

# sigma

---

## World insurance: riding out the 2020 pandemic storm

- 01 Executive summary
- 02 Key takeaways
- 03 Macroeconomic environment for insurers
- 08 Trends in the global insurance markets
- 21 Appendix
- 23 Statistical appendix

sigma *extra*  
Regional review 2019,  
and outlook, available  
online:

- *the advanced markets*
- *the emerging markets*



# Executive summary

We expect the insurance industry to weather this year's sharp global recession shock...

...and that global premiums will return to pre-pandemic crisis levels by the end of 2021.

The life sector will be harder hit by the COVID-19 experience than non-life.

Overall, however, in our view the industry will be able to absorb the earnings shock inflicted by the crisis.

Industry profitability will be supported by hardening rates and the accelerated development of new risk protection requirements that emerge as a result of the crisis.

The COVID-19 pandemic will spark the deepest recession since the 1930s, and we forecast that global gross domestic product (GDP) will contract by around 4% in 2020. This will lead to a slump in demand for insurance this year, more so for life (we estimate that premiums volumes will shrink by 6%) than non-life (-0.1%) covers.<sup>1</sup> Overall, however, we expect the industry to ride out what will likely be a short-lived recession, and for premium growth to bounce back as the economy enters more protracted recovery. We see commercial Property & Casualty lines as the main driver of the comeback. Region-wise, it will be the emerging markets, notably China.

In the here and now, we estimate that the COVID-19 crisis will put global premium (life and non-life) growth back by around 3 percentage points (ppt) from the pre-recession growth path. We forecast that combined life and non-life direct premiums written will recover to above pre-pandemic levels over the course of 2021, a strong outcome given the severity of this year's recession. In relative terms, the declines in life and non-life premium growth in 2020 will be of similar magnitude to that seen during of the global financial crisis (GFC) in 2008–09, even though this year's GDP contraction will be much more severe.

In 2019, global premiums grew steadily at just below 3% in real terms. Life sector growth slowed to 2.2%, stronger than the 1.5% average of the previous 10 years. We estimate that the COVID-19 crisis will slow life premium growth by 4.5 ppt this year and next, leading to 1.5% aggregate market contraction. Demand for group and individual savings business will be hit by rising unemployment and falling incomes; individual mortality business should be more stable. At 3.5%, non-life premium growth in 2019 was slightly above the 10-year average. We estimate a 1.1 ppt pullback in premium growth, making for aggregate sector expansion of 1.6% over 2020–21. Motor, trade, travel and commercial rather than personal lines will likely be hardest hit. The emerging markets will outperform in both life and non-life.

The insurance industry was well capitalised ahead of the pandemic and we believe it will absorb the COVID-19 earnings shock. The ultimate associated claims burden on the non-life side remains uncertain. The mid-point of the range of estimates from different sources is at USD 55 billion, well below recent peak-year natural catastrophe loss totals. For example in 2005, Hurricane Katrina imparted a one-off hit of about USD 90 billion (in 2019 prices), which the industry absorbed. There will be challenges to industry profitability. Investment returns will remain subdued as interest rates stay low for longer, impacting life and long-tail lines in non-life, and rising corporate defaults could lead to losses on invested assets. In life, falling sales and fee income due to restricted in-person interactions on account of the lockdown measures imposed to contain virus spread will likely also weigh on profits this year.

On the flipside, COVID-19 has hit at a time of rate hardening in non-life, and we expect that trend to continue in commercial lines in particular, as capital becomes more scarce. This, and the expected bounce-back of insurance demand should support earnings over the longer term. Further, the experience of this year's health and economic crises will raise risk awareness, the effect being to boost demand across many lines of business, including for pandemic solutions (which in turn may require some form of government backstop given the non-diversifying nature of the risk). The COVID-19 shock will likely accelerate other paradigm shifts also, such as a restructuring of global supply chains to mitigate future business disruption risks, giving rise to new premium pools in property, engineering and surety insurance. We also see reinforcement of digitalisation trends in personal and work life, stimulating accelerated development of new insurance products and services.

<sup>1</sup> All growth figures quoted in this study are in real terms (ie, adjusted for local consumer price inflation).

# Key takeaways

## Total premiums written will recover to pre-pandemic levels in 2021

After a solid 2019, global insurance premium growth (life and non-life) will stagnate over the course of 2020 and 2021. Life premiums in advanced markets are set to contract sharply. The non-life sector will be less affected by the COVID-19 crisis as improving rates are supporting premium growth. The emerging markets will outperform in both sectors.

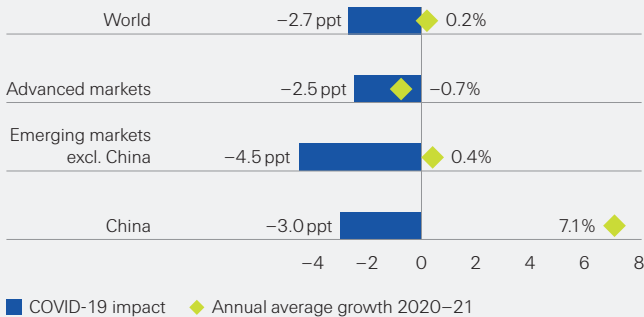
Markets	Life					Non-life					Total				
	2019	'09-18	2020E	2021F	'20-21F	2019	'09-18	2020E	2021F	'20-21F	2019	'09-18	2020E	2021F	'20-21F
Advanced	1.3%	0.6%	-8%	2%	-3%	2.7%	2.6%	-1%	3%	1%	2.1%	1.6%	-4%	2%	-1%
Emerging	5.6%	6.5%	0%	7%	3%	7.7%	7.7%	3%	7%	5%	6.6%	7.1%	1%	7%	4%
World	2.2%	1.5%	-6%	3%	-2%	3.5%	3.2%	0%	3%	2%	2.9%	2.4%	-3%	3%	0%

E = estimates; F = forecasts  
Source: Swiss Re Institute

## COVID-19 will slow insurance market growth by close to 3 percentage points

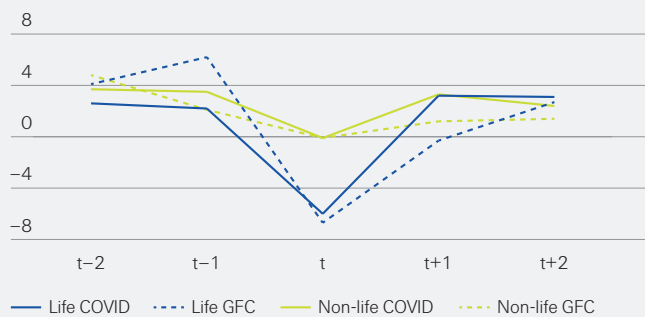
The lower total insurance premium growth rate outcome in 2020 due to COVID-19 pandemic will be similar to that seen during the GFC. However, the decline in sector growth rates from the preceding year will differ. In life, the decline will not be as sharp as during the GFC, as we do not expect the same lingering financial market turmoil. In non-life, the drop will be more severe because of the stronger economic contraction in contrast to the GFC; growth in 2021 will be stronger, as COVID-19 has hit in a period of rate hardening.

Impact of COVID-19 for total real annual average premium growth in 2020 and 2021



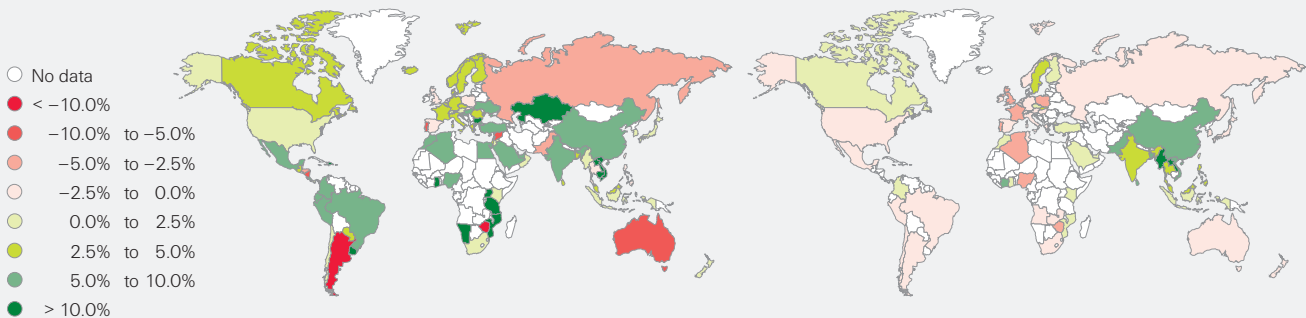
Source: Swiss Re Institute

Real premium growth during COVID-19 crisis (t=2020) vs GFC (t=2008)



## Total real premium growth, 2019 (world map left); outlook 2020-2021F at country level (map right)

(click chart to open in *sigma* explorer)



Source: Swiss Re Institute

# Macroeconomic environment for insurers

**COVID-19 has forced a dramatic change of direction for the global economy. From anticipated slower growth at the start of the year, we now expect sharp and deep recession in 2020, in all regions. The pandemic has triggered enormous monetary and fiscal stimulus, and containment measures to avoid recession turning into depression. Even so, there has been a rapid rise in unemployment, and there will be many bankruptcies. Demand for insurance is set to fall due to the collapse in economic activity, and insurers can expect a low-yield environment for many years to come.**

## Global economic growth and inflation outlook

We expect the global economy to contract by close to 4% this year.

At the time of writing, we forecast that global gross domestic product (GDP) will contract by close to 4% in 2020, double the rate (-1.8%) seen during the global financial crisis (GFC).<sup>2</sup> Growth was on a downward trend even before the onset of the COVID-19 pandemic early this year, having reached a 10-year low of 2.5% in 2019. While drivers of the slowdown like contracting trade and manufacturing had seemed to bottom at the tail end of last year and into January, COVID-19 changed the fate of the global economy completely. The pandemic shock has hit the demand- and supply-side of all economies at the same time, leading to a sudden halt in overall activity. We expect most of the world's 30 largest economies to be in recession in 2020. Due to the lockdown measures taken to contain the virus, we estimate that the fall in GDP in the US and euro area during the first half of 2020 will be twice as large as during the GFC, and will happen more than twice as fast. After sharp downturn in the first half, we expect a protracted recovery in the second half of 2020 and into 2021. Inflation is set to remain low as reduced demand outweighs supply-side disruptions.

The euro area will be harder hit than the US.

Given its greater resilience<sup>3</sup> before the onset of the COVID-19 crisis, the shock to the US economy will likely be less pronounced, and the recovery in 2021 stronger than in the euro area. We project that many of the largest advanced economies will contract by 6.5–7.5% in 2020, and Italy and Spain by close to 10%. Japan and South Korea will fare better. We expect Europe will regain only part of the lost output in 2021, with growth remaining below 4% on the back of structural vulnerabilities. Deeply indebted euro area economies, including Italy, are more likely to experience lasting damage than fiscally-healthy countries like Germany.

China will also suffer.

In China, activity is normalising gradually, but the economy will suffer from the slump in global demand. We forecast that China will grow by 2.7% in 2020, down 3.4 ppt from 2019. There will be a rebound from these lower levels in 2021, with fiscal and monetary support leading to projected 7% growth.

When virus spread is under control, we estimate “new normal” capacity utilisation for economies will be below 95%.

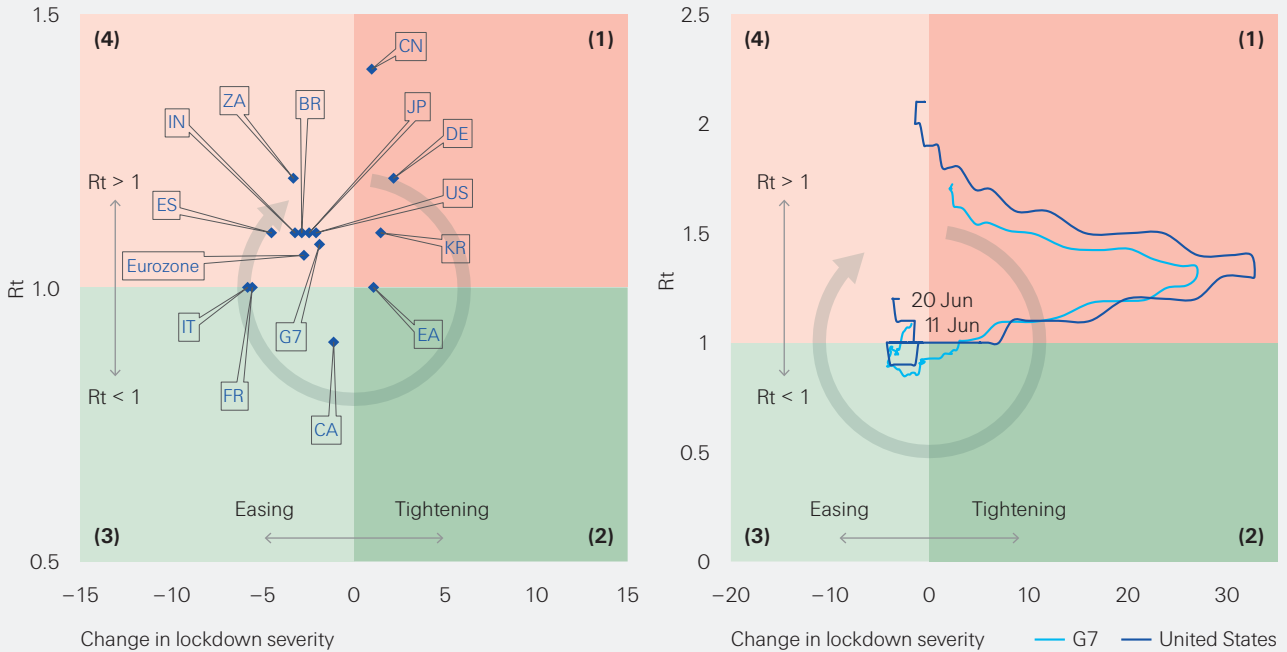
Our SRI Pandemic Macro Clock shows how, at the time of writing, most advanced markets have brought the effective reproduction number ( $R_t$ ) below the critical value of 1 and are reopening their economies (see Figure 1).<sup>4</sup> Weighting by GDP, the largest seven economies'  $R_t$  tracked just below 1 but has started to increase above that threshold again. Governments are working to strike a fine balance between easing lockdown measures and limiting second waves. This fine balance will represent the “new normal” that economies operate in until that time a vaccine or other means of treatment for the COVID-19 virus is found. We estimate that capacity utilisation in this new normal will be below 95% in the world's 20 largest economies, meaning that recoveries will remain protracted.

<sup>2</sup> *sigma* uses nominal GDP in USD at market exchange rates to calculate world and regional averages. This leads to lower values in *sigma* than of other institutions such as the International Monetary Fund (IMF) which are using GDP at purchasing power parities.

<sup>3</sup> Find more on our resilience research in *sigma* 5/2019: Indexing resilience: a primer for insurance market and economies, Swiss Re Institute.

<sup>4</sup> “COVID-19: hitting the sweet spot on the pandemic macro clock”, *Economic Insights* 13/2020, Swiss Re Institute 29 May 2020.

**Figure 1**  
SRI Pandemic Macro Clock today (left) and over time (right)



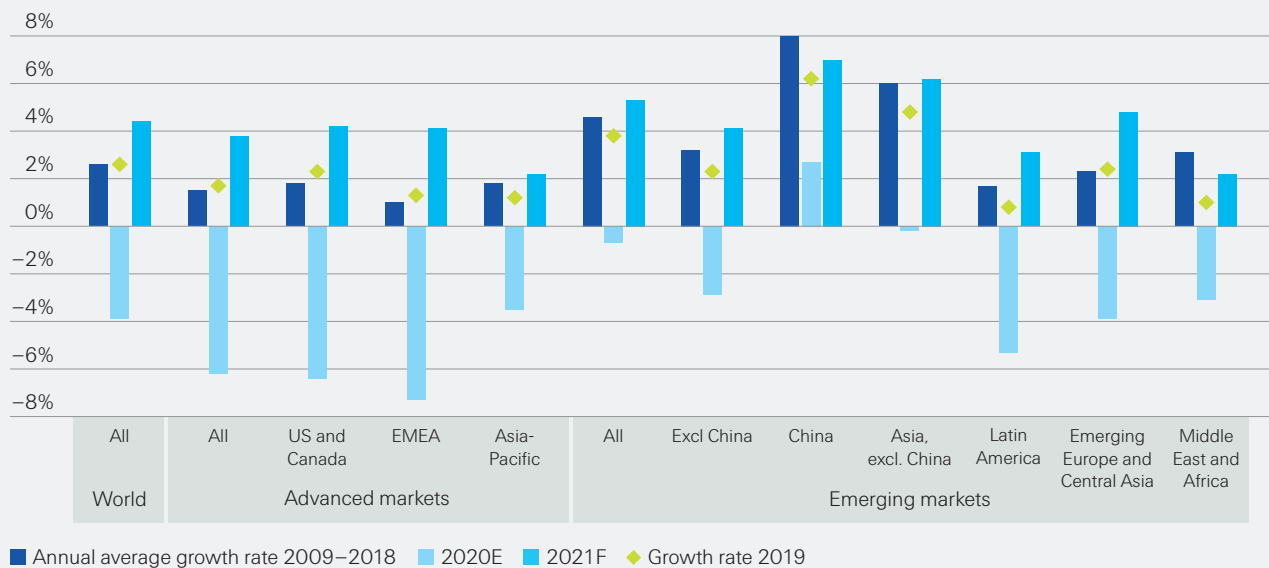
Explanation of quadrants: (1) at the start of the outbreak, infections rise exponentially ( $R_0 > 1$ ) and lockdowns are imposed; (2)  $R_0$  declines below 1 as new infections are contained; (3) governments start easing lockdown measures; and (4) risk of infections picks up again as lockdowns are eased.

Note: 7-day moving-average; change in lockdown severity (w-o-w) is an index calculated using a combination of Google mobility data and the Oxford university stringency index. Values are available with a lag depending on the country, as of 9 June 2020 (China 18 June 2020). Source: Google, Oxford University, Swiss Re Institute

The emerging economies are behind on the pandemic curve, but growth will suffer there too.

Other emerging markets are lagging the advanced in terms of progress along their COVID-19 pandemic curves, but will also be hit hard, particularly those facing pre-existing structural issues. We expect that GDP will contract in almost all of the 10 largest emerging economies. Lower fiscal space, reliance on US dollar funding and strong capital outflows, combined with often fragile health systems and infrastructure will add to the challenges that the pandemic poses. The collapse in commodity prices, notably oil, will benefit the importing but pressure the exporting nations. An additional hit can be expected by a dramatic fall in remittances, which can be as high as direct foreign inward investments and a multiple of foreign aid.

**Figure 2**  
Real GDP growth by region



Monthly updated economic outlooks for key markets are available on the Swiss Re Institute website.  
Source: Swiss Re Institute

There will be high unemployment and bankruptcies, even with massive fiscal and monetary support actions in many markets.

How quickly economic activity picks up once lockdown measures are lifted will depend on the effectiveness of the policy response in containing lasting damage, second waves of infections, the capacity of health systems, and investors' tolerance of higher debt burdens. Despite supportive fiscal and monetary policy actions, the COVID-19 crisis will cause business bankruptcies and a strong spike in joblessness, leaving companies and consumers in a weaker position even when the pandemic shock subsides. We expect unemployment to peak in the first half of this year and then gradually recover. Across regions, different strategies to combat the rise in joblessness have been deployed. In the US, an unprecedented number of people have registered for weekly initial jobless claims: over the course of 13 weeks from the start of the crisis, more than 45 million registered, which is roughly 6 million more than during the entire period of the GFC.<sup>5</sup> After the initial impact in late March, these claims have been falling steadily and many firms have already started to rebuild jobs.<sup>6</sup> Many European countries have actioned partial unemployment schemes, in which the state pays a certain share of wages if employees are retained for the period that businesses are fully or partly shut down. Such programmes have worked well in previous recessions and have shown strong uptake in the current crisis.<sup>7</sup>

Inflation is set to remain low as the demand impacts of lockdowns outweigh the supply-side effects.

Inflation and wage pressures, which we expect to remain low, are important drivers of insurance claims development, particularly in long-tail business such as casualty. Inflation rates were close to 10-year trend in 2019 in the US and the UK, and remained subdued in the euro area and Japan. In the short term, we expect the demand effect of the COVID-19 pandemic on inflation will outweigh the simultaneous supply-side shock, not least because much of the lost spending for example on leisure activities, may not be recovered. Commodity price weakness further suggests that softer demand is also outweighing the supply effect, and that

<sup>5</sup> During the GFC, 39.2 million seasonally adjusted initial jobless claims were recorded between the peak in December 2007 to the trough in June 2009. Source US National Bureau of Economic Research.  
<sup>6</sup> The Paycheck Protection Program likely caused the continuous claims figure to fall and mitigate the extent of a possible fall in employment.  
<sup>7</sup> *Impact of COVID-19 on the European labour market, Part 2*, Deutsche Bank Research, 1 April 2020

## Macroeconomic environment for insurers

China is the outlier due to the hangover of strong inflation pressures in 2019.

In response to the pandemic, central banks have cut rates to the effective lower bound.

Low interest rates for even longer than anticipated will weigh on insurer profits...

...and heightened risk of corporate credit downgrades could also see rising losses in investment portfolios.

inflation pressures remain low. While there has been shortage of some goods, there has so far been little evidence that this is pushing up prices on a broader basis.<sup>8</sup>

We estimate that US inflation will average roughly 0.7% in 2020, and that the euro area will see a depressed rate of consumer price increases of around 0.2%. In China, the effect of sharp increases in pork prices in 2019 has continued into this year, and we estimate that inflation will be at around 3.0% even with the other disinflationary factors, before returning to equilibrium at 2.5% in 2021.

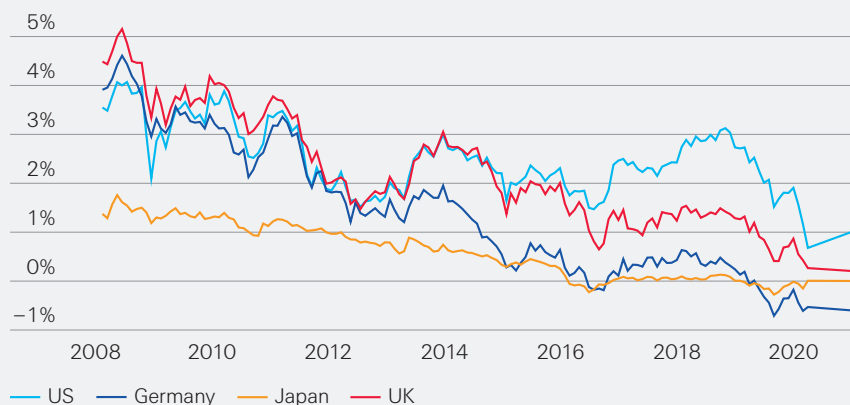
### Interest rates and risky assets

The level of fiscal and monetary stimulus actioned in 2020 in response to COVID-19 is about as large as all emergency packages over the last 50 years combined.<sup>9</sup> Given the economic outlook, we believe central bank interest rates will remain close to zero or even below, for the next two years at least. The central bank tightening cycle had already turned in 2019 with the Fed's "insurance rate cuts". Central banks reacted swiftly to the COVID-19 crisis by reducing policy rates to the effective lower boundary and they have also reactivated and/or stepped-up asset purchases.

Insurers will need to deal with extremely low interest rates for longer. In 2020, bond yields have fallen further from already low levels, with the US 10-year Treasury yield hitting a record low of 0.4% in early March before regaining some ground. We expect central banks to keep borrowing costs low to render higher debt burdens more sustainable. We forecast the US 10-year yield to stand at around 1% by year-end 2020 and 2021, and that the German 10-year yield will remain negative. This environment makes investment decisions more challenging and could harm re/insurers solvency positions, with rising present values of long-tail liabilities.<sup>10</sup>

Corporate credit is typically adversely impacted by recessions given increased default and rating downgrades. During an average recession, nearly 11% of BBB-rated bonds are downgraded to speculative grade, another risk that insurers should monitor. In the US, roughly 50% of the investment grade universe is BBB-rated. As credit spreads have narrowed significantly since mid-March and appropriate measures were taken by insurers, the ultimate impact on insurers' investment portfolios will likely remain limited. On the underwriting side, a rise in defaults and bankruptcies could lead to rising claims in credit & surety lines of business.

**Figure 3**  
Long-term government bond yields data and forecasts



Source: Swiss Re Institute

<sup>8</sup> *Gauging Coronavirus Effects on Inflation*, State Street Global Markets, 10 March 2020.

<sup>9</sup> *The biggest bailouts in history*, Deutsche Bank Research, 20 April 2020

<sup>10</sup> The present value of a liability represents expected discounted future cash flows. As interest rates increase, discount factors decrease accordingly, inflating these positions on the balance sheet.



## Key risks and alternative scenarios to the outlook

US-China tensions continue.

In our view, the main risks to the global growth outlook are on the downside. For example, while the signing of the 'Phase One' deal in January created a hiatus in the trade dispute between US and China, we expect no meaningful resolution anytime soon. In the near term, the US is likely to focus on economic recovery, but the pandemic shock could aggravate tensions between the US and China in the longer term, with the emergence of further protectionist measures, also in other parts of the world. The overall effect of these will drag on growth.

The stability of the euro area has become a bigger concern.

There are also several conflict areas in the euro area, including migration policy, national budgets, and the rule of law. Additionally, the lack of cross-country crisis coordination and the large increase in public debt due to the COVID-19 national policy responses will be contentions among EU member states. Other unresolved issues, such as a relatively fragile banking sector and open sovereign risk sharing approaches, could resurface again stronger in the anticipated downturn.

The global economy and society may look very different post COVID-19.

Every major crisis marks an inflection point, and the global economic shock from COVID-19 is no exception. However, many uncertainties remain, making point forecasts less reliable and scenario thinking even more important. Table 1 outlines alternative scenarios and our associated probability rankings.

**Table 1**

Alternative scenarios and probabilities (in brackets); click on table to see latest economic and financial risk insights

Pessimistic: severe and protracted (10%)	Pessimistic: stagflation (10–15%)	Optimistic (10%)
<ul style="list-style-type: none"> <li>■ Virus outbreak lasts longer with a subsequent wave in 2021, resulting in renewed/extended containment measures.</li> <li>■ Virus outbreak morphs into a credit crisis following a period of economic stagnation.</li> </ul>	<ul style="list-style-type: none"> <li>■ Virus outbreak is kept under control but the containment measures and misaligned policies weaken the economic recovery.</li> <li>■ Further market malfunctioning and massive policy easing lead to an inflationary depression.</li> </ul>	<ul style="list-style-type: none"> <li>■ Virus outbreak is kept under control.</li> <li>■ Lockdown measures are adjusted depending on infection numbers and cause little economic damage.</li> <li>■ Swift and coordinated policy action support a V-shaped, with economic activity normalising quickly.</li> </ul>

Source: Swiss Re Institute

The long-running period of structural low inflation could come to an end.

We think central banks will innovate beyond the 2008 playbook, and that outright fiscal and monetary coordination could become the norm. With governments again acting as lenders of last resort, they have taken on a much larger and more active role in many economies, and are unlikely to reverse that position quickly once the crisis is over. With high fiscal stimulus to bring demand back to life, and still disrupted supply, there is a risk that the long-running era of low inflation could come to an end as containment measures are lifted. Trends of de-globalisation and the emergence of parallel supply chains are amplifying inflation risk. Although not our base case of a protracted economic growth recovery running into 2021, a medium-term scenario of stagflation – higher inflation with economic stagnation – has become more likely.

# Trends in the global insurance markets

Direct premiums written in the global insurance markets were growing steadily by just below 3% in 2019 before COVID-19 hit. We expect the pandemic shock will put overall market growth back by 3 ppt in 2020 and 2021 from the pre-recession growth trajectory. Overall premium volumes will be back at 2019 levels next year, but with diverging trends in life and non-life. We forecast a 1.5% annual average contraction of global life premiums over the two years, stemming mostly from advanced markets. In non-life, we forecast flat premium growth in 2020, followed by a rebound in 2021 supported by rate increases and protracted economic recovery. The growth downturns in life and non-life in 2020 will be of similar magnitude to those seen during the GFC but the recovery will be swifter this time round.

## The impact of COVID-19

Global premiums were growing steadily when COVID-19 hit.

Insurance markets were on a solid growth trajectory before the COVID-19 outbreak, with total global direct premiums written up near 3% in 2019 from the year before, supported by the non-life sector in advanced markets, and life and non-life insurance in China. Total industry premiums outpaced real GDP growth in more than 60% of all insurance markets worldwide. As of now, *sigma* includes accident & health (A&H) business written by health insurers in the US to align practices globally. With the revision, total premiums written in 2019 reached USD 6.3 trillion or 7.2% of global GDP, up from the pre-revision total of USD 5.4 trillion.

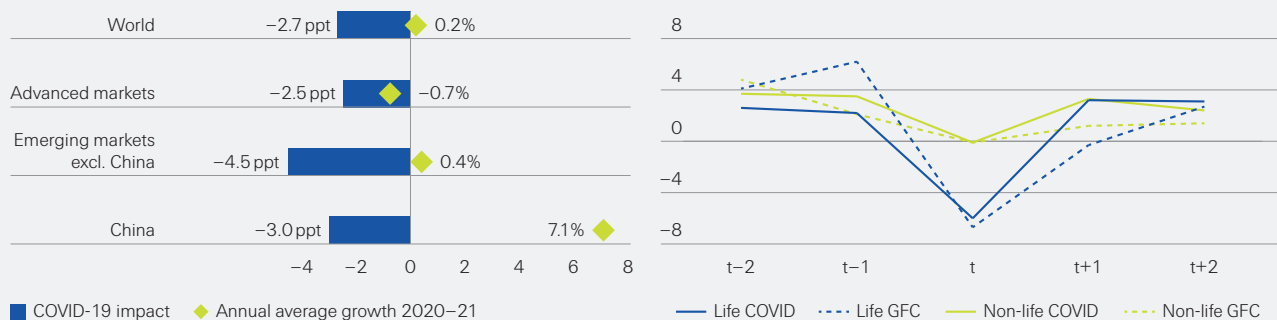
The crisis will lead to a slump in insurance demand this year, but premium volumes will be back at pre-crisis levels by end 2021.

The COVID-19 crisis will hit the insurance industry with *sigma* forecasting a near 3 ppt slowdown in annual average global premium growth in 2020 and 2021 from the pre-crisis growth trajectory. The life sector will be more affected than the non-life (see Figure 4, right side).<sup>11</sup> There will be a steep contraction in premium levels this year, followed by bounce-back. We expect total global direct premiums written will reach pre-crisis levels in 2021, a strong outcome, considering that this year's recession will be the deepest since the 1930s.

The emerging markets excluding China will see the sharpest slump in premium growth.

While we expect that global real GDP will also recover to 2019 levels in 2021, the headline figure masks important regional and sector specific differences. At a regional level, total insurance premium growth in advanced regions and China will be more positive than GDP, mostly driven by non-life insurance.<sup>12</sup> The hit will be hardest in the emerging markets (excluding China), with premium growth put back by 4.5 ppt and there being little growth through 2021. In China, even with a 3 ppt pullback, we forecast that the market will grow by 7% this year and next, mainly due to government support under the rural revitalisation strategy and rising risk awareness (check out *sigma* extra on regional developments available on [institute.swissre.com](http://institute.swissre.com)). The growth pullback in advanced markets will be smaller, but we foresee the largest annual contraction of close to 1% in premium volumes terms through 2021.

**Figure 4**  
COVID-19 impact on annual average premium growth in 2020 and 2021 in percentage points (left), and on premium growth vs GFC (right)



Source: Swiss Re Institute

<sup>11</sup> For the annual average growth in 2020 and 2021 compared to *sigma* forecasts as of end 2019.

<sup>12</sup> This is the result of regional differences and an aggregation effect. Advanced markets have more than a 80% share of global premiums but less than 60% of global GDP.

The impact of the COVID-19 induced recession on premium growth will be similar to that seen during the GFC, but more extreme in non-life.

Relative to market contraction at the time of the GFC, the expected premium growth outcome in 2020 will be less severe in life insurance and of similar magnitude in non-life. We expect that premium growth recovery from the COVID-19 induced slump will be stronger than after the GFC in both life and non-life. In life we do not expect the same lingering financial market turmoil to depress demand, while in non-life hardening premium rates will support premium growth. Still many unknowns as to the progression and longer-term ramifications of the pandemic remain. The alternative macroeconomic scenarios shown in Table 1 could impact the insurance markets as follows:

- Under the **severe and protracted recession scenario** there would be a double-blow to premium revenues with a stronger decline in 2020 and a weaker recovery in 2021 and 2022. A plausible trigger would be a derailed recovery in the second half of 2020, either due to a second wave of COVID-19 or an escalating credit crisis. In this scenario, profitability of long-tail lines would face stronger headwinds from lower interest rates.
- The **stagflation scenario** would manifest through a weaker recovery in 2021 and 2022, with global premium growth put back more than the 3 ppt currently forecast. With inflation overshooting expectations, profitability in casualty business will be subdued due to a rising claims burden.
- Under the **optimistic scenario**, premium growth and investment returns would be stronger than under the baseline scenario. Life and commercial lines would benefit most.

The COVID-19 crisis could accelerate some paradigm shifts and new insurance opportunities.

### Paradigm shifts

Beyond the medium-term impact of the COVID-19 crisis, we also see longer lasting paradigm shifts affecting the insurance sector. Besides loose monetary policy with low interest rates prevailing for longer and a potential threat of higher inflation under a stagflation scenario, which will require insurers to focus on economically sustainable and sound underwriting, we see three likely main developments:

- **Rising risk awareness:** despite pandemics being known as a peak risk, the crisis is raising awareness for the value of insurance across lines of business and client groups globally. Pandemics will not be fully insurable, but the COVID-19 crisis will raise awareness of the associated financial risks and spark innovation for new covers (for ways to deal with pandemic risk see page 18 in non-life section).
- **Accelerated digital transformation:** Lockdowns and the implementation of social distancing rules has highlighted the importance and value of digitalisation through all steps of the insurance value chain. Distribution models need to be digitised to continue selling. Usage-based insurance products are likely to become more attractive as they adjust quickly to changes in behaviour or turnover. Furthermore, approaches to digital claims handling and loss adjustment will become more important in order to continue to settle claims efficiently in the environment of restrictions on mobility.
- **Peak of globalisation and parallel supply chains:** The pandemic has highlighted the risk of non-diversified supply chains. While supply chain redundancy, near and back-shoring will make them more costly, these changes will also provide insurance growth opportunities in countries where new productions are located, including in property, engineering and surety lines of business.

## Trends in the global insurance markets

China remains a key growth opportunity for insurers in the coming decade.

Against this background, and with Asian countries expected to recover more quickly, we believe the ongoing shift in global insurance market opportunity to emerging Asia and China in particular, will continue. We forecast that China's share of global premiums will continue to rise rapidly to an estimated 18% in 2030, still only half the share of the US. However, excluding medical insurance premiums, China remains on track to become the largest insurance market globally by the mid-2030s. By then India, another emerging giant, will also be among the 10 largest insurance markets of the world (see Table 2).

**Table 2**  
Top 15 insurance markets by total direct premium volume, first column shows 2019 rankings

	Global market share			Total premium volume (USD bn)		
	1980	2019	2030F	1980	2019	2030F
1 US	46%	39%	36%	229	2460	3660
2 China	0.0%	10%	18%	–	617	1777
3 Japan	15%	7.3%	6.1%	75	459	621
4 UK	6.9%	5.8%	4.0%	35	366	404
5 France	5.1%	4.2%	3.2%	26	262	325
6 Germany	8.0%	3.9%	3.2%	40	244	320
7 South Korea	0.3%	2.8%	2.5%	2	175	258
8 Italy	1.7%	2.7%	2.4%	8	168	247
9 Canada	2.6%	2.1%	2.0%	13	133	205
10 Taiwan	0.1%	1.9%	2.0%	1	118	205
11 India	0.4%	1.7%	2.3%	2	106	234
12 Netherlands	2.1%	1.3%	1.1%	10	84	110
13 Ireland	0.2%	1.2%	1.1%	1	75	114
14 Brazil	0.4%	1.2%	0.9%	2	74	91
15 Hong Kong	0.0%	1.1%	1.2%	–	72	126

Source: Swiss Re Institute

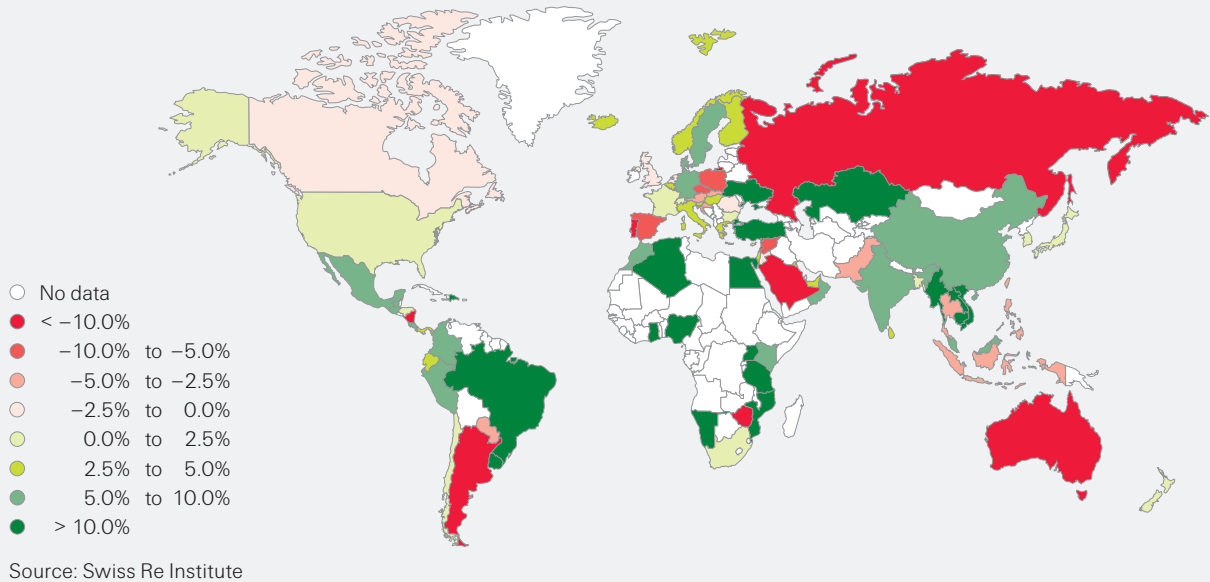
We forecast that global life premiums will fall by 1.5% on average in 2020–2021.

## Life insurance

### Key developments

We expect the COVID-19 crisis to have a severe negative impact on global life premiums, inflicting an average annual contraction of 1.5% in 2020 and 2021. The market grew by 2.2% in real terms in 2019, with premiums at USD 2 916 billion. That was a slight deceleration from 2.6% growth in 2018, driven by a slowdown in advanced markets, but was still above the annual average of the previous 10 years (1.5%). We forecast a steep contraction in life premiums in 2020 as rising unemployment and dwindling incomes drag on demand, and lockdown measures slow distribution activities. There will be a rebound in 2021, but it will be too soft to fully compensate this year's decline, which will be more pronounced in advanced markets, particularly the US and Canada. There will be a decline in the emerging markets in 2020, but there we expect positive aggregate premium development over the two years period.

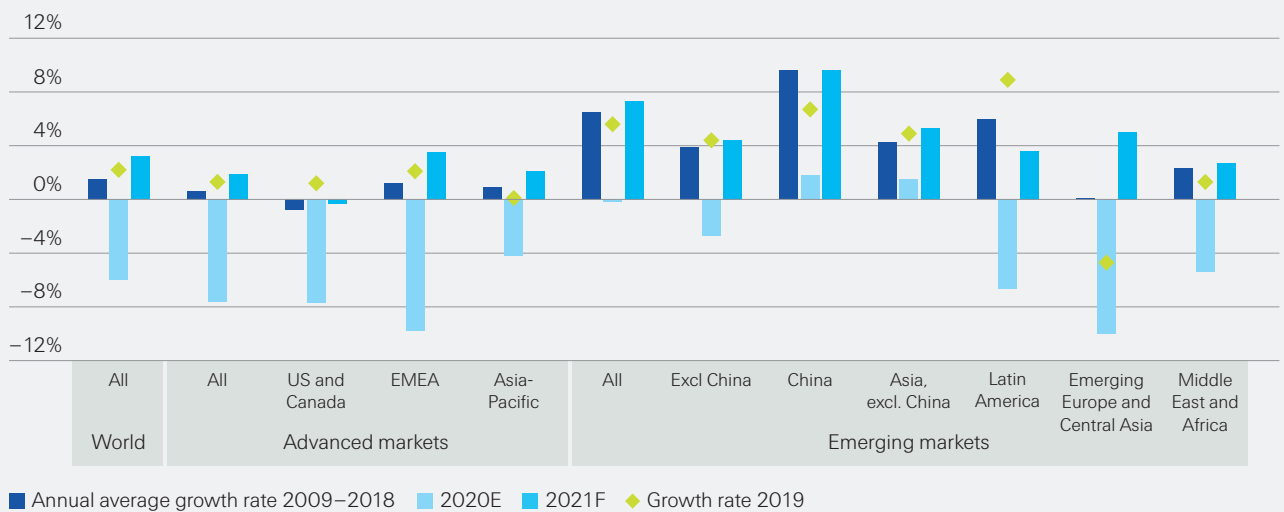
**Figure 5**  
Life real premium growth, 2019 (click chart to open in *sigma* explorer)



Life premium growth in the advanced market slowed in 2019, but to varying degrees.

Aggregate advanced market life premium growth slowed to 1.3% in 2019, still stronger than the annual average of the previous 10 years. US premium growth decelerated to 1.4% from 5.1% in 2018, with an increase in ordinary life sales not fully offsetting a slowdown in annuities. In advanced EMEA, aggregate premiums grew by 2.1%. Solid growth in many markets (notably Italy (3.9%) and Germany (6.9%)), partially compensated for a drop in the UK (-1.2%). Premiums were flat in advanced Asia-Pacific (0.1%), due in part to another decline of more than 25% in Australia where there has been a drop in consumer confidence after allegations of mis-selling.

**Figure 6**  
Life real premium growth by region



## Trends in the global insurance markets

Premium growth in the emerging markets returned to positive territory last year.

Life premium growth in the emerging markets bounced back to 5.6% in 2019 after falling by 2% in 2018, but was still short of the long-term average (6.5%). The recovery was mainly China-driven, with premiums there rising by 6.7% after a contraction of 5.4% in the previous year due to tighter regulations on sales of universal life products. Elsewhere in emerging Asia, life premium volumes continued to increase (4.3%), supported by robust growth in key markets. Growth contracted in emerging Europe and Central Asia, mainly due to a sharp turnaround in Russia given economic slowdown there, and weakness in savings business in the EU-member countries. In Latin America premium growth expanded strongly by about 9%, based on a strong rebound in demand for savings products in Brazil following social security reforms. Growth in the Middle East and Africa remained weak, reflecting the challenging economic environment in the region.

*sigma* estimates that COVID-19 will reduce global life market growth by more than 4 ppt.

### Outlook

We expect that the COVID-19 crisis will have a severe negative impact on growth in the global life insurance sector in the short to medium term. We estimate that premiums will decrease by an annual average of more than 1.5% in real terms over the next two years. This is more than 4 ppt lower growth than *sigma* had forecast before the onset of the crisis.

Group businesses and individual savings business will be hit most.

Group business, particularly annuity and mortality products, will likely be most directly hit by the rising unemployment that results from the COVID-19 induced economic slowdown. Reduced in-person interaction and an aversion to taking medical exams are an additional drag for new individual life business. High stock market volatility, low interest rates and a negative income effect from the economic downturn will lower demand for new savings business, particularly in 2020. Suspensions of premium payments or lapses of policies are compounding factors. Premium development in mortality business is typically stable from year to year, and is also less correlated to developments in financial markets. We expect slower growth in 2020 followed by recovery in 2021. In the medium term, demand could increase as consumer awareness of the need for and financial benefits of mortality products is boosted by the COVID-19 experience.

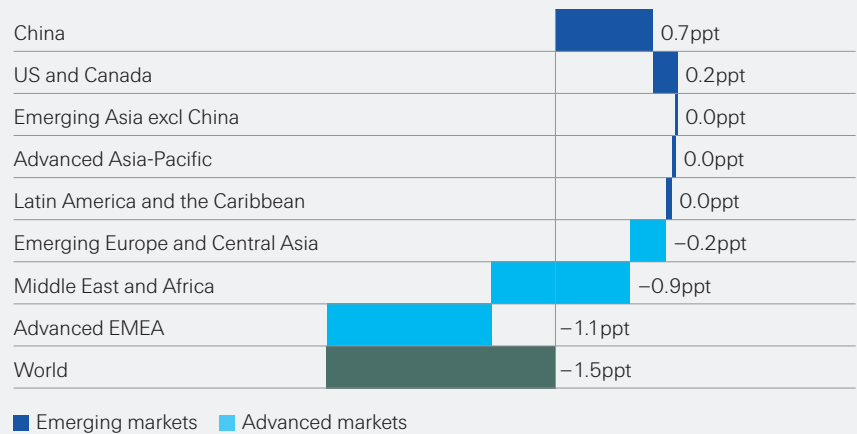
We expect advanced market premiums to contract by twice as much as the global average.

We expect life premiums in the advanced markets to shrink by around 3% on average in 2020–2021, with steep declines in the US, Canada and advanced EMEA this year. We project that the US will stagnate in 2021, while key markets in Europe regain some ground. The outlook for advanced Asia-Pacific is also depressed but not as much as for other regions. The expectations of low(er) interest rates for even longer will continue to be an obstacle for traditional life insurance policies with guarantees as a savings vehicle. This will continue to accentuate the shift of insurers to focus on protection products and on less capital-intensive unit-linked products.

China will return as the growth engine for emerging markets.

Life premium growth in the emerging markets will stagnate in 2020, and recover in 2021. However, fortunes in emerging Asia will contrast starkly with the other regions. There we expect premium growth to remain positive in 2020, and bounce back strongly after a COVID-19 induced slump, particularly in China. The fast adoption of digital distribution channels, further liberalisation of the life sector and rising risk awareness will support the recovery. In other emerging regions, with many key markets like Brazil, Mexico, Turkey and South Africa already in slowdown mode before the pandemic, premium growth will turn sharply negative in 2020. We expect the downturn to be most severe in emerging Europe, with a 10% contraction in premiums. Overall, we expect China will contribute most (0.7 ppt) to life premium growth over the next two years, followed by the rest of emerging Asia (0.2 ppt). The contribution from all other regions will be flat to negative.

**Figure 7**  
Contribution to annual real life premium development by region, 2020–2021F



Note: values in this figure are rounded  
Source: Swiss Re Institute

The impact of COVID-19 on the insured will be less than on the general population.

It is too early to say with confidence how COVID-19 will affect claims for L&H insurers, but we believe the impact on the mortality rate of in-force books will be lower than for the overall population, for two reasons:

- **Age:** deaths from COVID-19 have been concentrated among older adults, who tend to have weaker immune systems. The insured population, in contrast, is typically 30–65 years old.
- **Morbidities:** death rates are higher among people of all ages with chronic medical conditions (eg, cardiovascular disease, diabetes, respiratory diseases, hypertension). Those with life insurance are typically healthier than the general population.

Thus overall, unless the number of deaths increases significantly – which will depend on the success of virus containment and ongoing social-distancing strategies – the impact on life insurers will be manageable, in our view.

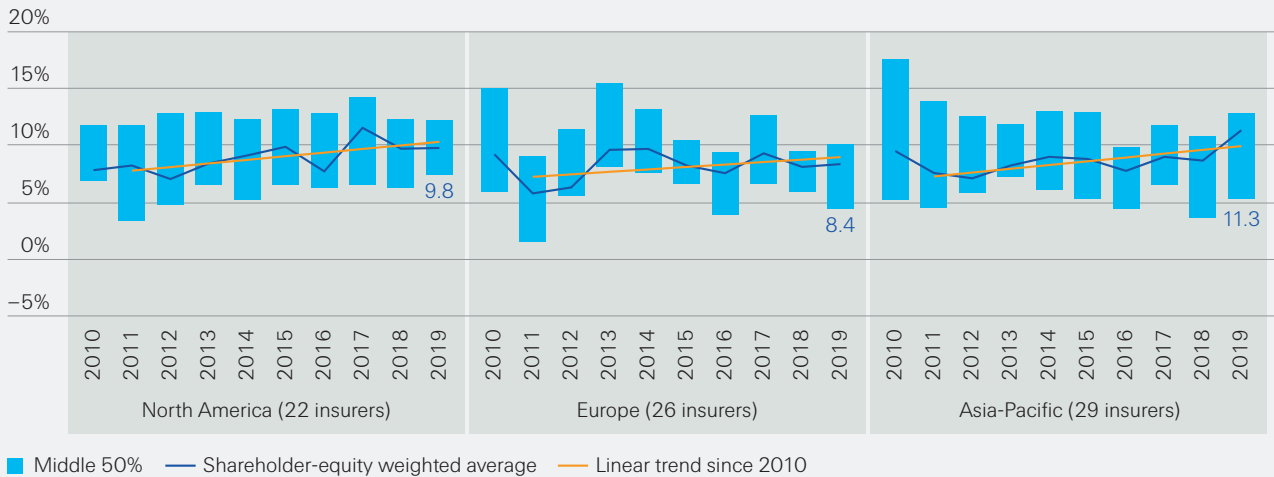
### Profitability

Persistent low interest rates in advanced markets have pressured life insurers and undermined profitability, especially in Europe. In search of higher yields, insurers have increased their investments in alternative asset classes (eg, private equity, real estate) and lower-rated corporate bonds. Using a sample of 22 North American, 26 European and 29 Asia-Pacific life and composite insurers, we estimate sector profitability in 2019 – as measured by ROE – was strongest in Asia-Pacific, with a weighted average of 11% (compared to 8.7% in 2018). ROE levels were almost flat in North America (9.8%) and Europe (8.4%), below the trend since 2010.

Low interest rates will be the major concern for life insurers.

## Trends in the global insurance markets

**Figure 8**  
ROE of 74 global composite and life insurance companies



Source: Bloomberg, Swiss Re Institute

Broader fallout from the COVID-19 crisis will likely further undermine sector profitability.

We expect the COVID-19 crisis will negatively affect life sector profitability mainly through lower demand, prices, fees and investments returns. The deterioration in equity markets and further decline in interest rates will put more pressure on earnings, reserves and capital in 2020. Elevated market volatility and a significant deterioration in the credit quality of fixed income securities could put life insurers' solvency and capital levels under additional pressure. Savings-type business will be most impacted by the market volatility that has resulted from the pandemic. Protection business has lower annual volatility and will be less affected. While the global recession in 2020 will limit sales of life savings policies, protection business could face above-normal claims related to COVID-19, even if the population group most affected by the virus (65+) are not core holders life mortality products. For all these reasons, we expect sector ROE will be weaker this year than in 2019.



## Non-life insurance

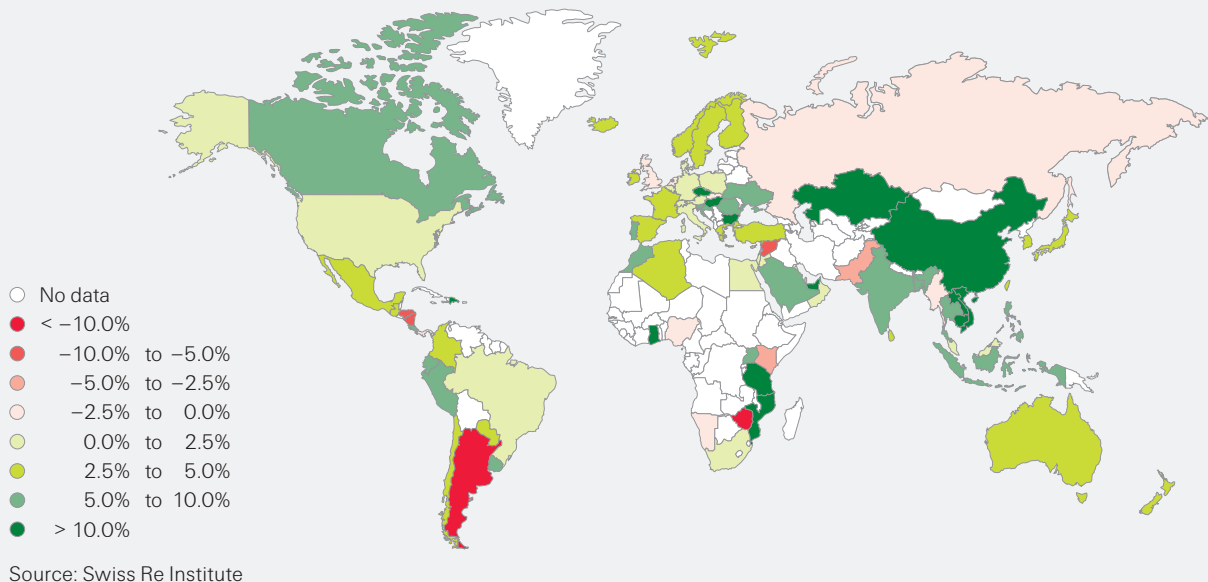
We forecast that global non-life premiums will grow by 1.6% on average this year and next.

### Key developments

The COVID-19 induced recession will slow growth in the non-life insurance market this year after a 3.5% gain in premiums to USD 3 376 billion in 2019,<sup>13</sup> slightly above the 10-year average of 3.2%. We forecast that global non-life premium volumes will contract by 0.1% this year, and that growth will rebound to 3.3% in 2021. On average, we forecast that non-life premium growth will be 1.6% over 2020 and 2021. Advanced market premiums will fall by close to 1% and emerging market growth will remain positive at an estimated 3% in 2020. Amidst many uncertainties, we forecast that advanced market premium growth will rebound to more than 2% in 2021, and that emerging market premiums will grow by around 7%.

**Figure 9**

Non-life real premium growth, 2019 (click chart to open in *sigma* explorer)



Non-life premiums grew by 2.7% in the advanced markets in 2019...

In advanced markets, non-life premium growth slowed to 2.7% in 2019 from 3.1%. Asia-Pacific came out on top with a 4.1% gain, spearheaded by Hong Kong with a 7.1% increase in premiums due to strong growth in A&H business (including medical insurance) and general liability. Premiums in the US and Canada grew by 2.4%, about 1 ppt below the 10-year average, mainly due to weaker growth in US A&H. EMEA recorded solid 2.9% growth, nearly 2 ppt above the historic average, based on improved rates in commercial lines in several markets. With the UK due to leave the EU, insurers continue to relocate to countries within the European Economic Area, such as to Luxembourg, where premium volumes almost tripled last year.

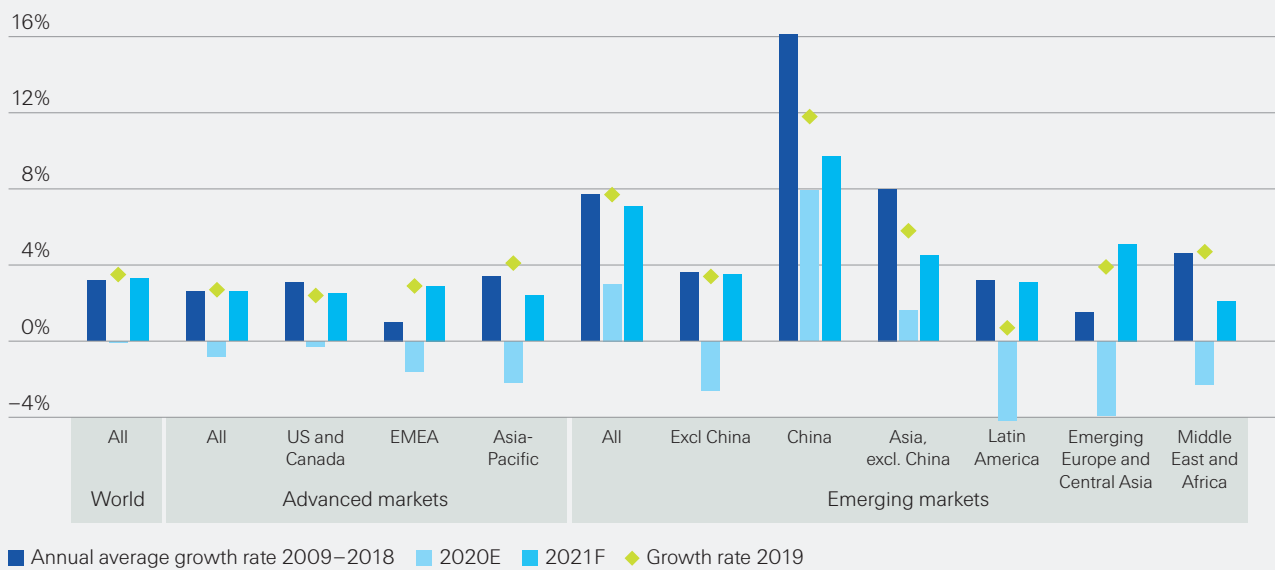
<sup>13</sup> Starting this year, *sigma* data retrospectively includes A&H business written by health insurers in the US figures to align with practice in other regions. In 2019, premiums from this line of business were USD 912 billion. Due to its size and different growth dynamic, volumes and growth rates have changed compared to older editions of *sigma*.

## Trends in the global insurance markets

...and by 7.7% in the emerging markets.

Premium growth in the emerging economies strengthened to 7.7% in 2019 (2018: 6.9%), in line with the 10-year average. Emerging Asia continued its expansion although at a slower pace, with premiums up 5.8% (and by 12% in China). A&H remained a major contributor but motor was weaker, with de-tariffication in China and other markets adding competitive pressures. Marginal growth (0.7%) in Latin America for a second year running. Market hardening in the Middle East pushed growth above the long-term average, while stagnating premiums in Africa reflects the weak economic environment.

**Figure 10**  
Non-life premium growth in real terms



Source: Swiss Re Institute

The insurance industry's contribution to resilience goes well beyond payouts resulting from natural catastrophes.

### Natural catastrophes

Worldwide, economic losses from natural and man-made disasters in 2019 were USD 146 billion, lower than USD 176 billion in 2018 and the previous 10-year annual average of USD 212 billion. The global insurance industry covered USD 60 billion of the losses, compared with USD 93 billion in 2018 and USD 75 billion on average in the previous 10 years. While severe weather events were still the main driver of overall losses, amplified by socio-economic developments, such as economic development or urbanisation in affected areas and climate-change effects, the decrease in overall losses last year stemmed mainly from the absence of large and costly hurricanes in the US. Forecasts for the 2020 hurricane seasons point to above-average activity. In addition, the COVID-19 crisis could increase losses from hurricanes and from natural catastrophes in general, due to reduced preparations and mitigation activities, increased costs for claims adjustment (ie, remote claims adjustment) and increased contractor costs.<sup>14</sup>

<sup>14</sup> COVID-19 and hurricanes, KCC Event Brief, Karen Clark & Company, 26 May 2020.

Non-life insurance premiums are set to stagnate in 2020.

Premium growth will slow across all lines. Personal lines (except motor) will be more stable.

### Outlook

We forecast the sharp fall in economic activity during the first half of 2020 due to the COVID-19 crisis will depress global non-life insurance premium growth. We estimate the market will contract by 0.1% this year, with a stabilising effect coming from A&H. For Property & Casualty (P&C) only (ie, excluding medical insurance, a subset of A&H), premiums are set to decline by more than 2%. We expect commercial P&C business to lead the non-life market bounce back in 2021, supported by rate improvements and economic recovery. Overall, we estimate a 1.1 ppt pullback in premium growth due to COVID-19 crisis, making for aggregate sector expansion of 1.6% over 2020–2021.

Growth will slow across lines of business in 2020, but the magnitude of slowdown will vary (see Figure 11). Demand for personal lines, property and medical insurance tends to be relatively inelastic, and these premiums will likely continue to grow in 2020. History suggests that personal motor also tends to be inelastic, particularly in mature markets, but the current situation is unprecedented: due to the broad lockdowns, road travel has collapsed, leading to much lower frequency of accidents. As a result, in many markets insurers have been able to provide policy holders with premium rebates. We expect motor premiums to shrink by close to 5% in the large mature markets, but only marginally in the emerging markets.

**Figure 11**  
Market size in USD billion in 2019 and impact of COVID-19 recession on premiums and claims across non-life

		Market size	Premiums	Claims
Personal lines	Personal motor	600	Neutral	Positive
	Personal property	210	Neutral	Positive
Commercial insurance	Commercial motor	180	Negative	Positive
	Commercial property	220	Negative	Negative
	Liability	200	Negative	Negative
	Workers compensation	60	Negative	Negative
	Engineering	20	Negative	Neutral
	Credit	30	Negative	Negative
	Marine	30	Negative	Neutral
	Aviation	5	Negative	Neutral
	Event cancellation	<1	Negative	Negative
Mixed	Medical insurance	1 400	Positive	Positive
	Other accident & health	270	Positive	Negative

Source: Swiss Re Institute

Premiums in commercial lines tend to be more sensitive to economic downturn.

Commercial lines are more sensitive to variations in turnover of companies or work force. We therefore expect a stronger decline in commercial insurance premiums. While liability should be more stable, workers' compensation, where premiums are directly linked to payrolls, could see strong declines as unemployment has been rising at unprecedented speed, particularly in the US. Other A&H business written by life and non-life insurers will also suffer from rising joblessness. The hardest hit lines will likely be those closely linked to transport, travel, trade and entertainment. Air traffic has virtually come to a standstill. International trade and domestic transport are hampered by lockdowns, as are sporting and cultural events, which have been cancelled almost entirely for the first half of 2020. We therefore expect premium volumes in marine, aviation, trade credit and event cancellation, relatively small lines of business, to drop most strongly.

## Trends in the global insurance markets

In addition to the demand side, COVID-19 is also reducing supply of insurance.

Underlying fundamentals will help support non-life growth in 2021.

The crisis is not only curbing insurance demand. Insurers are also seeing and expect more COVID-19 related claims (see box below). They have also recorded large market losses from equities and alternative assets, even though markets have recovered from earlier lows. Both factors will reduce risk appetite (ie, the supply of insurance this year and next). Contingent on the *sigma* economic baseline scenario, we see a recovery in non-life premium volumes, which will be supported by hardening rates in commercial insurance, particularly in loss-hit lines.

Global non-life premium growth is set to rebound in 2021, but with economic risks tilted to the downside, the recovery may not be as strong as anticipated. Still, underlying factors will likely support the sector. In addition to the opportunities arising from the paradigm shifts highlighted above (rising risk awareness, accelerated digitisation, new and parallel supply chains), insurance solutions for pandemic risk could gain traction to cover risks after COVID-19. Due to the non-diversifying nature of pandemics (the whole world affected simultaneously) most such solutions would need government involvement in some form of backstop.<sup>15</sup> Pools have been successfully used to deal with risks of similar nature, such as terror. Consequently, in the UK there are industry proposals to extend the existing terror pool to include pandemic risk, including for business interruption-related losses.<sup>16</sup>

COVID-19 related claims in non-life could turn out to be very large...

...but we expect the insurance industry will be able to absorb the losses.

Lines of business impacted, and how.

### COVID-19 related losses and impact on insurance rates

As COVID-19 is still a live event, there is great uncertainty around how large the claims burden triggered by COVID-19 will be. The range of current estimates is very wide. For example, Willis Tower Watson estimates a range between USD 10 billion and USD 140 billion (optimistic to very pessimistic) for the US and the UK (including the London market), which would add up to 18% to the claims ratio in those markets alone.<sup>17</sup>

The mid-point estimate for global COVID-19 related losses in P&C from a collection of sources is USD 55 billion.<sup>18</sup> To put that into context, this is slightly more than losses from natural catastrophes covered by the insurance industry in 2019, but less than those during 2011 (USD 145 billion). Compared to individual peak-loss hurricane events, the mid-point estimate is more than Hurricane Maria in 2017 (USD 34 billion at 2019 prices), but less than Hurricane Katrina in 2005 (close to USD 90 billion). The upper end of the global P&C loss estimates from COVID-19 from the same sources is at USD 100 billion, similar scale as Hurricanes Harvey, Irma and Maria in 2017. The insurance industry found a way to deal with the very large losses from these peak events.

With respect to lines of business impacted, we expect travel insurance and some event cancellation covers will be triggered, even though pandemics are often excluded. Other larger lines of more relevance in the P&C universe include:

- **Property:** Pandemics are generally not covered. Business interruption (BI) covers are usually linked to property damage, and pandemics are often excluded in standard policy wordings for small and medium enterprises (SME). There have already been court cases in the US and in other countries on the scope of BI cover.

<sup>15</sup> C. Mumenthaler, *Lessons from COVID-19: How a science- and partnership-driven approach to risk can win the battle*, Swiss Re, 4 May 2020

<sup>16</sup> O. Ralph, "Insurers plan to include pandemics in UK terror scheme", *Financial Times*, 1 June 2020.

<sup>17</sup> *Willis pegs maximal Covid-19 loss at \$140bn*, Insurance Insider, 1 May 2020. Not considered are legislative attempts of retroactively nullifying pandemic exclusions in a number of US states, as these are perceived to fail a constitutional test. The cost of such changes could amount to several hundred USD billion, beyond the USD 800 billion capital base of the industry to absorb such losses. See *The COVID Catastrophe*, A.M. Best, June 2020.

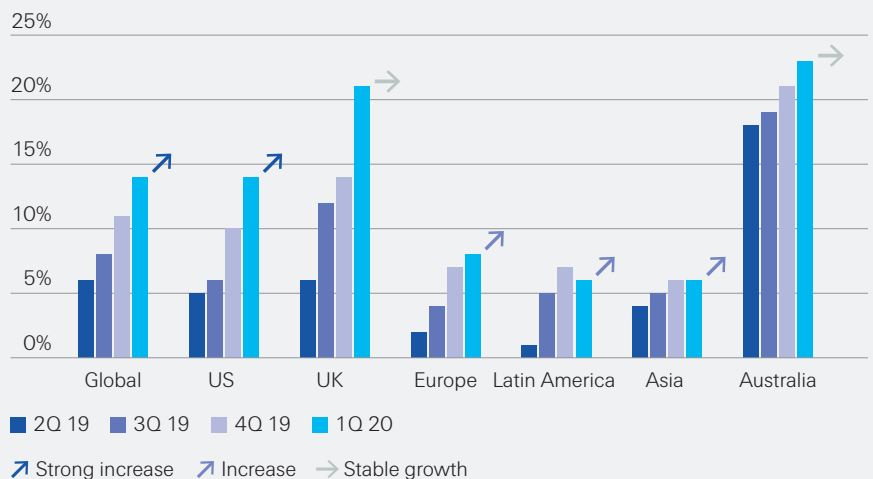
<sup>18</sup> This is based on estimates by Autonomous, Barclays, UBS and Bank of America that each range from USD 31 billion to USD 86 USD billion, USD 32 billion to USD 80 billion, USD 30 billion to USD 60 billion and USD 30 billion to USD 97 billion, respectively.

The losses will put upward pressure on pricing and support growth of premium volumes.

- **Liability:** Directors & Officers insurance and medical malpractice could see COVID-19 related claims, mainly in the US. With large losses of market values, there could be allegations against boards for not having prepared adequately for pandemic risks or not communicated the risks properly. Medical institutions and nursing homes could also face claims from alleged inadequate protection and/or from malpractice.
- In **workers' compensation** insurance, claims could rise rapidly for healthcare workers (and other essential workers). In the US, several states (eg, California, Pennsylvania) have issued so-called presumptions for healthcare, first responders and other industries that effectively establish COVID-19 cover for these industries. There is some offset from lower accident frequencies in other sectors due to the lockdowns.
- **Credit and surety** insurance may also be affected, due to sharply rising claims from failures to meet financial and contractual obligations and insolvencies.

In commercial lines, COVID-19 related losses will put upward pressure on rates as capital becomes more scarce. We also expect higher demand from rising risk-awareness, despite a subdued economic outlook. Ultimately the actual size of losses incurred will be one of the key factors influencing by how much and how sustained price increases in commercial lines business will be, and by how much this will support premium growth in 2020 and 2021. Indicators of 2020 rate increases in the US suggest that this is already the case across several lines of business.<sup>19</sup> Globally, the basis rate increases in commercial lines that started last year gained ground during the first quarter of 2020, and we expect this to continue, particularly in Europe, Asia and Latin America. Important to note, however, commercial lines represent roughly a quarter of global non-life premiums. The impact of broader rate improvements on aggregate non-life premium growth will likely be more muted.

**Figure 12**  
Commercial insurance  
composite rate outlook



Source: Marsh, Swiss Re Institute

<sup>19</sup> IVANS Index: Premium Renewal Rates Accelerate Across Most Lines, IVANS Index™, Q2 2020

## Trends in the global insurance markets

Emerging Asia will lead the premium growth comeback after the COVID-19 shock...

We forecast that non-life premiums in advanced markets will fall by close to 1% in 2020, with the large and steadily growing medical insurance business preventing a larger drop. The biggest drop will be in the advanced EMEA region, followed by the US and Canada. Improved rates and economic recovery will lead to around 2% premium growth in 2021. Emerging market premium growth will slow to 3.0% this year before bouncing back to around 7% in 2021. We expect that premium volumes in all regions other than emerging Asia will contract in 2020.

...led by China.

Growth in China will slow by 4 ppt to around 8% in 2020 before improving to close to 10% in 2021. There will be a decline in SME, BI, credit, travel and motor insurance, but government policy and increased risk awareness will offer support. Premiums in other emerging Asian countries will also recover next year, but not as strongly as in China. Premiums in emerging Europe and Central Asia will decline strongly this year, given proximity and trade dependence on western Europe and deep recession in Russia and Turkey. The weak economic situation in Latin America and the Middle East and Africa before the COVID-19 pandemic, combined with the collapse oil prices and tourism revenues will show through in market contraction.

Commercial rate hardening continued in 2019.

### Profitability

Underwriting conditions started to improve at the end of 2017 and through 2018, and rates strengthened in 2019 and into the first quarter of 2020, particularly in commercial lines. The situation at the onset of the COVID-19 crisis is in stark contrast to circumstances at the time of the GFC in 2008–09, when non-life pricing was in a softening phase of the cycle. For this reason, we expect the hit to sector profitability will be less severe in the current recession, and see the outlook as more favourable.

Underwriting results in 2020 will be driven by the ultimate COVID-19 related claims load outcome.

If COVID-19 related claims turn out at the upper end of the estimates, underwriting results will deteriorate in 2020, particularly in the US and the UK. Even in a more benign scenario, they will deteriorate rather than improve. By how much will ultimately depend on how increasing COVID-19 related claims and premium rebates are balanced with lower claims due to declining loss frequency in some lines of business due to lockdowns, and also with rate improvements. There will likely be many more claims in (the comparably small segment of) credit & surety, and higher claims in workers compensation for health workers. In the US and other Anglo-Saxon countries, there may well also be additional claims in D&O and medical malpractice.

The underwriting outlook for 2021 is improving; investments returns will remain subdued.

Underwriting results should improve in 2021 but the profitability outlook for the primary insurance sector will remain challenging. There will likely be increased competitive pressure on premium rates in personal lines but on the flipside, demand for commercial insurance is set to improve, and rate hardening will be supportive, particularly in lines of business affected by losses related to COVID-19. Investment returns will remain under pressure with interest rates to remain low for longer.

## Regional details

Details on insurance developments across the different regions, insurance penetration and density can be accessed on the *sigma* research page on [swissre.com](http://swissre.com). Data from a region to the country level can be visualized on [www.sigma-explorer.com](http://www.sigma-explorer.com)

# Appendix

## Methodology and data

This study looks at insurance premium volumes data from 147 countries.

This *sigma* study is based on the direct premium volumes of insurance companies, regardless of whether they are privately or state owned. Premiums paid to state social insurers are not included. Life and non-life premium volume in 147 countries is examined. Detailed information on the largest 88 countries in terms of total insurance premium volume can be found in the statistical appendix. Additional country information is available online at [www.sigma-explorer.com](http://www.sigma-explorer.com). Where not indicated, figures and chart information in this report are all sourced from Swiss Re Institute.

All quoted growth rates are in real terms, ie adjusted for local inflation to facilitate international comparison.

Unless otherwise stated, premium growth rates indicate changes in real terms. These real growth rates are calculated using premiums in local currencies and are adjusted for inflation using the consumer price index for each country. The statistical appendix also provides the nominal change in growth for each country. Regional aggregated growth rates are calculated using the previous year's premium volumes and converted into US dollars at market exchange rates. The same procedure applies to the economic aggregates of Table X, where the previous year's nominal GDP figures in US dollars are used as weights. Real growth rates are used to cancel out exchange rate movements while facilitating international comparisons particularly between high and low inflation countries.

Figures are converted into US dollars at running annual average market exchange rates.

Using the average exchange rate for the financial year, premium volumes are converted into US dollars to facilitate comparisons between markets and regions.<sup>20</sup> Where no premium data is available (indicated by "na." for the local currency value in the tables), the premium income in US dollars is estimated assuming a constant ratio of insurance premiums to GDP. Regional growth rates are calculated using a weighted average of the real growth rates of the individual countries. The weighting is based on the relevant premiums of the previous year in USD.

Country classifications generally follow IMF conventions.

The designation of the economies in this *sigma* as "advanced" or "emerging" is generally in keeping with the conventions of the International Monetary Fund (IMF). Advanced economies include the US, Canada, Western Europe (excluding Turkey), Israel, Oceania, Japan and the other advanced Asian economies (Hong Kong, Singapore, South Korea and Taiwan). All other countries are classified as "emerging" and generally correspond to the IMF's "emerging and developing" economies.<sup>21</sup>

Data sources

The insurance data and estimates contained in the study originate primarily from national supervisory authorities and, in some cases, from insurance associations. Macroeconomic data was sourced from the International Financial Statistics of the IMF, Oxford Economics and IHS Markit.

Definition of premium income

This report is based on information concerning the premiums written for direct business by all registered insurers. This means:

1. Direct insurance premiums, including commissions and other charges, are considered prior to cession to a reinsurance company.
2. Domestic insurers – regardless of their ownership – and domestic branches of foreign insurers are regarded as domestically domiciled business units. By contrast, business undertaken by the foreign branches of domestic insurers is not regarded as domestic business.
3. Business that has been written in the domestic market includes premiums for cover of domestic risks as well as those covering foreign risks, as long as they are written by domestic insurers (cross-border business).

<sup>20</sup> In Egypt, India, Iran, Japan, South Korea and Malaysia, the financial year is not the same as the calendar year. Precise details about the differences in dates are given in the notes to the statistical appendix.

<sup>21</sup> The only exceptions are the Czech Republic, Estonia, Latvia, Lithuania, Slovenia and Slovakia.

## Appendix

Health insurance is allocated to non-life business.

Life and non-life business areas in this *sigma* study are categorised according to standard EU and OECD conventions: health insurance is allocated to non-life insurance, even if it is classified differently in the individual countries.

Density and penetration do not include cross-border business.

Only premium income from domestic risks is used to calculate insurance penetration and density. Cross-border business is not included. This has a significant effect in Belgium, France, Liechtenstein, Luxembourg, Ireland, Malta, Norway, Singapore or the UK.

Statistical appendix

The statistical appendix contains additional calculations and the macroeconomic data used for currency conversions.

Acknowledgements

The *sigma* editorial team would like to thank the supervisory authorities, associations and companies that helped with data compilation.



# Statistical appendix

- + provisional
- \* estimated
- \*\* estimated USD value assuming constant insurance penetration.
- 1 Excluding cross-border business
- 2 Insurance penetration (premiums as a percentage of GDP) and density (premiums per capita) include cross-border business
- 3 US and Canada, Advanced EMEA, Advanced-Asia Pacific
- 4 Latin America and Caribbean, Emerging Europe and Central Asia, Emerging Middle East, Africa, Emerging Asia
- 5 34 member countries
- 6 The US, Canada, the UK, Germany, France, Italy, Japan
- 7 The US, Canada, Mexico
- 8 Singapore, Malaysia, Thailand, Indonesia, the Philippines, Vietnam. The four remaining member countries – Brunei, Cambodia, Laos and Myanmar – are not included.
- 9 Life insurance: premiums are supplemented by estimated premiums for group pension business, which has not been included in the statistics for some regions since 2001. Non-life insurance includes state funds.
- 10 Life insurance: net premiums
- 11 Non-life insurance: gross premiums, including reinsurance premiums
- 12 Financial year 1 April 2019 – 31 March 2020
- 13 Financial year 21 March 2019 – 20 March 2020
- 14 Financial year 1 July 2018 – 30 June 2019
- 15 Financial year 1 July 2018 – 30 June 2019.  
Australia: until 2012, supervisory data included premiums written by public insurers. However, this is not available in 2013 thus contributing to the significant decline in annual comparison.
- 16 Inflation-adjusted premium growth rates in local currency, see Tables II, IV and VI
- 17 Including the remaining countries
- 18 Effective inflation used for calculating real growth rates is estimated by the Institute for International Finance.
- 19 Supervisory authority data for 2013 no longer reports premiums written by public insurers. Retrospectively starting 2003, public insurer data has been removed from the *sigma* data set and the data has been changed to calendar year data. Prior 2003 financial year is from 1 July – 30 June, ie 2002 stands for data from 1 July 2002 – 30 June 2003

**Table I**  
Premium volume by region and organisation in 2019

	Premium volume (in millions of USD)		Change (in %) inflation-adjusted		Share of world market (in %) 2019	Premiums <sup>1</sup> in % of GDP 2019	Premiums <sup>1</sup> per capita (in USD) 2019
	2019	2018	2019	2018			
<b>Total business</b>							
<b>America</b>	<b>2750426</b>	<b>2652866</b>	<b>2.2</b>	<b>3.1</b>	<b>43.71</b>	<b>9.66</b>	<b>2723</b>
US and Canada	2593280	2497670	2.1	3.5	41.21	11.15	7090
Latin America and Caribbean	157146	155197	4.4	-1.7	2.50	3.02	244
<b>Europe, Middle East and Africa (EMEA)</b>	<b>1796771</b>	<b>1816350</b>	<b>2.4</b>	<b>4.1</b>	<b>28.55</b>	<b>5.67</b>	<b>589</b>
Advanced EMEA	1603292	1622868	2.4	4.4	25.48	7.71	3247
Emerging Europe and Central Asia	80505	80523	1.6	4.3	1.28	1.68	163
Middle East and Africa	112974	112959	3.0	-0.2	1.80	2.17	63
Emerging Middle East	44819	43585	5.6	-3.7	0.71	1.63	90
Africa	68155	69374	1.4	2.2	1.08	2.78	52
<b>Asia-Pacific</b>	<b>1745403</b>	<b>1679803</b>	<b>4.4</b>	<b>2.3</b>	<b>27.74</b>	<b>5.71</b>	<b>417</b>
Advanced Asia-Pacific	934353	925029	1.3	1.9	14.85	9.63	3613
Emerging Asia	811050	754774	8.1	2.9	12.89	3.89	207
China	617399	574890	9.0	1.8	9.81	4.30	430
Emerging Asia, excl China	193651	179885	5.1	6.3	3.08	2.99	78
<b>World</b>	<b>2</b>	<b>6292600</b>	<b>2.9</b>	<b>3.2</b>	<b>100.00</b>	<b>7.23</b>	<b>818</b>
Advanced markets	3	5130924	2.1	3.5	81.54	9.63	4664
Emerging markets	4	1161675	6.6	1.9	18.46	3.25	175
Emerging Markets excl China		544277	3.9	2.1	8.65	2.51	100
OECD	5	4984999	2.1	3.5	79.22	9.01	3680
G7	6	4092843	2.0	4.0	65.04	10.07	5201
Eurozone		1063297	3.7	1.8	16.90	7.15	2784
EU		1171643	3.7	2.0	18.62	6.81	2374
NAFTA	7	2623774	2.1	3.5	41.70	10.70	5317
<b>Life business</b>							
<b>America</b>	<b>756038</b>	<b>733384</b>	<b>1.9</b>	<b>3.7</b>	<b>25.92</b>	<b>2.66</b>	<b>749</b>
US and Canada	681839	663147	1.2	4.8	23.38	2.93	1864
Latin America and Caribbean	74199	70237	8.9	-4.8	2.54	1.43	115
<b>Europe, Middle East and Africa (EMEA)</b>	<b>1046042</b>	<b>1062998</b>	<b>1.9</b>	<b>4.9</b>	<b>35.87</b>	<b>3.26</b>	<b>339</b>
Advanced EMEA	971704	986110	2.1	5.1	33.32	4.64	1953
Emerging Europe and Central Asia	20424	21745	-4.7	3.8	0.70	0.43	41
Middle East and Africa	53914	55143	1.3	1.9	1.85	1.04	30
Emerging Middle East	7710	8016	-1.0	-2.4	0.26	0.28	16
Africa	46204	47127	1.7	2.7	1.58	1.89	36
<b>Asia-Pacific</b>	<b>1114187</b>	<b>1085797</b>	<b>2.6</b>	<b>-0.1</b>	<b>38.21</b>	<b>3.65</b>	<b>267</b>
Advanced Asia-Pacific	645157	642442	0.1	1.4	22.12	6.67	2502
Emerging Asia	469030	443356	6.2	-2.3	16.08	2.25	120
China	329432	313372	6.7	-5.4	11.30	2.30	230
Emerging Asia, excl China	139598	129983	4.9	5.8	4.79	2.15	56
<b>World</b>	<b>2</b>	<b>2916267</b>	<b>2.2</b>	<b>2.6</b>	<b>100.00</b>	<b>3.35</b>	<b>379</b>
Advanced markets	3	2298700	1.3	3.9	78.82	4.25	2056
Emerging markets	4	617566	5.6	-2.0	21.18	1.73	93
Emerging Markets excl China		288134	4.4	1.9	9.88	1.33	53
OECD	5	2140846	1.2	4.0	73.41	3.79	1549
G7	6	1680660	1.5	5.2	57.63	4.11	2125
Eurozone		597920	3.4	1.0	20.50	3.87	1506
EU		663331	3.5	1.3	22.75	3.73	1300
NAFTA	7	696032	1.3	4.8	23.87	2.84	1410
<b>Non-life business</b>							
<b>America</b>	<b>1994388</b>	<b>1919483</b>	<b>2.4</b>	<b>2.9</b>	<b>59.07</b>	<b>7.01</b>	<b>1975</b>
US and Canada	1911441	1834523	2.4	3.0	56.61	8.21	5226
Latin America and Caribbean	82947	84960	0.7	1.1	2.46	1.60	129
<b>Europe, Middle East and Africa (EMEA)</b>	<b>750729</b>	<b>753352</b>	<b>3.1</b>	<b>2.9</b>	<b>22.24</b>	<b>2.41</b>	<b>250</b>
Advanced EMEA	631588	636758	2.9	3.2	18.71	3.07	1293
Emerging Europe and Central Asia	60082	58778	3.9	4.4	1.78	1.25	122
Middle East and Africa	59060	57816	4.7	-2.1	1.75	1.14	33
Emerging Middle East	37110	35569	7.2	-4.0	1.10	1.35	75
Africa	21951	22247	0.8	1.0	0.65	0.90	17
<b>Asia-Pacific</b>	<b>631216</b>	<b>594006</b>	<b>7.6</b>	<b>7.1</b>	<b>18.70</b>	<b>2.06</b>	<b>150</b>
Advanced Asia-Pacific	289196	282588	4.1	3.0	8.57	2.96	1111
Emerging Asia	342020	311419	10.8	11.2	10.13	1.64	87
China	287967	261517	11.8	12.0	8.53	2.01	201
Emerging Asia, excl China	54053	49901	5.8	7.8	1.60	0.83	22
<b>World</b>	<b>2</b>	<b>3376333</b>	<b>3.5</b>	<b>3.7</b>	<b>100.00</b>	<b>3.88</b>	<b>439</b>
Advanced markets	3	2832224	2.7	3.1	83.88	5.39	2608
Emerging markets	4	544109	7.7	6.9	16.12	1.52	82
Emerging Markets excl China		256142	3.4	2.4	7.59	1.18	47
OECD	5	2844153	2.7	3.1	84.24	5.22	2131
G7	6	2412183	2.3	3.1	71.44	5.96	3076
Eurozone		465377	4.0	2.8	13.78	3.28	1278
EU		508313	4.0	2.9	15.06	3.08	1074
NAFTA	7	1927743	2.4	3.0	57.10	7.86	3906

Table II

## Total premium volume in local currency in 2019

	Country	Currency	Premium volume (in millions of local currency)			Change (in %) nominal		Change (in %) inflation-adjusted		
			2019	2018	2017	2019	2018	2019	2018	
North America	United States	9 USD	2460123 *	2368305	2234658	3.9	6.0	2.0	3.5	
	Canada	10 CAD	176676 *	167667	157665	5.4	6.3	3.4	4.0	
	<b>Total</b>							<b>2.1</b>	<b>3.5</b>	
Latin America and Caribbean	Brazil	BRL	292345 *	263689 *	266080	10.9	-0.9	6.9	-4.4	
	Mexico	MXN	586940	535800 *	485361	9.5	10.4	5.7	5.2	
	Chile	CLP	9272108 *	8892736 *	8496257	4.3	4.7	2.0	2.3	
	Argentina	ARS	448300 *	337079	272217	33.0	23.8	-13.7	-7.8	
	Colombia	COP	29921520 *	27268340	26003160	9.7	4.9	6.0	1.6	
	Peru	PEN	14114 *	12869	11327	9.7	13.6	7.4	12.1	
	Ecuador	USD	1797	1693	2046	6.2	-17.3	5.9	-17.1	
	Panama	PAB	1568	1570	1444	-0.1	8.7	0.1	7.9	
	Uruguay	UYU	54802	45787	45207	19.7	1.3	10.9	-5.9	
	Costa Rica	CRC	832846	771902	749330	7.9	3.0	5.7	0.8	
	Dominican Republic	DOP	69230	59562	49354	16.2	20.7	14.4	16.5	
	Trinidad and Tobago	TTD	9180	8228	7992	11.6	3.0	10.2	1.9	
	Guatemala	GTQ	7525	7005	6802	7.4	3.0	3.6	-0.7	
	Jamaica	JMD	na.	108821	102558	na.	6.1	na.	2.3	
	Bahamas	BSD	na.	na.	754	na.	na.	na.	na.	
	Cayman Islands	KYD	na.	662	579	na.	14.4	na.	10.8	
	Cuba	CUP	na.	732	663	na.	10.4	na.	5.3	
	<b>Total</b>							<b>4.4</b>	<b>-1.7</b>	
	Advanced EMEA	United Kingdom	GBP	286772 *	285140	247713	0.6	15.1	-1.2	12.3
		France	EUR	234319 *	225417	216319	3.9	4.2	2.8	2.3
Germany		EUR	217853	207200	201104	5.1	3.0	3.7	1.2	
Italy		EUR	149944	144146	140993	4.0	2.2	3.4	1.1	
Netherlands		EUR	74738	73205	70703	2.1	3.5	-0.5	1.8	
Ireland		EUR	na.	na.	na.	na.	na.	na.	na.	
Spain		EUR	63431 +	63724	62427	-0.5	2.1	-1.2	0.4	
Switzerland		CHF	58583 +	57857	57282	1.3	1.0	0.9	0.1	
Luxembourg		EUR	40619 +	28080	26738	44.7	5.0	42.3	2.9	
Sweden		SEK	362977 *	340170	314460	6.7	8.2	4.8	6.1	
Denmark		DKK	247703 *	234855	223577	5.5	5.0	4.7	4.2	
Belgium		EUR	32525 *	31199	29847	4.3	4.5	2.8	2.4	
Finland		EUR	24410	23401	22658	4.3	3.3	3.3	2.2	
Norway		NOK	183339 *	173050	163360	5.9	5.9	3.7	3.1	
Austria		EUR	17609	17332	16905	1.6	2.5	0.1	0.5	
Israel		ILS	68881 +	66640	62730	3.4	6.2	2.5	5.4	
Portugal		EUR	12469	13144 *	11724 *	-5.1	12.1	-5.5	11.0	
Malta		EUR	na.	4758	4169 *	na.	14.1	na.	12.2	
Liechtenstein		CHF	na.	na.	5170	na.	na.	na.	na.	
Greece		EUR	4217 *	4050	3967	4.1	2.1	3.9	1.5	
Cyprus	EUR	892	860	814	3.7	5.6	3.1	4.8		
<b>Total</b>							<b>2.4</b>	<b>4.4</b>		
Emerging EMEA	South Africa	ZAR	680390	648754 *	609559	4.9	6.4	0.7	1.7	
	Russia	RUB	1479675 +	1478406	1277585	0.1	15.7	-4.2	12.5	
	Poland	PLN	60938 +	59849	60340	1.8	-0.8	-0.4	-2.6	
	United Arab Emirates	11 AED	46692 *	43718	44824	6.8	-2.5	8.9	-5.4	
	Iran	13 IRR	na. *	na. *	407994800	na.	na.	na.	na.	
	Turkey	TRY	62071 *	50415	43978	23.1	14.6	6.9	-1.5	
	Saudi Arabia	SAR	37805 +	35014	36503	8.0	-4.1	9.3	-6.4	
	Czech Republic	CZK	165460 +	155231	150487	6.6	3.2	3.6	1.0	
	Morocco	MAD	44622	41151 *	38736	8.4	6.2	8.1	4.4	
	Hungary	HUF	1136376 +	1011945	941476	12.3	7.5	8.7	4.5	
	Slovenia	EUR	2517 +	2341	2179	7.5	7.4	5.8	5.6	
	Romania	RON	11033 *	10141	9707	8.8	4.5	4.8	-0.1	
	Pakistan	PKR	340000 *	326000	308000	4.3	5.8	-4.7	0.5	
	Slovakia	EUR	2224 +	2205	2135	0.9	3.3	-1.8	0.7	
	Kenya	KES	228316 +	216016	207587	5.7	4.1	0.5	-0.6	
	Ukraine	UAH	57418 *	49368	43432	16.3	13.7	7.8	2.5	
	Egypt	14 EGP	33420	27743	22474	20.5	23.4	5.8	2.1	
	Bulgaria	BGN	2866 +	2477	2121	15.7	16.8	12.2	13.6	
	Nigeria	NGN	502042 *	423844	355294	18.4	19.3	6.3	6.4	
	Lebanon	LBP	2428969 +	2529844	2449740	-4.0	3.3	-6.7	-2.6	
	Croatia	HRK	10481	9856	9056	6.3	8.8	5.5	7.2	
	Qatar	QAR	5035 *	5069 *	5223 *	-0.7	-3.0	0.0	-3.2	
	Kuwait	KWD	405 *	394 *	339	2.8	16.1	1.7	15.4	
	Namibia	NAD	18858	13577 *	12790	38.9	6.2	33.9	1.8	
	Algeria	DZD	149002	138258	135760	7.8	1.8	5.3	-1.6	
	Kazakhstan	KZT	468179 +	350482	332012	33.6	5.6	26.9	-0.4	
	Oman	OMR	429 *	420	416	2.2	0.9	2.0	0.1	
	Serbia	RSD	na.	97958 *	93094	na.	5.2	na.	3.2	
	Jordan	JOD	614	607	594	1.3	2.1	0.5	-2.3	
Tunisia	TND	na.	na.	2072	na.	na.	na.	na.		
Bahrain	BHD	296 *	284	269	4.3	5.7	3.2	3.6		
<b>Total</b>							<b>2.4</b>	<b>1.7</b>		
Advanced Asia-Pacific	Japan	12 JPY	49885930 *	48621640	46454020	2.6	4.7	2.1	3.9	
	South Korea	12 KRW	206381300 *	200813900	201255000	2.8	-0.2	2.4	-1.5	
	Taiwan	TWD	3643818	3677170	3576944	-0.9	2.8	-1.5	1.4	
	Hong Kong	HKD	566104 +	499873	477044	13.2	4.8	10.1	2.3	
	Australia	18 AUD	98821 +	105533	105260	-6.4	0.3	-7.8	-1.6	
	Singapore	SGD	42034 +	41476	40162	1.3	3.3	0.8	2.8	
	New Zealand	14 NZD	16014 *	15399	14368	4.0	7.2	2.3	5.5	
<b>Total</b>							<b>1.3</b>	<b>1.9</b>		
Emerging Asia-Pacific	PR China	CNY	4264400 +	3801662	3658101	12.2	3.9	9.0	1.8	
	India	12 INR	7551598 *	6806148	6122470	11.0	11.2	6.9	7.3	
	Thailand	THB	842095 *	849026	811060	-0.8	4.7	-1.5	3.6	
	Indonesia	IDR	315075500 *	306336600	285878700	2.9	7.2	0.0	3.7	
	Malaysia	12 MYR	71303	67684	64481	5.3	5.0	4.2	4.5	
	Vietnam	VND	171120100 *	139640000	107709000	22.5	29.6	19.2	25.2	
	Philippines	PHP	320889 *	314534	279397	2.0	12.6	-0.4	7.0	
	Macao	MOP	28693 *	21164	21922	35.6	-3.5	31.9	-6.3	
	Bangladesh	BDT	124565 *	114425 *	107814	8.9	6.1	3.1	0.6	
	Sri Lanka	LKR	195000	181506	164960	7.4	10.0	3.8	7.7	
	<b>Total</b>							<b>8.1</b>	<b>2.9</b>	
<b>World</b>							<b>2.9</b>	<b>3.2</b>		

Table III

## Total premium volume in USD in 2019

	2019	Ranking 2018	Country		Premium volume (in millions of USD)		Change (in %) 2018		Share of world market 2019 (in %)
					2019	2018	nominal (in USD)	inflation-adjusted	
<b>USA and Canada</b>	1	1	United States	10	2 460 123 *	2 368 305	3.9	2.0	39.10
	9	9	Canada	11	133 157 *	129 364	2.9	3.4	2.12
			<b>Total</b>		<b>2 593 280</b>	<b>2 497 670</b>	<b>3.8</b>	<b>2.1</b>	<b>41.21</b>
<b>Latin America and Caribbean</b>	13	16	Brazil		74 106 *	72 174	2.7	6.9	1.18
	25	25	Mexico		30 495	27 866	9.4	5.7	0.48
	36	36	Chile		13 185 *	13 868	-4.9	2.0	0.21
	42	38	Argentina	17	9 346 *	12 119	-22.9	-13.7	0.15
	43	43	Colombia		9 119 *	9 224	-1.1	6.0	0.14
	51	51	Peru		4 230 *	3 916	8.0	7.4	0.07
	61	60	Ecuador		1 797	1 693	6.2	5.9	0.03
	66	62	Panama		1 568	1 570	-0.1	0.1	0.02
	67	66	Uruguay		1 554	1 490	4.3	10.9	0.02
	69	70	Costa Rica		1 426	1 345	6.0	5.7	0.02
	71	73	Dominican Republic		1 362	1 203	13.2	14.4	0.02
	72	72	Trinidad and Tobago		1 359	1 215	11.8	10.2	0.02
	80	81	Guatemala		978	932	5.0	3.6	0.02
	82	84	Jamaica		870 **	840	3.6	na.	0.01
	85	85	Bahamas		830 **	800 **	3.7	na.	0.01
	86	86	Cayman Islands		829 **	795	4.3	na.	0.01
	88	88	Cuba		758 **	732	3.5	na.	0.01
			Other countries		3 336	3 414			0.05
			<b>Total</b>		<b>157 146</b>	<b>155 197</b>	<b>1.3</b>	<b>4.4</b>	<b>2.50</b>
<b>Advanced EMEA</b>	4	4	United Kingdom		366 243 *	380 850	-3.8	-1.2	5.82
	5	5	France		262 283 *	266 275	-1.5	2.8	4.17
	6	6	Germany		243 852 **	244 755 **	-0.4	3.7	3.88
	8	8	Italy		167 838 **	170 273	-1.4	3.4	2.67
	12	12	Netherlands		83 657 **	86 474	-3.3	-0.5	1.33
	14	15	Ireland		73 347 **	72 478 **	1.2	na.	1.17
	16	14	Spain		71 002 +	75 274	-5.7	-1.2	1.13
	18	18	Switzerland		58 953 +	59 164	-0.4	0.9	0.94
	20	23	Luxembourg		45 467 +	33 170	37.1	42.3	0.72
	21	20	Sweden		38 385 *	39 116	-1.9	4.8	0.61
	22	21	Denmark		37 140 *	37 192	-0.1	4.7	0.59
	23	22	Belgium		36 407 *	36 854	-1.2	2.8	0.58
	26	26	Finland		27 324 **	27 643	-1.2	3.3	0.43
	30	30	Norway		20 834 *	21 284	-2.1	3.7	0.33
	31	31	Austria		19 710 **	20 474	-3.7	0.1	0.31
	32	32	Israel		19 324 +	18 526	4.3	2.5	0.31
	35	35	Portugal		13 957 **	15 527 *	-10.1	-5.5	0.22
	47	47	Malta		5 666 **	5 621 *	0.8	na.	0.09
	48	48	Liechtenstein		5 584 **	5 478 **	1.9	na.	0.09
	49	49	Greece		4 721 *	4 784	-1.3	3.9	0.08
	79	79	Cyprus		999	1 016	-1.7	3.1	0.02
			Other countries		601	640			0.01
			<b>Total</b>		<b>1 603 292</b>	<b>1 622 868</b>	<b>-1.2</b>	<b>2.4</b>	<b>25.48</b>
<b>Emerging EMEA</b>	19	19	South Africa		47 093 **	49 002 *	-3.9	0.7	0.75
	28	28	Russia		22 856 +	23 591	-3.1	-4.2	0.36
	34	34	Poland		15 869 +	16 572	-4.2	-0.4	0.25
	37	39	United Arab Emirates (11)	11	12 712 *	11 902	6.8	8.9	0.20
	38	37	Iran (13)		12 380 *	12 231 *	1.2	na.	0.20
	39	41	Turkey		10 933 *	10 452	4.6	6.9	0.17
	41	42	Saudi Arabia	13	10 081 +	9 337	8.0	9.3	0.16
	45	44	Czech Republic		7 215 +	7 144	1.0	3.6	0.11
	50	50	Morocco		4 640 **	4 384 *	5.8	8.1	0.07
	52	52	Hungary		3 909 +	3 745	4.4	8.7	0.06
	54	54	Slovenia		2 819 +	2 765	1.9	5.8	0.04
	55	57	Romania		2 604 *	2 573	1.2	4.8	0.04
	56	53	Pakistan		2 492 *	2 963	-15.9	-4.7	0.04
	57	56	Slovakia		2 490 +	2 604	-4.4	-1.8	0.04
	58	58	Kenya		2 239 +	2 132	5.0	0.5	0.04
	59	59	Ukraine		2 222 *	1 815	22.4	7.8	0.04
	60	64	Egypt (14)		1 899	1 565	21.3	5.8	0.03
	62	65	Bulgaria		1 641 +	1 495	9.7	12.2	0.03
	63	68	Nigeria	14	1 636 *	1 385	18.1	6.3	0.03
	64	61	Lebanon		1 611 +	1 678	-4.0	-6.7	0.03
	65	63	Croatia		1 583	1 570	0.8	5.5	0.03
	70	67	Qatar		1 383 *	1 393 *	-0.7	0.0	0.02
	73	71	Kuwait		1 334 *	1 305 *	2.2	1.7	0.02
	74	77	Namibia		1 305 **	1 026 *	27.3	33.9	0.02
	75	74	Algeria		1 248 **	1 186	5.3	5.3	0.02
	76	78	Kazakhstan		1 223 +	1 017	20.3	26.9	0.02
	77	76	Oman		1 116 *	1 093	2.2	2.0	0.02
	81	80	Serbia		973 **	978 *	-0.5	na.	0.02
	83	83	Jordan		865 **	854	1.3	0.5	0.01
	84	82	Tunisia		830 **	858 **	-3.2	na.	0.01
	87	87	Bahrain		788 *	755	4.3	3.2	0.01
			Other countries		11 490	12 114			0.18
			<b>Total</b>		<b>193 480</b>	<b>193 482</b>	<b>0.0</b>	<b>2.4</b>	<b>3.07</b>
<b>Advanced Asia-Pacific</b>	3	3	Japan	12	459 347 *	438 412	4.8	2.1	7.30
	7	7	South Korea	12	174 520 *	180 386	-3.3	2.4	2.77
	10	10	Taiwan		117 823	121 908	-3.4	-1.5	1.87
	15	17	Hong Kong		72 253 +	63 781	13.3	10.1	1.15
	17	13	Australia	18	68 690 +	78 801	-12.8	-7.8	1.09
	24	24	Singapore		30 813 +	30 750	0.2	0.8	0.49
	40	40	New Zealand	14	10 552 *	10 652	-0.9	2.3	0.17
			Other countries		356	338			0.01
			<b>Total</b>		<b>934 353</b>	<b>925 029</b>	<b>1.0</b>	<b>1.3</b>	<b>14.85</b>
<b>Emerging Asia-Pacific</b>	2	2	PR China		617 399 +	574 890	7.4	9.0	9.81
	11	11	India	12	106 307 *	97 342	9.2	6.9	1.69
	27	27	Thailand		27 123 *	26 277 **	3.2	-1.5	0.43
	29	29	Indonesia		22 286 *	21 527	3.5	0.0	0.35
	33	33	Malaysia	12	17 150	16 603	3.3	4.2	0.27
	44	45	Vietnam		7 368 *	6 068	21.4	19.2	0.12
	46	46	Philippines		6 195 *	5 973	3.7	-0.4	0.10
	53	55	Macao		3 555 *	2 622	35.6	31.9	0.06
	68	69	Bangladesh		1 475 *	1 371 *	7.6	3.1	0.02
	78	75	Sri Lanka		1 090 **	1 117 **	-2.4	3.8	0.02
			Other countries		1 101	986			0.02
			<b>Total</b>		<b>811 050</b>	<b>754 774</b>	<b>7.5</b>	<b>8.1</b>	<b>12.89</b>
<b>World</b>			<b>World</b>		<b>6 292 600</b>	<b>6 149 020</b>	<b>2.3</b>	<b>2.9</b>	<b>100.00</b>

Table IV

## Life insurance premium volume in local currency in 2019

	Country	Currency	2019	Premium volume (in millions of local currency)		Change (in %) nominal		Change (in %) inflation-adjusted		
				2018	2017	2019	2018	2019	2018	
<b>USA and Canada</b>	United States	9 USD	628 522+	608 967	565 822	3.2	7.6	1.4	5.1	
	Canada	10 CAD	70 743*	70 222	67 576	0.7	3.9	-1.2	1.6	
	<b>Total</b>							<b>1.2</b>	<b>4.8</b>	
<b>Latin America and Caribbean</b>	Brazil	BRL	162 939*	139 950	149 617	16.4	-6.5	12.2	-9.8	
	Mexico	MXN	273 168	242 819	214 897	12.5	13.0	8.6	7.7	
	Chile	CLP	5 537 940*	5 406 854	5 223 895	2.4	3.5	0.2	1.2	
	Colombia	COP	9 615 235*	8 584 598	8 473 745	12.0	1.3	8.2	-1.9	
	Peru	PEN	6 938*	6 272	5 356	10.6	17.1	8.3	15.6	
	Argentina	17 ARS	61 784*	48 951	41 011	26.2	19.4	-18.1	-11.1	
	Trinidad and Tobago	TTD	4 383	3 879	3 798	13.0	2.1	11.6	1.1	
	Uruguay	UYU	22 553	18 196	19 075	23.9	-4.6	14.9	-11.4	
	Ecuador	USD	434	416	431	4.2	-3.5	3.9	-3.3	
	Panama	PAB	406	392	371	3.6	5.6	3.8	4.8	
	Jamaica	JMD	na.	43 149	43 901	na.	-1.7	na.	-5.2	
	Costa Rica	CRC	133 476	123 926	111 184	7.7	11.5	5.5	9.0	
	Dominican Republic	DOP	10 766	9 513	8 480	13.2	12.2	11.4	8.3	
	Guatemala	GTQ	1 627	1 462	1 418	11.3	3.1	7.3	-0.6	
	Bahamas	BSD	na.	na.	189	na.	na.	na.	na.	
	Cuba	CUP	na.	118	107	na.	10.1	na.	5.0	
	Cayman Islands	KYD	na.	24	23	na.	6.0	na.	2.6	
	<b>Total</b>								<b>8.9</b>	<b>-4.8</b>
	<b>Advanced EMEA</b>	United Kingdom	GBP	206 888*	205 654	174 829	0.6	17.6	-1.2	14.8
		France	EUR	149 720*	144 573	139 195	3.6	3.9	2.4	2.0
Italy		EUR	110 898	106 108	103 919	4.5	2.1	3.9	1.0	
Germany		EUR	90 723	83 695	81 705	8.4	2.4	6.9	0.7	
Ireland		EUR	na.	na.	na.*	na.	na.	na.	na.	
Luxembourg		EUR	28 196+	23 856	23 276	18.2	2.5	16.3	0.5	
Spain		EUR	27 523+	28 995	29 407	-5.1	-1.4	-5.7	-3.0	
Switzerland		CHF	30 020+	29 771	29 591	0.8	0.6	0.5	-0.3	
Sweden		SEK	270 896*	252 428	230 868	7.3	9.3	5.4	7.2	
Denmark		DKK	184 581*	172 677	164 207	6.9	5.2	6.1	4.3	
Finland		EUR	19 914*	19 064	18 403	4.5	3.6	3.4	2.5	
Belgium		EUR	16 409*	15 628	14 668	5.0	6.5	3.5	4.4	
Netherlands		EUR	12 898	12 815	13 668	0.6	-6.2	-1.9	-7.8	
Norway		NOK	106 063*	100 350	93 066	5.7	7.8	3.5	4.9	
Israel		ILS	37 838+	35 963	33 722	5.2	6.6	4.3	5.8	
Portugal		EUR	7 175	8 246*	7 172*	-13.0	15.0	-13.3	13.9	
Austria		EUR	5 473	5 596	5 802	-2.2	-3.6	-3.7	-5.4	
Liechtenstein		CHF	2 411	2 343	2 380	2.9	-1.6	2.5	-2.5	
Greece		EUR	1 948*	1 875	1 877	3.9	-0.1	3.6	-0.7	
Malta		EUR	na.	1 682*	1 410*	na.	19.3	na.	17.3	
Cyprus		EUR	385	379	348	1.6	8.8	1.1	7.9	
<b>Total</b>									<b>2.1</b>	<b>5.1</b>
<b>Emerging EMEA</b>		South Africa	ZAR	545 041*	519 087*	485 128	5.0	7.0	0.8	2.3
	Russia	RUB	409 374+	452 400	331 537	-9.5	36.5	-13.4	32.6	
	Poland	PLN	14 946+	15 784	19 028	-5.3	-17.1	-7.3	-18.5	
	United Arab Emirates	11 AED	9 754*	9 511	9 756	2.6	-2.5	4.6	-5.4	
	Czech Republic	CZK	52 948+	55 852	57 261	-5.2	-2.5	-7.8	-4.5	
	Morocco	MAD	20 046	18 189*	16 985	10.2	7.1	9.9	5.2	
	Iran (13)	IRR	na.*	na.*	64 660 710	na.	na.	na.	na.	
	Hungary	HUF	506 211+	473 884	458 347	6.8	3.4	3.4	0.5	
	Pakistan	PKR	235 000*	226 000	213 000	4.0	6.1	-4.9	0.7	
	Turkey	TRY	9 589*	6 835	6 767	40.3	1.0	21.8	-13.2	
	Namibia	NAD	15 001	9 789*	9 076	53.2	7.9	47.7	3.4	
	Kenya	KES	97 486+	87 168	82 808	11.8	5.3	6.3	0.5	
	Slovakia	EUR	833+	835	842	-0.2	-0.8	-2.8	-3.2	
	Egypt	14 EGP	15 308	12 121	10 146	26.3	19.5	10.9	-1.1	
	Slovenia	EUR	754+	717	654	5.2	9.7	3.5	7.8	
	Nigeria	NGN	244 280*	190 700	152 560	28.1	25.0	15.0	11.5	
	Romania	RON	2 039*	1 989	1 937	2.6	2.7	-1.2	-1.9	
	Lebanon	LBP	710 209+	782 562	750 151	-9.2	4.3	-11.8	-1.6	
	Croatia	HRK	3 066	3 134	2 940	-2.2	6.6	-2.9	5.0	
	Kazakhstan	KZT	148 262+	89 207	66 199	66.2	34.8	57.9	27.1	
	Saudi Arabia	SAR	970+	1 103	1 140	-12.1	-3.3	-11.0	-5.6	
	Serbia	RSD	na.	22 701*	21 385	na.	6.2	na.	4.1	
	Bulgaria	BGN	350+	339	350	3.1	-3.0	0.0	-5.6	
	Ukraine	UAH	4 694*	3 906	2 914	20.2	34.1	11.4	20.8	
	Tunisia	TND	na.	na.	443	na.	na.	na.	na.	
	Kuwait	KWD	52*	49*	44	6.1	11.3	5.0	10.7	
	Oman	OMR	57*	53	56	7.6	-5.6	7.4	-6.5	
Bahrain	BHD	52*	51	52	1.0	-2.3	0.0	-4.3		
Jordan	JOD	86	86	80	-0.5	7.9	-1.2	3.3		
Algeria	DZD	14 351	12 213	13 649	17.5	-10.5	14.8	-13.6		
Qatar	QAR	208*	209*	182*	-0.2	14.6	0.4	14.3		
<b>Total</b>								<b>-0.4</b>	<b>2.5</b>	
<b>Advanced Asia-Pacific</b>	Japan	12 JPY	37 068 810*	36 326 910	34 757 880	2.0	4.5	1.5	3.8	
	Taiwan	TWD	3 012 901	3 077 995	3 001 760	-2.1	2.5	-2.7	1.2	
	South Korea	12 KRW	111 732 100*	110 843 100	113 973 500	0.8	-2.7	0.4	-4.0	
	Hong Kong	HKD	523 691+	461 437	440 915	13.5	4.7	10.3	2.2	
	Singapore	AUD	30 250+	30 133	29 572	0.4	1.9	-0.2	1.5	
	Australia	18 SGD	30 244+	40 364	42 027	-25.1	-4.0	-26.3	-5.8	
	New Zealand	14 NZD	2 643*	2 576	2 462	2.6	4.6	1.0	3.0	
<b>Total</b>								<b>0.1</b>	<b>1.4</b>	
<b>Emerging Asia-Pacific</b>	PR China	CNY	2 275 400+	2 072 286	2 145 557	9.8	-3.4	6.7	-5.4	
	India	12 INR	5 659 442*	5 081 321	4 588 094	11.4	10.8	7.3	6.9	
	Thailand	THB	552 862	575 605	553 818	-4.0	3.9	-4.6	2.8	
	Indonesia	IDR	223 355 500*	224 030 700	212 261 800	-0.3	5.5	-3.0	2.2	
	Malaysia	12 MYR	50 579	47 367	44 687	6.8	6.0	5.6	5.5	
	Vietnam	VND	109 690 700*	86 176 000	66 115 000	27.3	30.3	23.8	25.9	
	Philippines	PHP	220 338*	221 639	195 383	-0.6	13.4	-3.0	7.8	
	Macao	MOP	25 842*	18 665	19 636	38.5	-4.9	34.7	-7.7	
	Bangladesh	BDT	87 227*	81 513*	78 000	7.0	4.5	1.3	-1.0	
	Sri Lanka	LKR	86 000	80 303	71 571	7.1	12.2	3.5	9.9	
	<b>Total</b>								<b>6.2</b>	<b>-2.3</b>
<b>World</b>	<b>World</b>							<b>2.2</b>	<b>2.6</b>	

Table V

## Life premium volume in USD in 2019

	2019	Ranking 2018	Country		Premium volume (in millions of USD)		Change (in %) 2018		Share of total business 2019 (in %)	Share of world market 2019 (in %)
					2019	2018	nominal (in USD)	inflation-adjusted		
<b>North America</b>	1	1	United States	9	628 522 +	608 967	3.2	1.4	25.5	21.55
	13	13	Canada	10	53 317 *	54 180	-1.6	-1.2	40.0	1.83
			<b>Total</b>		<b>681 839</b>	<b>663 147</b>	<b>2.8</b>	<b>1.2</b>	<b>26.3</b>	<b>23.38</b>
<b>Latin America and Caribbean</b>	14	15	Brazil		41 303 *	38 306	7.8	12.2	55.7	1.42
	29	28	Mexico		14 193	12 629	12.4	8.6	46.5	0.49
	33	33	Chile		7 875 *	8 432	-6.6	0.2	59.7	0.27
	39	39	Colombia		2 930 *	2 904	0.9	8.2	32.1	0.10
	46	49	Peru		2 079 *	1 909	8.9	8.3	49.2	0.07
	48	51	Argentina	17	1 288 *	1 760	-26.8	-18.1	13.8	0.04
	59	62	Uruguay		649	573	13.3	11.6	47.7	0.02
	61	61	Trinidad and Tobago		640	592	8.0	14.9	41.2	0.02
	68	68	Ecuador		434	416	4.2	3.9	24.1	0.01
	69	69	Panama		406	392	3.6	3.8	25.9	0.01
	70	70	Jamaica		345 **	333	3.6	na.	39.7	0.01
	74	74	Costa Rica		229	216	5.8	5.5	16.0	0.01
	76	78	Guatemala		212	192	10.2	11.4	15.6	0.01
	77	77	Bahamas		211	194	8.7	7.3	21.6	0.01
	78	76	Dominican Republic		208 **	201 **	3.7	na.	25.1	0.01
	79	85	Venezuela		122 **	118	3.5	na.	16.1	0.00
	87	88	Cayman Islands		30 **	29	4.3	na.	3.7	0.00
			Other countries		1 046	1 041			31.3	0.04
			<b>Total</b>		<b>74 199</b>	<b>70 237</b>	<b>5.6</b>	<b>8.9</b>	<b>47.2</b>	<b>2.54</b>
<b>Advanced EMEA</b>	4	4	United Kingdom		264 221 *	274 683	-3.8	-1.2	72.1	9.06
	5	5	France		167 588 *	170 777	-1.9	2.4	63.9	5.75
	6	6	Italy		124 133 **	125 341	-1.0	3.9	74.0	4.26
	9	9	Germany		101 550 **	98 865 **	2.7	6.9	41.6	3.48
	11	11	Ireland		66 297 **	65 289 **	1.5	na.	90.4	2.27
	16	20	Spain		31 562 +	28 180	12.0	16.3	69.4	1.08
	17	16	Switzerland		30 808 +	34 250	-10.0	-5.7	43.4	1.06
	19	17	Luxembourg		30 210 +	30 444	-0.8	0.5	51.2	1.04
	20	19	Sweden		28 648 *	29 027	-1.3	5.4	74.6	0.98
	21	21	Denmark		27 676 *	27 345	1.2	6.1	74.5	0.95
	23	22	Finland		22 291 *	22 519	-1.0	3.4	81.6	0.76
	24	24	Belgium		18 368 *	18 460	-0.5	3.5	50.5	0.63
	26	27	Netherlands		14 437 **	15 138	-4.6	-1.9	17.3	0.50
	28	29	Norway		12 053 *	12 342	-2.3	3.5	57.9	0.41
	31	31	Israel		10 615 +	9 998	6.2	4.3	54.9	0.36
	32	32	Portugal		8 031 **	9 741 *	-17.6	-13.3	57.5	0.28
	35	35	Austria		6 126 **	6 610	-7.3	-3.7	31.1	0.21
	42	42	Liechtenstein		2 426 **	2 396 **	1.3	2.5	43.4	0.08
	43	44	Greece		2 180 *	2 215	-1.6	3.6	46.2	0.07
	49	46	Malta		2 003 **	1 987 *	0.8	na.	35.4	0.07
	67	67	Cyprus		431	448	-3.7	1.1	43.2	0.01
			Other countries		51	54			8.4	0.00
			<b>Total</b>		<b>971 704</b>	<b>986 110</b>	<b>-1.5</b>	<b>2.1</b>	<b>60.6</b>	<b>33.32</b>
<b>Emerging EMEA</b>	15	14	South Africa		37 725 *	39 208 *	-3.8	0.8	80.1	1.29
	34	34	Russia		6 324 +	7 219	-12.4	-13.4	27.7	0.22
	38	36	Poland		3 892 +	4 370	-10.9	-7.3	24.5	0.13
	41	40	United Arab Emirates	11	2 656 *	2 589	2.6	4.6	20.9	0.09
	43	41	Czech Republic		2 309 +	2 570	-10.2	-7.8	32.0	0.08
	45	48	Morocco		2 084 **	1 938 *	7.6	9.9	44.9	0.07
	48	47	Iran	13	1 962 *	1 938 *	1.2	na.	15.8	0.07
	50	52	Hungary		1 741 +	1 754	-0.7	3.4	44.5	0.06
	51	45	Pakistan		1 723 *	2 054	-16.1	-4.9	69.1	0.06
	52	53	Turkey		1 689 *	1 417	19.2	21.8	15.4	0.06
	54	58	Namibia		1 038 **	739 *	40.4	47.7	79.5	0.04
	56	56	Kenya		956 +	860	11.1	6.3	42.7	0.03
	57	54	Slovakia		933 +	986	-5.4	-2.8	37.5	0.03
	58	59	Egypt (14)	14	870	684	27.2	10.9	45.8	0.03
	59	57	Slovenia		844 +	847	-0.3	3.5	30.0	0.03
	60	60	Nigeria		796 *	623	27.7	15.0	48.7	0.03
	63	64	Romania		481 *	505	-4.6	-1.2	18.5	0.02
	65	63	Lebanon		471 +	519	-9.2	-11.8	29.2	0.02
	66	65	Croatia		463	499	-7.2	-2.9	29.3	0.02
	70	72	Kazakhstan		387 +	259	49.7	57.9	31.7	0.01
	72	71	Saudi Arabia		259 +	294	-12.1	-11.0	2.6	0.01
	74	73	Serbia		226 **	227 *	-0.5	na.	23.2	0.01
	78	75	Bulgaria		200 +	205	-2.2	0.0	12.2	0.01
	79	81	Ukraine		182 *	144	26.5	11.4	8.2	0.01
	80	79	Tunisia		177 **	183 **	-3.2	na.	21.4	0.01
	81	80	Kuwait		171 *	162 *	5.5	5.0	12.8	0.01
	82	82	Oman		148 *	138	7.6	7.4	13.3	0.01
	83	83	Bahrain		138 *	136	1.0	0.0	17.5	0.00
	85	84	Jordan		121 **	121	-0.5	-1.2	14.0	0.00
	86	86	Algeria		120 **	105	14.8	14.8	9.6	0.00
	87	87	Qatar		57 *	57 *	-0.2	0.4	4.1	0.00
			Other countries		3 195	3 537			27.8	0.11
			<b>Total</b>		<b>74 338</b>	<b>76 888</b>	<b>-3.3</b>	<b>-0.4</b>	<b>38.4</b>	<b>2.55</b>
<b>Advanced Asia-Pacific</b>	2	2	Japan	12	341 328 *	327 553	4.2	1.5	74.3	11.70
	7	7	Taiwan		97 423	102 044	-4.5	-2.7	82.7	3.34
	8	8	South Korea	12	94 483 *	99 567	-5.1	0.4	54.1	3.24
	12	12	Hong Kong		66 840 +	58 877	13.5	10.3	92.5	2.29
	18	23	Australia	18	22 175 +	22 340	-0.7	-0.2	72.0	0.76
	22	18	Singapore		21 022 +	30 140	-30.2	-26.3	30.6	0.72
	47	50	New Zealand	14	1 742 *	1 782	-2.3	1.0	16.5	0.06
			Other countries		146	138			40.9	0.00
			<b>Total</b>		<b>645 157</b>	<b>642 442</b>	<b>0.4</b>	<b>0.1</b>	<b>69.0</b>	<b>22.12</b>
<b>Emerging Asia-Pacific</b>	3	3	PR China		329 432 +	313 372	5.1	6.7	53.4	11.30
	10	10	India	12	79 671 *	72 673	9.6	7.3	74.9	2.73
	25	25	Thailand		17 807	17 815	0.0	-4.6	65.7	0.61
	26	26	Indonesia		15 798 *	15 743	0.4	-3.0	70.9	0.54
	29	30	Malaysia	12	12 166	11 619	4.7	5.6	70.9	0.42
	36	38	Vietnam		4 723 *	3 745	26.1	23.8	64.1	0.16
	37	37	Philippines		4 254 *	4 209	1.1	-3.0	68.7	0.15
	39	43	Macao		3 202 *	2 312	38.5	34.7	90.1	0.11
	55	55	Bangladesh		1 033 *	977 *	5.8	1.3	70.0	0.04
	64	66	Sri Lanka		481 **	494 **	-2.7	3.5	44.1	0.02
			Other countries		464	397			42.1	0.02
			<b>Total</b>		<b>469 030</b>	<b>443 356</b>	<b>5.8</b>	<b>6.2</b>	<b>57.8</b>	<b>16.08</b>
<b>World</b>			<b>World</b>		<b>2 916 267</b>	<b>2 882 179</b>	<b>1.2</b>	<b>2.2</b>	<b>46.3</b>	<b>100.00</b>

Table VI

## Non-life insurance premium volume in local currency in 2019

	Country	Currency	2019	Premium volume (in millions of local currency)		Change (in %) nominal		Change (in %) inflation-adjusted	
				2018	2017	2019	2018	2019	2018
North America	United States	9 USD	1 831 601 *	1 759 339	1 668 836	4.1	5.4	2.3	2.9
	Canada	10 CAD	1 059 333 *	97 445	90 089	8.7	8.2	6.6	5.8
	<b>Total</b>							<b>2.4</b>	<b>3.0</b>
Latin America and Caribbean	Brazil	BRL	129 406 *	123 739	116 463	4.6	6.2	0.8	2.5
	Mexico	MXN	313 772	292 981	270 465	7.1	8.3	3.3	3.3
	Argentina	17 ARS	386 516 *	288 128	231 205	34.1	24.6	-12.9	-7.2
	Colombia	COP	20 306 280 *	18 683 740	17 529 420	8.7	6.6	5.0	3.2
	Chile	CLP	3 734 168 *	3 485 882	3 272 362	7.1	6.5	4.8	4.1
	Peru	PEN	7 176 *	6 597	5 972	8.8	10.5	6.5	9.0
	Ecuador	USD	1 364	1 276	1 614	6.9	-20.9	6.6	-20.8
	Costa Rica	CRC	699 370	647 977	638 146	7.9	1.5	5.7	-0.7
	Panama	PAB	1 162	1 178	1 072	-1.3	9.8	-1.1	9.0
	Dominican Republic	DOP	58 464	50 048	40 875	16.8	22.4	15.0	18.2
	Uruguay	UYU	32 250	27 591	26 132	16.9	5.6	8.3	-1.9
	Cayman Islands	KYD	na.	638	556	na.	14.8	na.	11.1
	Guatemala	GTQ	5 898	5 543	5 384	6.4	2.9	2.7	-0.8
	Trinidad and Tobago	TTD	4 797	4 349	4 194	10.3	3.7	8.9	2.6
	Cuba	CUP	na.	615	556	na.	10.5	na.	5.4
	Bahamas	BSD	na.	na.	565	na.	na.	na.	na.
	Jamaica	JMD	na.	65 671	58 657	na.	12.0	na.	7.9
<b>Total</b>								<b>0.7</b>	<b>1.1</b>
Advanced EMEA	Germany	EUR	127 130 *	123 504	119 399	2.9	3.4	1.5	1.6
	United Kingdom	GBP	79 884 *	79 487	72 884	0.5	9.1	-1.3	6.4
	France	EUR	84 598 +	80 844	77 125	4.6	4.8	3.5	2.9
	Netherlands	EUR	61 840 +	60 390	57 035	2.4	5.9	-0.2	4.1
	Italy	EUR	39 045 +	38 038	37 074	2.6	2.6	2.0	1.4
	Spain	EUR	35 908 +	34 729	33 020	3.4	5.2	2.7	3.4
	Switzerland	CHF	28 563 +	28 085	27 691	1.7	1.4	1.3	0.5
	Belgium	EUR	16 116 +	15 571	15 179	3.5	2.6	2.0	0.5
	Luxembourg	EUR	12 423 +	4 224	3 462	194.1	22.0	189.3	19.6
	Austria	EUR	12 136	11 736	11 103	3.4	5.7	1.8	3.6
	Sweden	SEK	92 081	87 742	83 592	4.9	5.0	3.1	3.0
	Denmark	DKK	63 122 +	62 178	59 370	1.5	4.7	0.8	3.9
	Norway	NOK	77 276 +	72 700	70 294	6.3	3.4	4.0	0.6
	Israel	ILS	31 043 +	30 676	29 009	1.2	5.7	0.4	4.9
	Ireland	EUR	6 298 *	6 086 *	6 020	3.5	1.1	2.5	0.6
	Portugal	EUR	5 294 +	4 898	4 552	8.1	7.6	7.7	6.5
	Finland	EUR	4 496	4 337	4 255	3.7	1.9	2.6	0.8
	Malta	EUR	na.	3 076 *	2 759 *	na.	11.5	na.	9.6
	Liechtenstein	CHF	3 138	3 014	2 790	4.1	8.0	3.7	7.0
	Greece	EUR	2 270 *	2 175	2 090	4.4	4.1	4.1	3.4
Cyprus	EUR	507	481	466	5.3	3.3	4.8	2.5	
<b>Total</b>								<b>2.9</b>	<b>3.2</b>
Emerging EMEA	Russia	RUB	1 070 301 +	1 026 006	946 048	4.3	8.5	-0.1	5.4
	Poland	PLN	45 992 +	44 065	41 311	4.4	6.7	2.1	4.8
	Iran	IRR	na. *	na. *	343 334 000	na.	na.	na.	na.
	United Arab Emirates	11 AED	36 938 *	34 208	35 069	8.0	-2.5	10.1	-5.4
	Saudi Arabia	SAR	36 836 +	33 912	35 363	8.6	-4.1	10.0	-6.4
	South Africa	ZAR	135 349	129 667	124 432	4.4	4.2	0.2	-0.4
	Turkey	TRY	52 482 *	43 580	37 212	20.4	17.1	4.6	0.7
	Czech Republic	CZK	112 512 +	99 379	93 226	13.2	6.6	10.1	4.3
	Morocco	MAD	24 576	22 962 *	21 751	7.0	5.6	6.7	3.7
	Hungary	HUF	630 166 +	538 061	483 129	17.1	11.4	13.3	8.3
	Romania	RON	8 994 *	8 153	7 770	10.3	4.9	6.3	0.3
	Ukraine	UAH	52 725 *	45 461	40 518	16.0	12.2	7.5	1.1
	Slovenia	EUR	1 763 +	1 624	1 526	8.6	6.5	6.8	4.6
	Slovakia	EUR	1 390 +	1 370	1 294	1.5	5.9	-1.1	3.3
	Bulgaria	BGN	2 516 +	2 138	1 771	17.7	20.7	14.2	17.4
	Qatar	QAR	4 827 *	4 860	5 041	-0.7	-3.6	0.0	-3.9
	Kenya	KES	130 830 +	128 848	124 780	1.5	3.3	-3.5	-1.4
	Kuwait	KWD	353 *	345 *	295	2.3	16.8	1.2	16.1
	Lebanon	LBP	1 718 760 +	1 747 282	1 699 589	-1.6	2.8	-4.4	-3.1
	Algeria	DZD	134 651	126 046	122 111	6.8	3.2	4.3	-0.3
	Croatia	HRK	7 415	6 721	6 116	10.3	9.9	9.5	8.3
	Egypt	14 EGP	18 113	15 621	12 329	15.9	26.7	1.8	4.8
	Oman	OMR	372 *	367	360	1.4	2.0	1.2	1.1
	Nigeria	NGN	25 762 *	233 144	202 734	10.6	15.0	-0.8	2.6
	Kazakhstan	KZT	319 917 +	261 275	266 813	22.4	-1.7	16.3	-7.3
	Pakistan	PKR	105 000 *	100 000	95 000	5.0	5.3	-4.0	-0.1
	Serbia	RSD	na.	75 256 *	71 709	na.	4.9	na.	2.9
Jordan	JOD	529	520	514	1.6	1.2	0.8	-3.1	
Tunisia	TND	na.	na.	1 630	na.	na.	na.	na.	
Bahrain	BHD	244 *	233	216	5.0	7.7	4.0	5.5	
Namibia	NAD	3 857	3 788 *	3 714	1.8	2.0	-1.8	-2.2	
<b>Total</b>								<b>4.3</b>	<b>1.1</b>
Advanced Asia-Pacific	Japan	12 JPY	12 817 120 *	12 294 740	11 696 140	4.2	5.1	3.7	4.4
	South Korea	12 KRW	94 649 240 *	89 970 760	87 281 470	5.2	3.1	4.8	1.7
	Australia	18 AUD	68 576 +	65 169	63 233	5.2	3.1	3.6	1.1
	Taiwan	TWD	630 917	599 175	575 184	5.3	4.2	4.7	2.8
	New Zealand	14 NZD	13 371 *	12 823	11 906	4.3	7.7	2.6	6.0
	Singapore	SGD	11 784 +	11 343	10 591	3.9	7.1	3.3	6.6
	Hong Kong	HKD	42 413	38 436	36 130	10.3	6.4	7.2	3.9
	<b>Total</b>								<b>4.1</b>
Emerging Asia-Pacific	PR China	CNY	1 989 000 +	1 729 376	1 512 544	15.0	14.3	11.8	12.0
	India	12 INR	1 892 155 +	1 724 828	1 534 376	9.7	12.4	5.7	8.5
	Thailand	THB	289 232 *	273 421	257 242	5.8	6.3	5.0	5.2
	Indonesia	IDR	91 720 030 *	82 305 980	73 616 900	11.4	11.8	8.4	8.2
	Malaysia	12 MYR	20 724	20 317	19 794	2.0	2.6	0.9	2.2
	Vietnam	VND	61 429 470 *	53 464 000	41 594 000	14.9	28.5	11.8	24.1
	Philippines	PHP	100 551 *	92 895	84 015	8.2	10.6	5.6	5.1
	Sri Lanka	LKR	109 000	101 204	93 389	7.7	8.4	4.1	6.1
	Bangladesh	BDT	37 338 *	32 912 *	29 814	13.4	10.4	7.4	4.6
	Macao	MOP	2 851 *	2 499	2 286	14.1	9.3	11.0	6.1
<b>Total</b>								<b>10.8</b>	<b>11.2</b>
<b>World</b>	<b>World</b>							<b>3.5</b>	<b>3.7</b>



Table VII

## Non-life premium volume in USD in 2019

	2019	Ranking 2018	Country	Premium volume (in millions of USD)		Change (in %) 2018		Share of total business 2019 (in %)	Share of world market 2019 (in %)
				2019	2018	nominal (in USD)	inflation- adjusted <sup>17</sup>		
<b>North America</b>	1	1	United States	9 183 160	* 1 759 339	4.1	2.3	74.5	54.25
	8	8	Canada	10 79 840	* 75 184	6.2	6.6	60.0	2.36
			<b>Total</b>	<b>1 911 441</b>	<b>1 834 523</b>	<b>4.2</b>	<b>2.4</b>	<b>73.7</b>	<b>56.61</b>
<b>Latin America and Caribbean</b>	13	13	Brazil	32 803	* 33 868	-3.1	0.8	44.3	0.97
	19	19	Mexico	16 302	15 238	7.0	3.3	53.5	0.48
	35	22	Argentina	17 8 058	* 10 359	-22.2	-12.9	86.2	0.24
	38	36	Colombia	6 188	* 6 320	-2.1	5.0	67.9	0.18
	41	39	Chile	5 310	* 5 436	-2.3	4.8	40.3	0.16
	51	51	Peru	2 151	* 2 008	7.1	6.5	50.8	0.06
	58	59	Ecuador	1 364	1 276	6.9	6.6	75.9	0.04
	61	64	Costa Rica	1 197	1 129	6.0	5.7	84.0	0.04
	63	61	Panama	1 162	1 178	-1.3	-1.1	74.1	0.03
	64	67	Dominican Republic	1 150	1 011	13.8	15.0	84.4	0.03
	70	70	Uruguay	915	898	1.9	8.3	58.8	0.03
	73	72	Cayman Islands	798	** 765	4.3	na.	96.3	0.02
	75	76	Guatemala	766	737	4.0	2.7	78.4	0.02
	78	79	Trinidad and Tobago	710	642	10.6	8.9	52.3	0.02
	81	82	Cuba	636	** 615	3.5	na.	83.9	0.02
	82	83	Bahamas	622	** 599	3.7	na.	74.9	0.02
	85	85	Jamaica	525	** 507	3.6	na.	60.3	0.02
			Other countries	2 290	2 373			68.7	0.07
			<b>Total</b>	<b>82 947</b>	<b>84 960</b>	<b>-2.4</b>	<b>0.7</b>	<b>52.8</b>	<b>2.46</b>
<b>Advanced EMEA</b>	3	3	Germany	142 301	* 145 890	-2.5	1.5	58.4	4.21
	5	5	United Kingdom	102 022	* 106 167	-3.9	-1.3	27.9	3.02
	6	6	France	94 694	+ 95 498	-0.8	3.5	36.1	2.80
	9	9	Netherlands	69 220	+ 71 336	-3.0	-0.2	82.7	2.05
	11	11	Italy	43 705	+ 44 933	-2.7	2.0	26.0	1.29
	12	12	Spain	40 193	+ 41 024	-2.0	2.7	56.6	1.19
	14	14	Switzerland	28 743	+ 28 720	0.1	1.3	48.8	0.85
	17	17	Belgium	18 039	+ 18 393	-1.9	2.0	49.5	0.53
	20	41	Luxembourg	13 905	+ 4 989	178.7	189.3	30.6	0.41
	21	20	Austria	13 584	** 13 863	-2.0	1.8	68.9	0.40
	26	24	Sweden	9 738	10 089	-3.5	3.1	25.4	0.29
	27	25	Denmark	9 464	+ 9 847	-3.9	0.8	25.5	0.28
	32	30	Norway	8 781	+ 8 942	-1.8	4.0	42.1	0.26
	33	32	Israel	8 709	+ 8 528	2.1	0.4	45.1	0.26
	36	35	Ireland	7 050	* 7 189	-1.9	2.5	9.6	0.21
	39	37	Portugal	5 926	+ 5 786	2.4	7.7	42.5	0.18
	42	40	Finland	5 033	** 5 123	-1.8	2.6	18.4	0.15
	45	45	Malta	3 663	** 3 634	0.8	na.	64.6	0.11
	46	46	Liechtenstein	3 158	** 3 082	2.5	3.7	56.6	0.09
	49	47	Greece	2 540	* 2 569	-1.1	4.1	53.8	0.08
	84	84	Cyprus	568	569	-0.2	4.8	56.8	0.02
			Other countries	549	586			91.5	0.02
			<b>Total</b>	<b>631 588</b>	<b>636 758</b>	<b>-0.8</b>	<b>2.9</b>	<b>39.4</b>	<b>18.71</b>
<b>Emerging EMEA</b>	18	18	Russia	16 533	+ 16 372	1.0	-0.1	72.3	0.49
	22	21	Poland	11 977	+ 12 201	-1.8	2.1	75.5	0.35
	23	23	Iran	10 418	* 10 292	1.2	na.	84.2	0.31
	24	27	United Arab Emirates	11 100	* 9 313	8.0	10.1	79.1	0.30
	25	28	Saudi Arabia	9 823	+ 9 043	8.6	10.0	97.4	0.29
	28	26	South Africa	9 368	** 9 794	-4.3	0.2	19.9	0.28
	30	29	Turkey	9 244	* 9 035	2.3	4.6	84.6	0.27
	44	44	Czech Republic	4 906	+ 4 573	7.3	10.1	68.0	0.15
	48	48	Morocco	2 555	** 2 446	4.5	6.7	55.1	0.08
	50	52	Hungary	2 168	+ 1 991	8.9	13.3	55.5	0.06
	52	50	Romania	2 122	* 2 068	2.6	6.3	81.5	0.06
	53	55	Ukraine	2 040	* 1 671	22.1	7.5	91.8	0.06
	54	53	Slovenia	1 974	+ 1 919	2.9	6.8	70.0	0.06
	56	56	Slovakia	1 557	+ 1 618	-3.8	-1.1	62.5	0.05
	57	58	Bulgaria	1 440	+ 1 290	11.6	14.2	87.8	0.04
	59	57	Qatar	1 326	* 1 335	-0.7	0.0	95.9	0.04
	60	60	Kenya	1 283	+ 1 272	0.9	-3.5	57.3	0.04
	62	63	Kuwait	1 163	* 1 143	1.8	1.2	87.2	0.03
	65	62	Lebanon	1 140	+ 1 159	-1.6	-4.4	70.8	0.03
	66	65	Algeria	1 128	** 1 081	4.4	4.3	90.4	0.03
	67	66	Croatia	1 120	1 070	4.6	9.5	70.7	0.03
	68	71	Egypt	1 029	881	16.8	1.8	54.2	0.03
	69	68	Oman	968	* 955	1.4	1.2	86.7	0.03
	71	73	Nigeria	840	* 762	10.3	-0.8	51.3	0.02
	72	74	Kazakhstan	836	+ 758	10.3	16.3	68.3	0.02
	74	69	Pakistan	770	* 909	-15.3	-4.0	30.9	0.02
	76	75	Serbia	748	** 751	-0.5	na.	76.8	0.02
	77	77	Jordan	745	** 733	1.6	0.8	86.0	0.02
	79	78	Tunisia	653	** 675	-3.2	na.	78.6	0.02
	80	81	Bahrain	650	* 619	5.0	4.0	82.5	0.02
	88	88	Namibia	267	** 286	-6.7	-1.8	20.5	0.01
	88	88	Zimbabwe	8 295	8 577			72.2	0.25
			Other countries	119 142	116 594	2.2	4.3	61.6	3.53
			<b>Total</b>	<b>1 146 889</b>	<b>1 126 699</b>	<b>1.8</b>	<b>1.4</b>	<b>60.4</b>	<b>4.83</b>
<b>Advanced Asia-Pacific</b>	4	4	Japan	12 118 019	* 11 085 9	6.5	3.7	25.7	3.50
	7	7	South Korea	12 80 037	* 80 818	-1.0	4.8	45.9	2.37
	10	10	Australia	47 667	+ 48 662	-2.0	3.6	69.4	1.41
	16	16	Taiwan	20 401	19 864	2.7	4.7	17.3	0.60
	31	31	New Zealand	8 810	* 8 870	-0.7	2.6	83.5	0.26
	34	34	Singapore	8 638	+ 8 410	2.7	3.3	28.0	0.26
	40	43	Hong Kong	5 413	4 904	10.4	7.2	7.5	0.16
			Other countries	210	200			59.1	0.01
			<b>Total</b>	<b>289 196</b>	<b>282 588</b>	<b>2.3</b>	<b>4.1</b>	<b>31.0</b>	<b>8.57</b>
<b>Emerging Asia-Pacific</b>	2	2	PR China	287 967	+ 261 517	10.1	11.8	46.6	8.53
	15	15	India	26 637	+ 24 669	8.0	5.7	25.1	0.79
	29	33	Thailand	9 316	* 8 462	10.1	5.0	34.3	0.28
	37	38	Indonesia	6 487	* 5 784	12.2	8.4	29.1	0.19
	43	42	Malaysia	4 985	4 984	0.0	0.9	29.1	0.15
	47	49	Vietnam	2 645	* 2 323	13.9	11.8	35.9	0.08
	55	54	Philippines	1 941	* 1 764	10.1	5.6	31.3	0.06
	83	80	Sri Lanka	609	** 623	-2.2	4.1	55.9	0.02
	86	86	Bangladesh	442	* 394	12.1	7.4	30.0	0.01
	87	87	Macao	353	* 310	14.1	11.0	9.9	0.01
			Other countries	638	589			57.9	0.02
			<b>Total</b>	<b>342 020</b>	<b>311 419</b>	<b>9.8</b>	<b>10.8</b>	<b>42.2</b>	<b>10.13</b>
<b>World</b>			<b>World</b>	<b>3 376 333</b>	<b>3 266 841</b>	<b>3.4</b>	<b>3.5</b>	<b>53.7</b>	<b>100.00</b>



Table VIII

Insurance density: premiums (1) per capita in USD in 2019

	Ranking	Country		Total business	Life business	Non-life business
USA and Canada	3	United States	9	7 495 *	1 915 +	5 580 *
	18	Canada	10	3 548 *	1 421 *	2 128 *
		<b>Total</b>		<b>7 090</b>	<b>1 864</b>	<b>5 226</b>
Latin America and Caribbean	1	Cayman Islands		12 764 **	469 **	12 295 **
	27	Bahamas		2 131 **	534 **	1 596 **
	34	Trinidad and Tobago		975	465	509
	36	Chile		695 *	415 *	280 *
	44	Uruguay		449	185	264
	51	Panama		369	96	274
	52	Brazil		351 *	196 *	155 *
	54	Jamaica		295 **	117 **	178 **
	56	Costa Rica		283	45	237
	57	Mexico		239	111	128
	61	Argentina		208 *	29 *	180 *
	62	Colombia		182 *	58 *	123 *
	68	Peru		130 *	64 *	66 *
	70	Dominican Republic		127	20	107
	71	Ecuador		104	25	79
	77	Cuba		67 **	11 **	56 **
	80	Guatemala		56	12	44
		<b>Total</b>		<b>244</b>	<b>115</b>	<b>129</b>
Advanced EMEA	4	Switzerland		6 835 +	3 502 +	3 332 +
	5	Denmark		6 384 *	4 757 *	1 627 +
	6	Ireland	1	5 920 **	4 490 **	1 430 *
	8	Luxembourg	1	5 165 +	3 235 +	1 930 +
	10	Finland		4 948 **	4 037 *	911 **
	12	Netherlands		4 822 **	832 **	3 990 +
	13	United Kingdom		4 362 *	3 383 *	978 *
	14	Sweden	1	3 729 *	2 783 *	946
	15	France		3 719 *	2 413 *	1 306 +
	17	Norway	1	3 586 *	2 253 *	1 333 +
	20	Germany	1	2 934 **	1 222 **	1 712 *
	21	Italy	1	2 764 **	2 039 **	725 +
	22	Belgium	1	2 750 *	1 592 *	1 158 +
	24	Israel		2 269 +	1 246 +	1 022 +
	25	Austria		2 219 **	690 **	1 529 **
	28	Spain		1 508 +	654 +	854 +
	29	Malta		1 426 **	1 041 **	385 **
	31	Portugal		1 331 **	763 **	568 +
	33	Cyprus		1 126	486	640
38	Liechtenstein		640 **	613 **	27 **	
45	Greece		441 *	204 *	237 *	
		<b>Total</b>		<b>3 247</b>	<b>1 953</b>	<b>1 293</b>
Emerging EMEA	30	Slovenia		1 354 +	405 +	948 +
	32	United Arab Emirates	11	1 302 *	272 *	1 030 *
	35	South Africa		803 **	643 *	160 **
	37	Czech Republic		677 +	217 +	460 +
	39	Bahrain		557 *	97 *	460 *
	41	Namibia		523 **	416 **	107 **
	42	Qatar		489 *	20 *	469 *
	43	Slovakia		457 +	171 +	285 +
	47	Poland		418 +	103 +	316 +
	48	Hungary		401 +	179 +	223 +
	49	Croatia		391	114	276
	53	Kuwait		318 *	41 *	277 *
	55	Saudi Arabia		294 +	8 +	287 +
	58	Lebanon		236 +	69 +	167 +
	59	Bulgaria		236 +	29 +	207 +
	60	Oman		225 *	30 *	195 *
	63	Russia		157 +	43 +	113 +
	64	Iran	13	149 *	24 *	126 *
	65	Serbia		140 **	32 **	108 **
	66	Romania		135 *	25 *	110 *
67	Turkey		131 *	20 *	111 *	
69	Morocco		127 **	57 **	70 **	
72	Jordan		86 **	12 **	74 **	
76	Tunisia		71 **	15 **	56 **	
78	Kazakhstan		66 +	21 +	45 +	
81	Ukraine		53 *	4 *	49 *	
83	Kenya		43 +	18 +	24 +	
84	Algeria		29 **	3 **	26 **	
85	Egypt	14	19	9	10	
86	Pakistan		12 *	8 *	4 *	
88	Nigeria		8 *	4 *	4 *	
		<b>Total</b>		<b>85</b>	<b>32</b>	<b>52</b>
Advanced Asia-Pacific	2	Hong Kong		9 706 +	8 979 +	727
	9	Taiwan		4 993	4 129	865
	11	Singapore	1	4 872 +	3 844 +	1 028 +
	16	Japan	12	3 621 *	2 691 *	930 *
	19	South Korea	12	3 366 *	1 822 *	1 544 *
	23	Australia		2 702 +	827 +	1 875 +
26	New Zealand		2 144 *	354 *	1 790 *	
		<b>Total</b>		<b>3 613</b>	<b>2 502</b>	<b>1 111</b>
Emerging Asia-Pacific	7	Macao		5 551 *	4 999 *	551 *
	40	Malaysia	12	536	380	156
	46	PR China		430 +	230 +	201 +
	50	Thailand		389 *	256	134 *
	73	Indonesia		82 *	58 *	24 *
	74	India	12	78 *	58 *	19 +
	75	Vietnam		76 *	49 *	27 *
	79	Philippines		57 *	39 *	18 *
	82	Sri Lanka		51 **	23 **	29 **
87	Bangladesh		9 *	6 *	3 *	
		<b>Total</b>		<b>207</b>	<b>120</b>	<b>87</b>
<b>World</b>		<b>World</b>	<b>3</b>	<b>818</b>	<b>379</b>	<b>439</b>

Table IX

Insurance penetration: premiums (1) as a % of GDP in 2019

	Ranking	Country		Total business	Life business	Non-life business
USA and Canada	5	United States	9	11.43 *	2.92 +	8.51 *
	16	Canada		7.67 *	3.07 *	4.60 *
		<b>Total</b>	10	<b>11.15</b>	<b>2.93</b>	<b>8.21</b>
Latin America and Caribbean	3	Cayman Islands		19.18 **	0.71 **	18.48 **
	21	Bahamas		6.20 **	1.55 **	4.65 **
	25	Trinidad and Tobago		5.73	2.74	3.00
	26	Jamaica		5.37 **	2.13 **	3.24 **
	35	Chile		4.69 *	2.80 *	1.89 *
	40	Brazil		4.03 *	2.25 *	1.78 *
	46	Colombia		2.82 *	0.91 *	1.91 *
	47	Uruguay		2.74	1.13	1.61
	52	Mexico		2.42	1.13	1.29
	54	Panama		2.33	0.60	1.73
	56	Costa Rica		2.29	0.37	1.92
	61	Argentina		2.07 *	0.28 *	1.78 *
	66	Peru		1.84 *	0.90 *	0.93 *
	68	Ecuador		1.66	0.40	1.26
	69	Dominican Republic		1.54	0.24	1.30
	76	Guatemala		1.20	0.26	0.94
	81	Cuba		0.73 **	0.12 **	0.61 **
		<b>Total</b>		<b>3.02</b>	<b>1.43</b>	<b>1.60</b>
Advanced EMEA	7	Denmark		10.68 *	7.96 *	2.72 +
	9	United Kingdom	1	10.30 *	7.99 *	2.31 *
	10	Finland		10.17 **	8.30 *	1.87 **
	11	Netherlands		9.22 **	1.59 **	7.63 +
	12	France	1	9.21 *	5.98 *	3.24 +
	14	Switzerland		8.38 +	4.30 +	4.09 +
	15	Italy	1	8.33 **	6.15 **	2.18 +
	18	Ireland	1	7.51 **	5.70 **	1.81 *
	19	Sweden		7.22 *	5.39 *	1.83
	20	Germany	1	6.33 **	2.64 **	3.69 *
	23	Belgium	1	5.96 *	3.45 *	2.51 +
	24	Portugal		5.75 **	3.29 **	2.45 +
	28	Spain		5.10 +	2.21 +	2.88 +
	32	Malta		4.91 **	3.59 **	1.32 **
	33	Norway	1	4.73 *	2.97 *	1.76 +
	36	Luxembourg	1	4.53 +	2.84 +	1.69 +
	37	Austria		4.42 **	1.37 **	3.05 **
39	Cyprus		4.05	1.75	2.31	
57	Greece		2.25 *	1.04 *	1.21 *	
86	Liechtenstein		0.36 **	0.35 **	0.02 **	
88	Israel		na. +	2.69 +	2.20 +	
		<b>Total</b>		<b>7.71</b>	<b>4.64</b>	<b>3.07</b>
Emerging EMEA	4	South Africa		13.40 **	10.73 *	2.67 **
	8	Namibia		10.44 **	8.31 **	2.14 **
	29	Slovenia		5.05 +	1.51 +	3.54 +
	41	Morocco		3.89 **	1.75 **	2.14 **
	43	United Arab Emirates	11	3.13 *	0.65 *	2.47 *
	44	Lebanon		2.85 +	0.83 +	2.01 +
	45	Czech Republic		2.83 +	0.91 +	1.93 +
	48	Poland		2.68 +	0.66 +	2.02 +
	49	Iran	13	2.66 *	0.42 *	2.24 *
	50	Croatia		2.64	0.77	1.87
	51	Hungary		2.43 +	1.08 +	1.35 +
	53	Bulgaria		2.42 +	0.29 +	2.12 +
	55	Kenya		2.32 +	0.99 +	1.33 +
	59	Slovakia		2.21 +	0.83 +	1.38 +
	60	Tunisia		2.15 **	0.46 **	1.69 **
	63	Bahrain		1.95 *	0.34 *	1.61 *
	64	Serbia		1.93 **	0.45 **	1.48 **
	65	Jordan		1.89 **	0.26 **	1.63 **
	70	Ukraine		1.52 *	0.12 *	1.40 *
	71	Turkey		1.45 *	0.22 *	1.23 *
72	Russia		1.35 +	0.37 +	0.97 +	
73	Oman		1.32 *	0.18 *	1.15 *	
74	Saudi Arabia		1.27 +	0.03 +	1.24 +	
77	Romania		1.16 *	0.21 *	0.94 *	
78	Kuwait		0.98 *	0.13 *	0.85 *	
79	Pakistan		0.88 *	0.61 *	0.27 *	
80	Algeria		0.74 **	0.07 **	0.67 **	
82	Qatar		0.72 *	0.03 *	0.69 *	
83	Kazakhstan		0.69 +	0.22 +	0.47 +	
84	Egypt	14	0.63	0.29	0.34	
87	Nigeria		0.34 *	0.17 *	0.18 *	
		<b>Total</b>		<b>1.94</b>	<b>0.74</b>	<b>1.19</b>
Advanced Asia-Pacific	1	Taiwan		19.97	16.51	3.46
	2	Hong Kong		19.74 +	18.26 +	1.48
	6	South Korea	12	10.78 *	5.84 *	4.95 *
	13	Japan	12	9.00 *	6.69 *	2.31 *
	17	Singapore	1	7.55 +	5.96 +	1.59 +
	27	New Zealand		5.14 *	0.85 *	4.29 *
	31	Australia		4.95 +	1.52 +	3.44 +
		<b>Total</b>		<b>9.63</b>	<b>6.67</b>	<b>2.96</b>
Emerging Asia-Pacific	22	Macao		6.15 *	5.54 *	0.61 *
	30	Thailand		4.99 *	3.28	1.71 *
	34	Malaysia		4.72	3.35	1.37
	38	PR China	12	4.30 +	2.30 +	2.01 +
	42	India	12	3.76 *	2.82 *	0.94 +
	58	Vietnam		2.24 *	1.43 *	0.80 *
	62	Indonesia		1.99 *	1.41 *	0.58 *
	67	Philippines		1.72 *	1.18 *	0.54 *
	75	Sri Lanka		1.25 **	0.55 **	0.70 **
	85	Bangladesh		0.49 *	0.34 *	0.15 *
		<b>Total</b>		<b>3.89</b>	<b>2.25</b>	<b>1.64</b>
<b>World</b>		<b>World</b>	<b>3</b>	<b>7.23</b>	<b>3.35</b>	<b>3.88</b>

**Table X**  
**Macroeconomic indicators in 2019**

Ranking by GDP	Country	Population (millions) 2019	USDbn 2019	Gross domestic product real change (in%)		Inflation rate (in %)		Exchange rate local currency per USD change (in %)		
				2019	2018	2019	2018	2019	2018	2019
<b>USA and Canada</b>										
1	United States	328	21 532	2.3	2.9	1.8	2.4	1.00	1.00	0.0
10	Canada	38	1 736	1.6	2.0	2.0	2.2	1.33	1.30	2.4
	<b>Total</b>	<b>366</b>	<b>23 268</b>	<b>2.3</b>	<b>2.9</b>					
<b>Latin America and Caribbean</b>										
9	Brazil	211	1 840	1.1	1.3	3.7	3.7	3.94	3.65	8.0
15	Mexico	128	1 260	-0.1	2.1	3.6	4.9	19.25	19.23	0.1
28	Argentina	45	452	-2.1	-2.4	54.1	34.3	47.97	27.81	72.5
41	Colombia	50	324	3.3	2.5	3.5	3.2	3281.39	2956.36	11.0
45	Chile	19	281	1.0	4.1	2.3	2.3	703.25	641.22	9.7
49	Peru	32	230	2.2	4.0	2.1	1.3	3.34	3.29	1.5
61	Ecuador	17	109	0.0	1.3	0.3	-0.2	1.00	1.00	0.0
62	Cuba	11	104	0.5	2.2	6.0	4.9	1.00	1.00	0.0
64	Dominican Republic	11	88	4.2	7.0	1.6	3.6	50.84	49.51	2.7
67	Guatemala	18	82	3.1	3.1	3.6	3.8	7.70	7.52	2.3
70	Panama	4	67	2.8	3.7	-0.2	0.8	1.00	1.00	0.0
71	Costa Rica	5	62	2.1	2.7	2.1	2.2	584.08	573.79	1.8
74	Uruguay	3	57	0.4	1.6	7.9	7.6	35.26	30.73	14.7
82	Trinidad and Tobago	1	24	1.3	-0.1	1.3	1.0	6.75	6.77	-0.2
83	Jamaica	3	16	1.6	1.9	3.6	3.7	133.34	129.59	2.9
85	Bahamas	0	13	1.1	2.3	1.8	2.2	1.00	1.00	0.0
88	Cayman Islands	0	4	2.0	2.6	1.8	3.3	0.83	0.83	0.0
	<b>Total</b>	<b>16</b>	<b>644</b>	<b>5 200</b>	<b>0.8</b>	<b>1.5</b>				
<b>Advanced EMEA</b>										
4	Germany	83	3 852	0.6	1.6	1.4	1.8	0.89	0.85	5.5
5	United Kingdom	67	2 829	1.4	1.3	1.8	2.5	0.78	0.75	4.6
7	France	67	2 709	1.3	1.7	1.1	1.9	0.89	0.85	5.5
8	Italy	60	2 001	0.3	0.7	0.6	1.1	0.89	0.85	5.5
13	Spain	47	1 393	2.0	2.4	0.7	1.7	0.89	0.85	5.5
17	Netherlands	17	907	1.7	2.6	2.6	1.7	0.89	0.85	5.5
20	Switzerland	9	703	0.9	2.8	0.4	0.9	0.99	0.98	1.6
24	Sweden	10	531	1.3	2.3	1.8	2.0	9.46	8.70	8.7
25	Belgium	11	529	1.4	1.5	1.4	2.1	0.89	0.85	5.5
29	Austria	9	446	1.5	2.3	1.5	2.0	0.89	0.85	5.5
31	Norway	5	406	1.2	1.5	2.2	2.8	8.80	8.13	8.2
32	Israel	9	395	3.5	3.5	0.8	0.8	3.56	3.60	-0.9
33	Ireland	5	389	5.6	8.5	0.9	0.5	0.89	0.85	5.5
39	Denmark	6	348	2.3	2.4	0.8	0.8	6.67	6.31	5.6
46	Finland	6	269	1.0	1.6	1.0	1.1	0.89	0.85	5.5
48	Portugal	10	238	2.2	2.6	0.3	1.0	0.89	0.85	5.5
51	Greece	11	209	1.9	1.9	0.3	0.6	0.89	0.85	5.5
68	Luxembourg	1	71	2.5	3.1	1.6	2.0	0.89	0.85	5.5
81	Cyprus	1	25	3.3	4.1	0.5	0.8	0.89	0.85	5.5
84	Malta	1	15	4.4	7.0	1.5	1.7	0.89	0.85	5.5
87	Liechtenstein	0	7	1.2	2.0	0.4	0.9	0.99	0.98	1.6
	<b>Total</b>	<b>435</b>	<b>18 297</b>	<b>1.3</b>	<b>1.9</b>					
<b>Emerging EMEA</b>										
11	Russia	146	1 698	1.3	2.2	4.5	2.9	64.74	62.67	3.3
18	Saudi Arabia	34	793	0.3	2.4	-1.2	2.5	3.75	3.75	0.0
19	Turkey	84	754	0.8	3.1	15.2	16.3	5.68	4.82	17.7
21	Poland	38	592	4.2	5.2	2.2	1.8	3.84	3.61	6.3
26	Nigeria	201	475	2.2	1.9	11.4	12.1	306.92	306.08	0.3
27	Iran	83	465	-10.9	-4.8	41.7	26.5	50124.97	41894.94	19.6
30	United Arab Emirates	10	406	2.4	1.7	-1.9	3.1	3.67	3.67	0.0
38	South Africa	59	351	0.2	0.8	4.1	4.6	14.45	13.24	9.1
42	Egypt	100	302	5.6	5.3	13.9	20.9	17.60	17.73	-0.7
44	Pakistan	217	283	3.3	5.5	9.4	5.3	136.41	110.03	24.0
47	Czech Republic	11	255	2.4	2.8	2.2	2.2	22.93	21.73	5.5
50	Romania	19	225	4.2	4.5	3.8	4.6	4.24	3.94	7.5
53	Qatar	3	191	0.0	1.5	-0.7	0.3	3.64	3.64	0.0
54	Kazakhstan	19	179	4.5	4.1	5.3	6.0	382.75	344.71	11.0
55	Algeria	43	169	0.9	1.4	2.4	3.5	116.35	116.59	2.4
56	Hungary	10	161	4.9	5.1	3.3	2.8	290.68	270.21	7.6
57	Ukraine	42	146	3.2	3.3	7.9	10.9	25.84	27.20	-5.0
58	Kuwait	4	137	1.1	1.2	1.1	0.6	0.30	0.30	0.5
59	Morocco	36	119	2.4	3.0	0.3	1.8	9.62	9.39	2.5
60	Slovakia	5	113	2.3	4.0	2.7	2.5	0.89	0.85	5.5
63	Kenya	53	96	5.4	6.3	5.2	4.7	101.99	101.30	0.7
66	Oman	5	85	1.3	1.8	0.2	0.9	0.38	0.38	0.0
69	Bulgaria	7	68	3.4	3.2	3.1	2.8	1.75	1.66	5.4
72	Croatia	4	60	3.0	2.7	0.8	1.5	6.62	6.28	5.5
75	Lebanon	7	57	-2.9	0.2	2.9	6.1	1507.50	1507.50	0.0
76	Slovenia	2	56	2.4	4.2	1.6	1.7	0.89	0.85	5.5
77	Serbia	7	50	4.1	4.4	1.8	2.0	105.25	100.18	5.1
78	Jordan	10	46	2.2	1.9	0.8	4.5	0.71	0.71	0.0
79	Bahrain	1	40	1.5	1.8	1.0	2.1	0.38	0.38	0.0
80	Tunisia	12	39	1.0	2.5	6.7	7.3	2.93	2.65	10.9
86	Namibia	2	12	-1.7	0.3	3.7	4.3	14.45	13.24	9.1
	<b>Total</b>	<b>2 289</b>	<b>9 990</b>	<b>1.6</b>	<b>2.6</b>					
<b>Advanced Asia-Pacific</b>										
3	Japan	127	5 103	0.7	0.3	0.5	0.7	108.60	110.90	-2.1
12	South Korea	52	1 618	2.0	2.7	0.4	1.3	1182.57	1113.25	6.2
14	Australia	25	1 387	1.8	2.7	1.6	1.9	1.44	1.34	7.4
22	Taiwan	24	590	2.4	2.6	0.6	1.3	30.93	30.16	2.5
34	Singapore	6	372	0.7	3.5	0.6	0.4	1.36	1.35	1.1
35	Hong Kong	7	366	-1.1	2.9	2.9	2.4	7.84	7.84	0.0
52	New Zealand	5	205	2.3	3.2	1.6	1.6	1.52	1.45	5.0
	<b>Total</b>	<b>258</b>	<b>9 678</b>	<b>1.2</b>	<b>1.5</b>					
<b>Emerging Asia-Pacific</b>										
2	PR China	1 435	14 346	6.2	6.8	2.9	2.1	6.91	6.61	4.4
6	India	1 368	2 824	4.8	6.8	3.8	3.6	71.04	69.92	1.6
16	Indonesia	271	1 120	5.0	5.2	2.8	3.3	14138.04	14230.65	-0.7
23	Thailand	70	544	2.4	4.1	0.7	1.1	31.05	32.31	-3.9
36	Malaysia	32	363	4.3	4.7	1.1	0.4	4.16	4.08	2.0
37	Philippines	108	359	5.9	6.2	2.5	5.2	51.80	52.66	-1.6
40	Vietnam	96	330	7.0	7.1	2.8	3.5	23223.96	23012.21	0.9
43	Bangladesh	163	301	8.2	7.9	5.6	5.5	84.44	83.47	1.2
65	Sri Lanka	21	87	2.6	3.2	3.5	2.1	178.86	162.48	10.1
73	Macao	1	58	-4.2	5.4	2.8	3.0	8.07	8.07	0.0
	<b>Total</b>	<b>3 919</b>	<b>20 831</b>	<b>5.7</b>	<b>6.5</b>					
<b>World</b>										
	<b>World</b>	<b>7 693</b>	<b>86 982</b>	<b>2.6</b>	<b>3.2</b>					

# Recent *sigma* publications

- 2020**
- No 1 Data-driven insurance: ready for the next frontier?
  - No 2 Natural catastrophes in times of economic accumulation and climate change
  - No 3 Power up: investing in infrastructure to drive sustainable growth in emerging markets
  - No 4 World insurance: riding out the 2020 pandemic storm
- 2019**
- No 1 Emerging markets: the silver lining amid a challenging outlook
  - No 2 Natural catastrophes and man-made disasters in 2018: “secondary” perils on the frontline
  - No 3 World insurance: the great pivot east continues
  - No 4 Advanced analytics: unlocking new frontiers in P&C insurance
  - No 5 Indexing resilience: a primer for insurance markets and economies
  - No 6 Global economic and insurance outlook 2020/21
- 2018**
- No 1 Natural catastrophes and man-made disasters in 2017: a year of record-breaking losses
  - No 2 Constructing the future: recent developments in engineering insurance
  - No 3 World insurance in 2017: solid, but mature life markets weigh on growth
  - No 4 Profitability in non-life insurance: mind the gap
  - No 5 Global economic and insurance outlook 2020
  - No 6 Mortality improvement: understanding the past and framing the future
- 2017**
- No 1 Cyber: getting to grips with a complex risk
  - No 2 Natural catastrophes and man-made disasters in 2016: a year of widespread damages
  - No 3 World insurance in 2016: the China growth engine steams ahead
  - No 4 Insurance: adding value to development in emerging markets
  - No 5 Commercial insurance: expanding the scope of insurability
  - No 6 Life in-force management: improving consumer value and long-term profitability
- 2016**
- No 1 Natural catastrophes and man-made disasters in 2015: Asia suffers substantial losses
  - No 2 Insuring the frontier markets
  - No 3 World insurance 2015: steady growth amid regional disparities
  - No 4 Mutual insurance in the 21st century: back to the future?
  - No 5 Strategic reinsurance and insurance: the increasing trend of customised solutions
- 2015**
- No 1 Keeping healthy in emerging markets: insurance can help
  - No 2 Natural catastrophes and man-made disasters in 2014: convective and winter storms generate most losses
  - No 3 M&A in insurance: start of a new wave?
  - No 4 World insurance in 2014: back to life
  - No 5 Underinsurance of property risks: closing the gap
  - No 6 Life insurance in the digital age: fundamental transformation ahead
- 2014**
- No 1 Natural catastrophes and man-made disasters in 2013: large losses from floods and hail; Haiyan hits the Philippines
  - No 2 Digital distribution in insurance: a quiet revolution
  - No 3 World insurance in 2013: steering towards recovery
  - No 4 Liability claims trends: emerging risks and rebounding economic drivers
  - No 5 How will we care? Finding sustainable long-term care solutions for an ageing world
- 2013**
- No 1 Partnering for food security in emerging markets
  - No 2 Natural catastrophes and man-made disasters in 2012: A year of extreme weather events in the US
  - No 3 World insurance 2012: Progressing on the long and winding road to recovery
  - No 4 Navigating recent developments in marine and airline insurance
  - No 5 Urbanisation in emerging markets: boon and bane for insurers
  - No 6 Life insurance: focusing on the consumer





**Published by**

Swiss Re Institute  
Swiss Re Management Ltd  
Mythenquai 50/60  
P.O. Box  
8022 Zurich  
Switzerland

Telephone +41 43 285 2551  
Email [institute@swissre.com](mailto:institute@swissre.com)

**Authors**

Daniel Staib  
Caroline De Souza Rodrigues Cabral  
Daniel Kubli  
Jürgen Dornigg

*sigma* editor  
Paul Ronke

**Managing editor**

Dr Jerome Jean Haegeli  
Swiss Re Group Chief Economist

Explore and visualize *sigma* data on natural catastrophes and the world insurance markets at [www.sigma-explorer.com](http://www.sigma-explorer.com)

© 2020 Swiss Re. All rights reserved.

The editorial deadline for this study was 12 June 2020.

*sigma* is available in English original language and Chinese.

*sigma* is available on Swiss Re's website: [www.swissre.com/sigma](http://www.swissre.com/sigma)

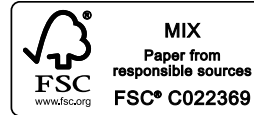
The internet version may contain slightly updated information.

Translations:

Spanish: Traductores Asociados Valencia S.L.

Graphic design and production:

Corporate Real Estate & Logistics / Media Production, Zurich



Printing: Multicolor Print AG, Baar

The entire content of this *sigma* edition is subject to copyright with all rights reserved. The information may be used for private or internal purposes, provided that any copyright or other proprietary notices are not removed. Electronic reuse of the data published in *sigma* is prohibited.

Reproduction in whole or in part or use for any public purpose is permitted only with the prior written approval of Swiss Re Economic Research & Consulting and if the source reference "Swiss Re, *sigma* No 04/2020" is indicated. Courtesy copies are appreciated.

Although all the information used in this study was taken from reliable sources, Swiss Re does not accept any responsibility for the accuracy or comprehensiveness of the information given or forward looking statements made. The information provided and forward-looking statements made are for informational purposes only and in no way constitute or should be taken to reflect Swiss Re's position, in particular in relation to any ongoing or future dispute. In no event shall Swiss Re be liable for any loss or damage arising in connection with the use of this information and readers are cautioned not to place undue reliance on forward-looking statements. Swiss Re undertakes no obligation to publicly revise or update any forward-looking statements, whether as a result of new information, future events or otherwise.

Order no: 270\_0420\_EN

Swiss Re Management Ltd.  
Swiss Re Institute  
Mythenquai 50/60  
P.O. Box  
8022 Zurich  
Switzerland

Telephone + 41 43 285 2551  
[swissre.com/institute](http://swissre.com/institute)