandemic outbreak 2020: 39% (1) NEW Cyber incidents (e.g. health and workforce issues, (e.g. cyber crime, IT failure/outage, data breaches, fines restrictions on movement) and penalties) 37% 66% 2020: 44% (2) **Business interruption** Pandemic outbreak (incl. supply chain disruption) restrictions on movement) 37% 46% Changes in legislation 2020: 21% (4) 2020: 50% (1) Natural catastrophes and regulation (e.g. storm, flood, earthquake, wildfire) (e.g. trade wars and tariffs, economic sanctions, 30% 43% protectionism, Brexit, Euro-zone disintegration) Changes in legislation NEW Political risks and violence and regulation (e.g. trade wars and tariffs, economic sanctions, riots and looting) 20% 14% protectionism, Brexit, Euro-zone disintegration) NEW Climate change / **Business interruption** increasing volatility of weather 17% 14%

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 30. Figures don't add up to 100% as up to three risks could be selected.

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 35. Figures don't add up to 100% as up to three risks could be selected. **Photos**: Adobe, iStock, Shutterstock.



TOP 5 RISKS IN MANUFACTURING (INCL. AUTOMOTIVE)

TOP 5 RISKS IN MARINE & SHIPPING



Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 136. Figures don't add up to 100% as up to three risks could be selected.

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 70. Figures don't add up to 100% as up to three risks could be selected. **Photos**: Adobe, iStock, Shutterstock.





Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 17. Figures don't add up to 100% as up to three risks could be selected.

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 51. Figures don't add up to 100% as up to three risks could be selected. **Photos**: Adobe, Shutterstock, iStock.

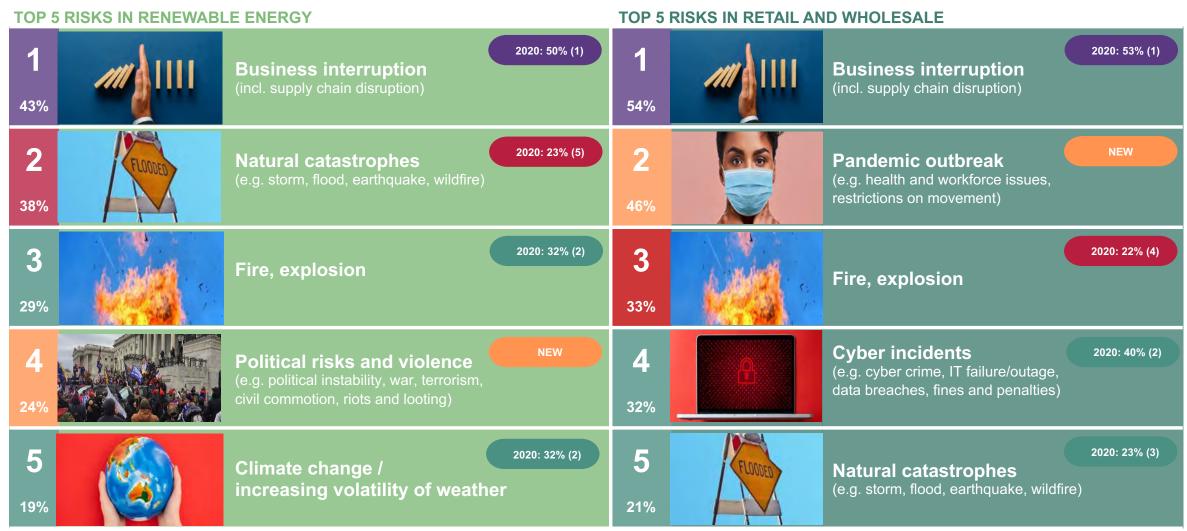




Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 49. Figures don't add up to 100% as up to three risks could be selected.

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 124. Figures don't add up to 100% as up to three risks could be selected. **Photos**: Adobe, iStock, Shutterstock.





Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 21. Figures don't add up to 100% as up to three risks could be selected.

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 57. Figures don't add up to 100% as up to three risks could be selected. **Photos**: Adobe, iStock, Shutterstock.



TOP 5 RISKS IN TECHNOLOGY TOP 5 RISKS IN TELECOMMUNICATIONS 2020: 57% (1) 2020: 75% (1) **Cyber incidents** Cyber incidents (e.g. cyber crime, IT failure/outage, data breaches, fines (e.g. cyber crime, IT failure/outage, and penalties) data breaches, fines and penalties) 61% 71% 2020: 42% (2) 2020: 46% (2) **Business interruption Business interruption** (incl. supply chain disruption) (incl. supply chain disruption) 44% 38% Changes in legislation 2020: 25% (3) Pandemic outbreak and regulation (e.g. trade wars and tariffs, economic sanctions, restrictions on movement) protectionism, Brexit, Euro-zone disintegration) 30% 26% 2020:26% (3) New technologies Market developments 4 (e.g. impact of Artificial Intelligence, autonomous (e.g. volatility, intensified competition/new entrants, vehicles, 3D printing, Internet of Things, M&A, market stagnation, market fluctuation) 26% 26% Changes in legislation 2020: 21% (5) Pandemic outbreak 5 and regulation (e.g. health and workforce issues, (e.g. trade wars and tariffs, economic sanctions, restrictions on movement) 18% 26% protectionism, Brexit, Euro-zone disintegration)

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 57. Figures don't add up to 100% as up to three risks could be selected.

Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 34. Figures don't add up to 100% as up to three risks could be selected. **Photos**: Adobe, iStock, Shutterstock.



TOP 5 RISKS IN TRANSPORTATION



Source: Allianz Global Corporate & Specialty. Figures represent how often a risk was selected as a percentage of all responses for that industry sector. Respondents: 54. Figures don't add up to 100% as up to three risks could be selected. **Photos:** Adobe, iStock, Shutterstock.

THANK YOU

