Insurance Tech: Fin Tech's Next Frontier

A data-driven look at the trends, emerging technologies and incumbents in the growing insurance tech landscape.



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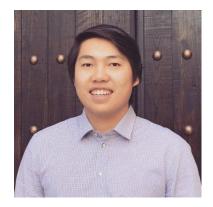
#insurinsights



About Our Presenter – Matthew Wong



- Research Analyst, CB Insights. Managing Insurance Tech Insights vertical and newsletter.
- Published research and data analysis have been featured in The New York Times, Wall Street Journal, Financial Times, Bloomberg among other major media outlets.
- TV appearances on <u>Al-Jazeera</u>, <u>Bloomberg TV</u>, and <u>BNN</u>.
- Graduate of Northwestern University with B.S., magna cum laude.





About CB Insights

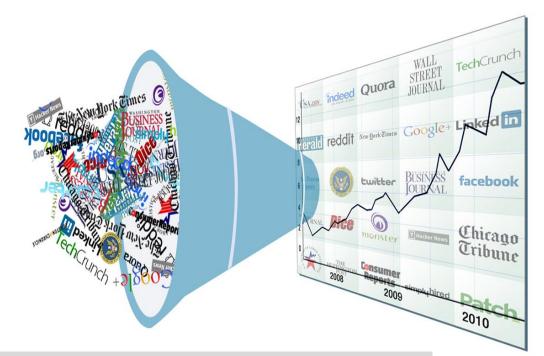
A unique combination of data science and machine learning to help you see what's next.

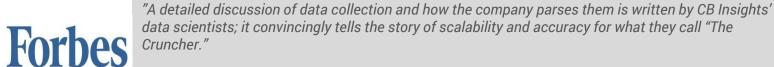
About CB Insights

Backed by the National Science Foundation and RSTP, CB Insights uses data science and machine learning to help our customers predict what's next—their next customer, their next investment, the next market they should attack, the next move of their competitor or the next company they should acquire.

The world's leading global corporations including the likes of Cisco, Salesforce, Castrol and Gartner as well as top tier VCs including, NEA, Upfront Ventures, RRE, and FirstMark Capital rely on CB Insights to make decisions based on data, not decibels.

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From "Predictive Analytics And Novel Visualization Draw Customers To 'Must Have' Data" published April 8, 2015



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"CB Insights' intuitive user interface, analytical capabilities, and detailed investment information create a very powerful tool for our team's research needs."



Nate D'Anna Corporate Development **Cisco**



"We're using CB Insights at Salesforce Ventures to analyze industry trends that are relevant to our strategy. It's helped improve our efficiency."



Matt Garratt Sr. Director, Corporate Development Salesforce Ventures



"CB Insights provides our team with a holistic and thematic approach that really captures market activity....we've found CBI to have the best access for the most accurate market view."

Jack Leeney

Portfolio Manager

Telefonica Ventures



"Designed by a VC insider who truly knows the space and understands end-user needs."



Greg Bae Investments & Biz Dev Comcast Ventures



"We have been looking for a tool that could give us the ability to track, research and identify investment opportunities. CB Insights provides this simply and in a simple, easy to use interface. The depth of information that we get is exactly what we need. Great product."



"CB Insights perfectly illustrates what I expect today from such online services to stay tuned to our fastchanging Tech Landscape. Accurate and up-to-date data mash-ups, intuitive UIs, smart data visualization capabilities and direct API access... all packaged together with straightforward pricing."



Jonathan Tudor Ventures Director Castrol innoVentures



Simon Mencarelli Senior Manager, Strategic Planning Dassault Systems



In God we trust, all others must bring data

IN THE NEXT 30-35 MINUTES, WE'LL COVER...



The booming insurance tech space

Financing trends to global insurance tech startups



The incumbent response

How are insurance firms and tech giants reacting to the insurance tech opportunity



Case study – Google

Resource allocation <u>is</u> strategy. How has Google moved strategically in insurance tech?



Where is insurance tech headed next?

What are some of the new things buzzing in insurance tech



INTRODUCING INSURANCE TECH INSIGHTS

Insurance Tech Insights is the first and only data-driven research publication focused on the emerging insurance tech industry.



<u>cbi.vc/insurance-tech</u>





www.cbinsights.com

INSURANCE TECH IS BOOMING Startups are invading the multi-trillion dollar insurance industry



Global life insurance premiums:

Global non-life insurance premiums: \$1.4 TRILLON

Source: McKinsey



INSURANCE LAGS SIGNIFICANTLY BEHIND OTHER INDUSTRIES IN CONSUMER SATISFACTION

Insurance incumbents have failed to create compelling digital experiences for consumers and trails behind personal banking significantly in consumer satisfaction with online experience



Source: BCG/Morgan Stanley

VENTURE CAPITALISTS ARE VERY PUBLICLY TALKING ABOUT INSURANCE TECH DISRUPTION



Insurance

SOFTWARE REWRITES INSURANCE

Insurance is all about distributing risk. With dramatic advances in software and data, shouldn't the way we buy and experience our insurance products change dramatically? Software will rewrite the entire way we buy and experience our insurance products – medical, home, auto, and life. Here's how:

khosla ventures

| n> | ngenuity journal |
|------|------------------|
| mutr | @ngenuityjournal |

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1 Follow

Insurance still ripe for disruption, @khoslaventures one of VC firms looking at space, #money2020 panel

7:33 AM - 26 Oct 2015

4 <u>13</u> 9 ...



Sector: Insurance in the Internet Age

Insurance is the next big wave of the fintech revolution that has been going on for the last 5-10 years. The internet has disrupted stock brokerage (E*Trade), payments (PayPal,



Insurance Is The Next Frontier For Fintech

Posted Aug 5, 2015 by Brendan Dickinson (ebdickins)



Rob Moffat Aug 18 + 9 min ce

Disrupting insurance

For most of 2015 I have been banging on about disrupting insurance (or Instech, if you like that kind of jargon). I'd like to use this blog post to talk about why I find it exciting.

Bain Capital Ventures



🔅 🙁 Follow

@mattcharris calls out insurance to be the next big space to be disrupted in Fintech. #money2020



Ribbit Capital



🔅 🔩 Follow

Ribbit spends 60% of their time on insurance, raised a massive fund to back 3-5 insurance brands of the future. #SVBFintech

| ETWEETS | LIKE 1 | 129 |
|-----------|------------|-----|
| 5:27 AM - | 3 Nov 2015 | |
| 45 | 23 | *** |



@ 4 min read

Investors Are Poised to Disrupt the Tech-Averse Insurance Industry

CORE INNOVATION CAPITAL

Slicing Up the Gecko

How tech start-ups can disrupt a \$5 trillion industry

Arjan Schütte, Founder & Managing Partner Thomas Smyth, Vice President Core Innovation Capital May 2015



Source: https://www.cbinsights.com/blog/insurance-tech-vc-commentary/



"In my previous life as a McKinsey consultant, I advised the top insurance companies on *projects* that were, at their core, incremental. They were always about increasing the productivity of the agent-based salesforce, or improving the efficiency of paper-based claims operations. In other words, what I was doing was putting the dinosaur on a diet and prodding it with a stick."



Jennifer Fitzgerald Founder & CEO, PolicyGenius



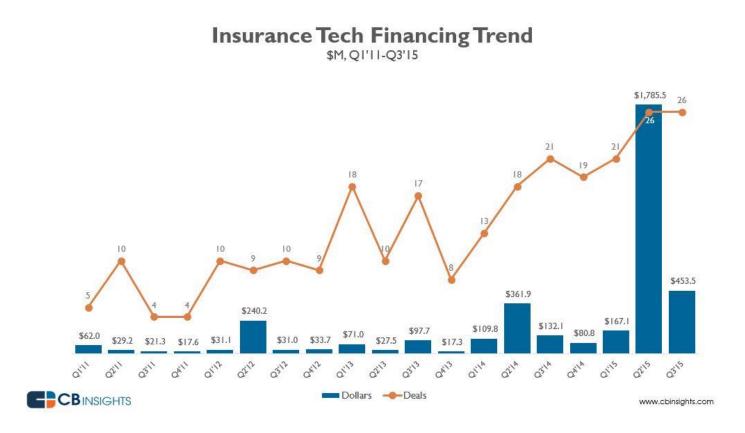
Source: http://www.entrepreneur.com/article/250095

INSURANCE TECH TODAY



FUNDING TO GLOBAL INSURANCE TECH STARTUPS HAS ALREADY TRIPLED IN GROWTH THIS YEAR

In 2014, tech companies targeting the insurance space took less than \$700M in funding. In just the first nine months of 2015, insurance tech startups have attracted more than three times as much funding.

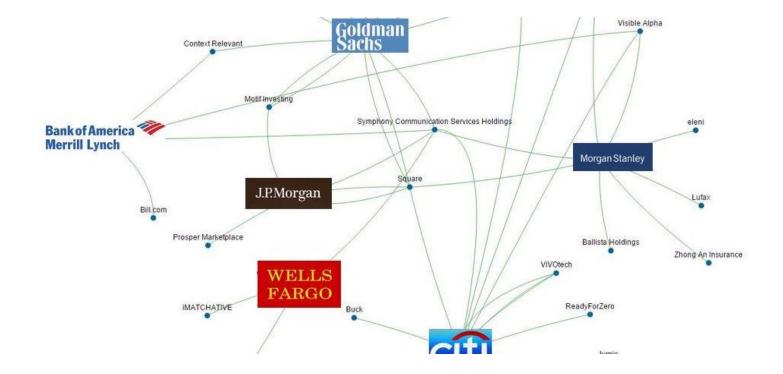


Source: https://www.cbinsights.com/blog/global-insurance-tech-funding-2015/



THE BUSINESS SOCIAL GRAPH

The Business Social Graph lets you visualize the investment, acquisition, competitor and partner & customer relationships between players in a space. It makes mapping an understanding an ecosystem dead simple.

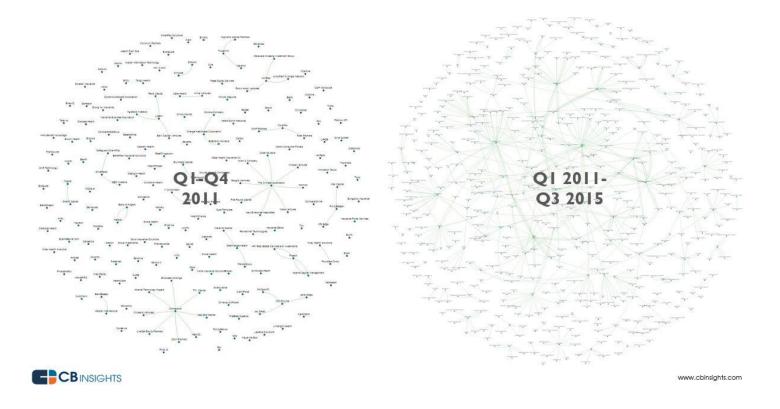




VENTURE CAPITAL INVESTORS ARE HERDING INTO INSURANCE TECH STARTUPS

Less than 50 investors (across all types) in 2011. Through Q3'15, the number of investors in an insurance tech startup has jumped past 380.

Investors in Insurance Tech: Then and Now

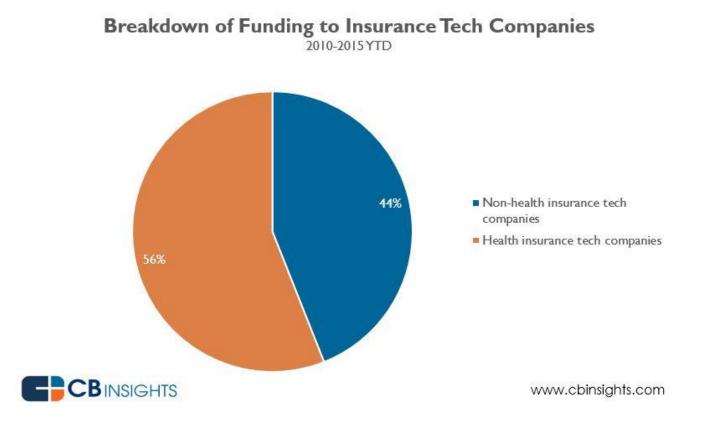


Source: https://www.cbinsights.com/blog/global-insurance-tech-funding-2015/



HEALTH INSURANCE STARTUPS DOMINANT IN RISE OF FUNDING

In 2010, the Affordable Care Act was signed into law in the United States, creating new opportunities for consumer health-insurance providers. Over half of all insurance tech startups that raised funding were health insurance-related from 2010 through June 2015



Source: https://www.cbinsights.com/blog/insurance-tech-startups-investment-growth/



EARLY-STAGE TAKES 60%+ OF INSURANCE TECH DEALS

Seed deal share in the first three quarters of 2015 has stood at 33% vs. 40%+ in each of the past four years. Series A deal share accounts for 31% of deals in 2015 YTD vs. 26% in 2014.

-32 5% 2% 5% 47% 46% 42% 41% 33% 2011 2012 2013 2014 QI-Q3 2015 Seed/Angel Series A Series B Series C Series D Series E+ CBINSIGHTS www.cbinsights.com

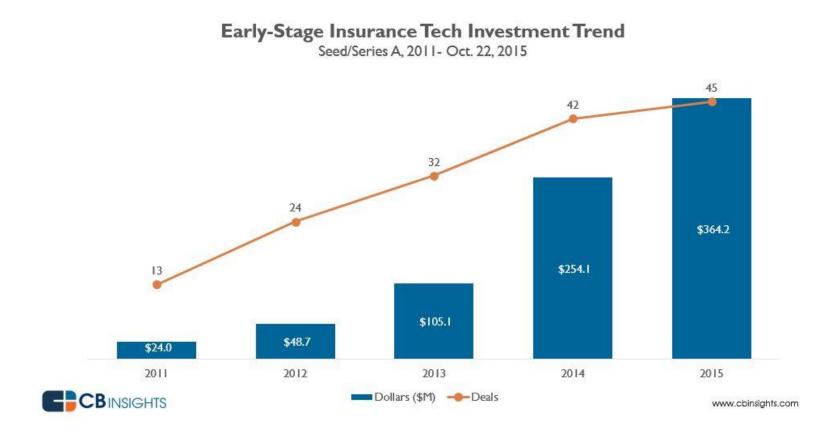
Insurance Tech Financing Deal Share

Source: https://www.cbinsights.com/blog/global-insurance-tech-funding-2015/



EARLY-STAGE INSURANCE INVESTMENTS ROAR TO NEW HIGH IN 2015

Funding to early-stage insurance tech startups (Seed/Series A) has topped over \$350M this year through Oct. 22. That's a 43% jump from all of 2014 and a 247% rise over all of 2013.

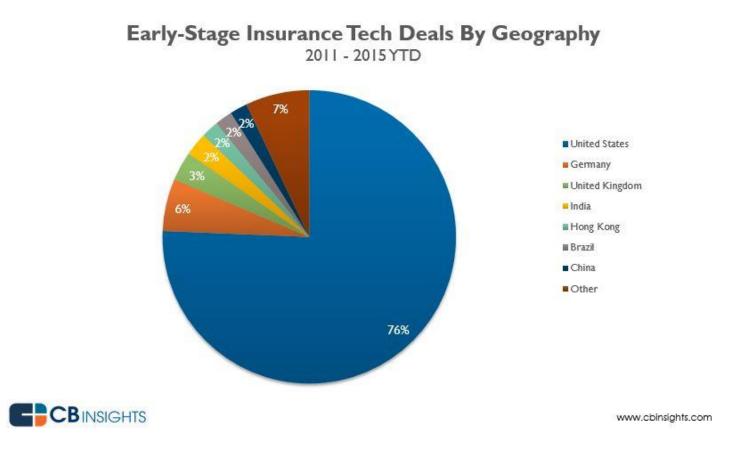


Source: https://www.cbinsights.com/blog/insurance-tech-early-stage-2015/



US TAKES 3 OF 4 EARLY-STAGE INSURANCE TECH DEALS

74% of early-stage deals to insurance tech startups since 2011 have gone to US-based startups. Germany and the UK topped all international markets for early-stage insurance tech deals over the period.



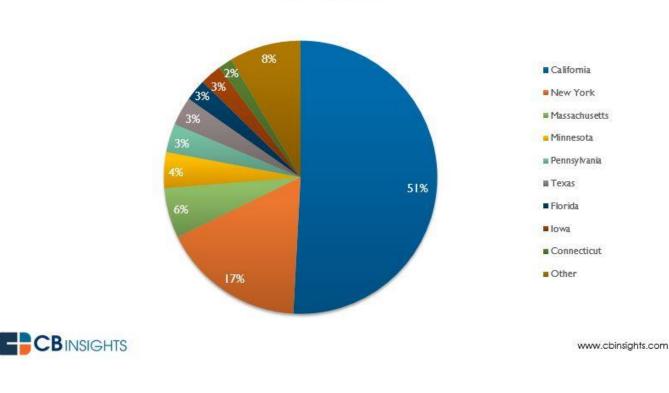
Source: https://www.cbinsights.com/blog/insurance-tech-early-stage-2015/



WITHIN US, CALIFORNIA TAKES HALF OF INSURANCE TECH ACTIVITY SINCE 2011

Followed by New York at 17%. Massachusetts rounds out the top 3 for early-stage insurance tech with 6% of deals.

Early-Stage Insurance Tech Deals By US Geography 2011 - 2015 YTD



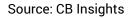
Source: https://www.cbinsights.com/blog/insurance-tech-early-stage-2015/



MOST WELL-FUNDED INSURANCE STARTUPS

Using CB Insights rankings, we identified the most well-funded insurance tech startups.

| Company | Total Funding (\$M) | Description |
|----------------------------------|------------------------|---|
| 众安保险 ZhongAn Insurance | \$931M | Chinese online insurance seller |
| | \$584M | Software-enabled health insurance broker |
| oscar | \$328M | Tech driven health insurer |
| Collective Health | \$119M | Employer-provided insurance software and plans |
| Clover | \$100M | Analytics-driven health insurance model for Medicare Advantage members |



THE PERIODIC TABLE OF INSURANCE TECH

120+ key players in the insurance tech space you need to know, including startups, VCs, corporate investors and accelerators

The Periodic Table of Insurance Tech

An overview of key private companies, investors and strategic acquirers in the Insurance Tech space

| Os Oscar Health | Zn Zenefits | | Symbol> 1 Name> | | | | | | | | | | | | | | | |
|--|--|--------------------------|-----------------------------------|---------------------------|----------------------------------|----------------------------|---------------------|---------------------------------|-------------------------|-----------------------------|-------------------------|------------------------|-----------------------|---------------------------|-------------------------|------------------------|--------------------------------|-------------------|
| Ct Collective Health Go GoHealth | Cl Clover Health Pk Pokitdok | | Healthan Auto/PS Life Insur | C Insurance | P2P Insu Small Bu Insuranc | | | Insurance insurance s | | c Investors ators/Incuba | tors | | | | | | | |
| Mx Maxwell Health | Gr Gravie | Al Alloy | Bz Bayzat | Nm Namely | Gh Grouphub.io | Cs Censio | Cf Coverfox | Iz Insurance Zebra | Си | Pg Policy Genius | Su Sureity | Bo Bought ByMany | Pc PeerCover | Fz Finanzchef24 | Qa Quan Template | Ty Tyche | On One | Kn Knip |
| Simply Insured | Ps Plan Source | EI Eligible | Nv Navera | Pw Picwell | Zh Zest Health | Ax Acculitx | Es Estity | Sn Snapsheet | Sr Sure | La Ladder Life | В М ВІМА | Gu Guevara | Is Insureon | Cw Coverwallet | An AnalyzeRe | Zp Zipari | Dy Dynamis | Ge GetSafe |
| Lm Lumity | Sh Stride Health | Hx Hixme Insurance | Sa Sherpaa Health | Jw Justworks | Hs Health Sherpa | Ds Driveway Software | Ch CoverHound | En Ensurify | Co Compara Online | Hv Haven Life | Pa Parachute Life | Uv Uvamo | Gt Gather | Fs Founder Shield | Ip InforcePRO | Pr Praedicat | Ss Simple Surance | Ck Clark |
| Ar | Hc Health | Gi Get | Ca Compare Asia | Lh Limelight Health | Ec EaseCentral | Mm Metromile | Gj Goji | Eq Everquote | Pb Policy Bazaar | Bb Bank Bazaar | Fr Friend Surance | In insPeer | Em Embroker | Fb FirstBest | Shift Technology | Mi miEdge | Tr Trov | Fx FinanceFo |

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|------------------------------|------------------------------|--------------------------------|---------------------------------------|--|---------------------------------------|--|
| | | | | | | Giobal Insurance Accelerator |
| Fo Founders Fund | Fi First Round Capital | Th Thrive Capital | Lb Lightbank | As AXA Strategic Ventures | Az Allianz Digital Ventures | Sb Startup Bootcamp |
| Ah Andreessen Horowitz | Ne NEA | F8 Formation8 | Lv LererHippeau Ventures | Ta Transamerica Ventures | Mm MassMutual Ventures | Yc Y Combinator |
| BC Bain Capital | Rr | Bg Blumberg | Fe Felicis | Ny New York | Af | As |
| Ventures | RRE Ventures | Capital | Ventures | Life | Ventures | Seed Factory |
| | | | | | Ventures Cz Commerz Ventures | Seed Factory LC L'Atelier FinTech Accelerator |
| Ventures Bv Bessemer | Ventures Ag Anthemis | Capital SV SV | Ventures Id Index | Life Cv Comcast | Cz Commerz | La L'Atelier FinTech |

To receive updates to the Periodic Table, visit:

www.cbinsights.com/blog/insurance-tech-periodic-table



Source: https://www.cbinsights.com/blog/insurance-tech-periodic-table/

THE INCUMBENT RESPONSE

How are insurance firms and tech giants reacting to the insurance tech opportunity.



"I think insurance is in the Stone Age while other people are circling Mars." – October 29, 2015

"(Insurance) is an industry that has been lagging behind every other industry – it has been paralyzed. Either you understand it and you move towards the forefront of change...or this industry will disappear." – May 27, 2015

"We don't necessarily control the direction of technology. We are definitely trying to embrace it and make sure that we can account for it and frankly benefit from it." – August 19, 2015





Mario Greco CEO, Generali Group

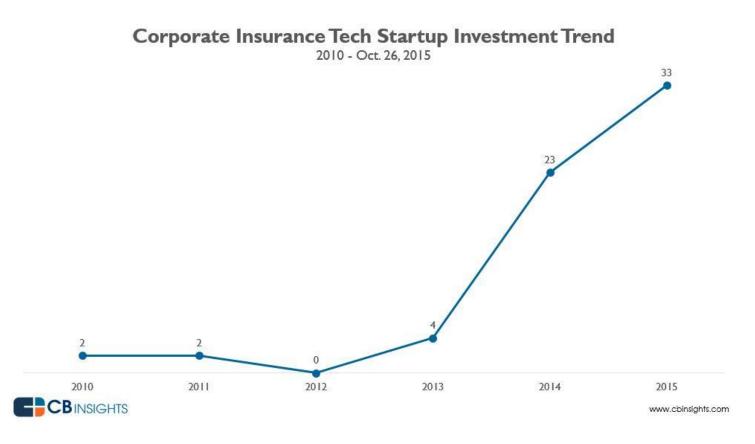


Glenn Renwick *CEO, Progressive Corp.*



CORPORATE INSURANCE DEALS TO TECH STARTUPS HIT RECORD IN 2015

Strategic tech investments by corporate insurance investors are already 43% higher than in all of 2014 and a whopping 725% rise from all of 2013.



*Includes deals by AXA Strategic Ventures, MassMutual Ventures, Ping An Ventures, TransAmerica Ventures, Northwestern Mutual Capital, American Family Ventures, New York Life, USAA, China Life, AIG, Travelers, Allianz Digital Corporate Ventures, ACE Group

Source: https://www.cbinsights.com/blog/insurance-tech-corporate-investment-record/

MORE INSURANCE PROVIDERS GETTING BUSY

From MassMutual and Transamerica to Allianz and AXA. More just getting started.

Notable Insurance Providers Investing in Startups

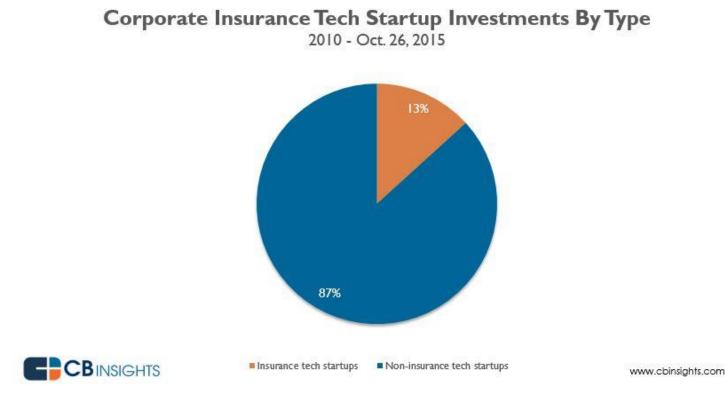






MOST STARTUP INVESTMENTS BY INSURERS NOT GOING TO INSURANCE-FOCUSED STARTUPS

Since 2010, only 13% of deals by insurance corporates went to insurance tech startups. Tech deals to startups complementing their existing business have gone to online community coordination tools (VolunteerSpot), cloud mortgage software (Roostify), and ondemand roadside assistance apps (Urgent.ly).

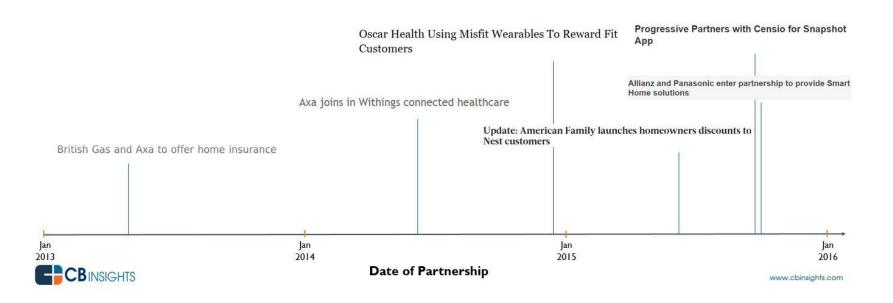


Source: https://www.cbinsights.com/blog/insurance-tech-corporate-investment-record/



INSURERS PARTNERING WITH CONNECTED HARDWARE STARTUPS

Insurers are recognizing the potential of the Internet of Things (IoT) market by partnering with emerging startups in the space.



Insurers Partnering With IoT Startups and Corporates



TODAY: MULTIPLE TECH GIANTS HAVE MOVED INTO THE INSURANCE SPACE

Global Internet Public Market Leaders = Apple / Google / Alibaba / Facebook / Amazon / Tencent...

| Rank | Company | Region | 2015 Market Value (\$B) | 2014 Revenue (\$MM |
|-------|-----------------|--------|-------------------------|--------------------|
| 1 | Apple | USA | \$764 | \$199,800 |
| 2 | Google | USA | 373 | 66,001 |
| 3 | Alibaba | China | 233 | 11,417 |
| 4 | Facebook | USA | 226 | 12,466 |
| 5 | Amazon | USA | 199 | 88,988 |
| 6 | Tencent | China | 190 | 12,727 |
| 7 | eBay | USA | 73 | 17,902 |
| 8 | Baidu | China | 72 | 7,909 |
| 9 | Priceline Group | USA | 63 | 8,442 |
| 10 | Salesforce.com | USA | 49 | 5,374 |
| 11 | JD.com | China | 48 | 18,543 |
| 12 | Yahoo! | USA | 41 | 4,618 |
| 13 | Netflix | USA | 38 | 5,505 |
| 14 | LinkedIn | USA | 25 | 2,219 |
| 15 | Twitter | USA | 24 | 1,403 |
| 16 | Yahoo! Japan | Japan | 23 | 3,441 |
| 17 | Rakuten | Japan | 23 | 4,996 |
| 18 | NetEase | China | 19 | 1,889 |
| 19 | Naver | Korea | 17 | 2,527 |
| 20 | Vipshop | China | 15 | 3,774 |
| Total | | | \$2,513 | \$479,939 |

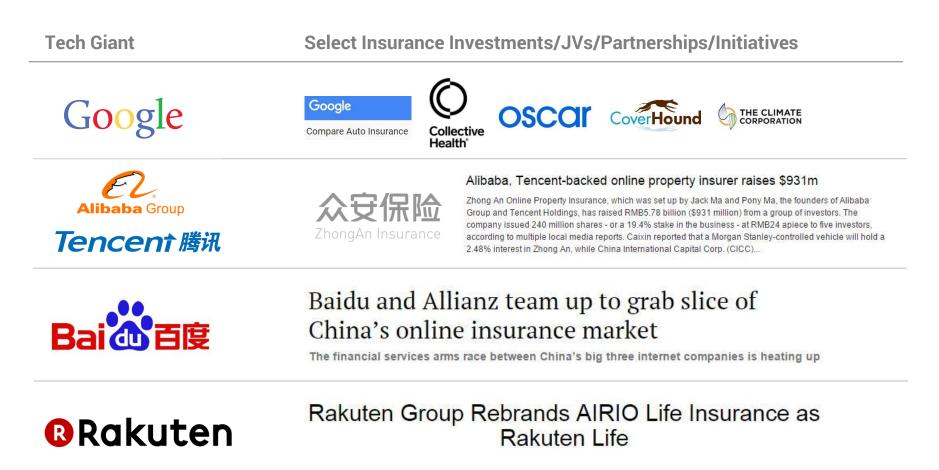
RPCB Source: CapIQ. 2015 market value data as of 5/2215. Note: Calors denote current market value relative to YY market value. Green = higher. Red = lower. Pupile = newly public within last 12 months.

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Source: https://www.cbinsights.com/blog/unicorn-startup-valuations-compared-public-companies/

TECH GIANTS MAKE MOVES IN INSURANCE

Google and BAT get busy.



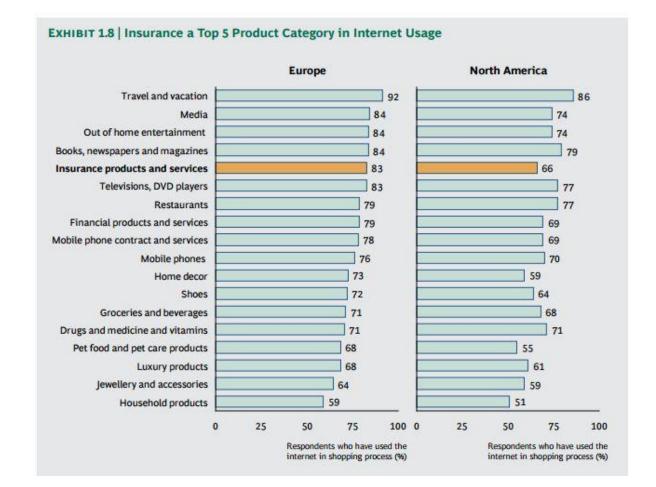


case study: Google

33

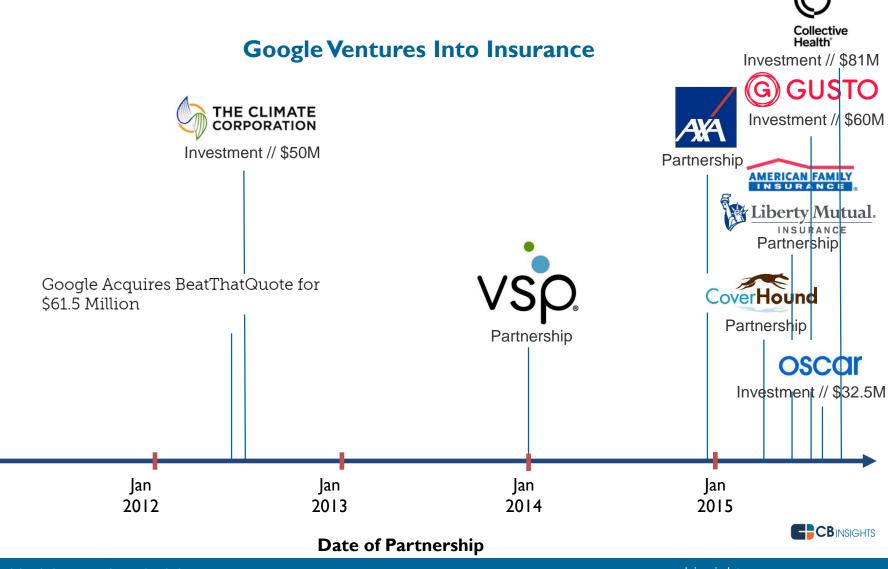
WILL GOOGLE ENTER THE INSURANCE INDUSTRY?

Google co-authors report showing insurance is a top 5 product category in Internet usage,



Source: http://www.bcgindia.com/documents/file156453.pdf

GOOGLE'S STEADY RISE OF INSURANCE TECH INVESTMENTS, PARTNERSHIPS



lan

2011

GOOGLE INSURANCE MOVES

Company

beatthatQuote.com[™]



vsp



Date

M&A // \$61.5M, Mar 2011

Investment // \$50M, June 2012

Partnership, Jan 2014

Partnership, Dec 2014

Description

Google acquired the UK insurance price comparison site for \$61.5M.

Google Ventures participated in a \$50M round to <u>Climate Corp</u>, which provides an automated crop insurance program for farmers based on actual versus expected weather data. Climate Corp was acquired by Monsanto in 2013 for \$1B.

Google partnered with Vision Service Plan to provide its users with subsidized, prescription pairs of Google Glass. Google stopped selling the then-current version of Glass in November 2014.

Google's Niantic Labs partnered with insurance firm AXA to integrate the brand into Ingress, Google's interactive "real world" mobile game.



GOOGLE INSURANCE MOVES

Company



Compare Auto Insurance



GGUSTO

oscar



Date

Partnership/ Product, March 2015

Partnership, June 2015

Investment // \$60M, Sep 2015

Investment // \$32.5M, Sep 2015

Investment // \$32.5M, Sep 2015

Description

Google launched its Google Compare auto insurance-comparison engine in March with partners including <u>CoverHound</u> and Compare.com. Compare provides a simple form for users to compare auto insurance quotes from 21 providers for free and just launched in IL.

Google's Nest partnered with AmFam and Liberty Mutual to help offset costs of a Nest Protect smoke detector.

Google Capital's \$60M investment in <u>Gusto</u> came five months prior to the company's move into brokering health benefits.

Google's growth equity fund Google Capital made a \$32.5M investment into New York-based health insurer <u>Oscar</u> <u>Health</u> at a \$1.75B valuation.

<u>Collective Health</u> provides an employersponsored health insurance platform. GV led a \$81M funding round as Collective Health looks to expand nationwide beyond California in 2016.



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INDUSTRY PERSPECTIVES ON GOOGLE'S ENTRANCE MIXED – BUT FOCUS ON ACTIONS

"The same customers who chose Geico will really be interested in Google. But most of the customers who chose you, they're not going to be sold...(Google's competitive advantage can't be denied) "because they invested this enormous sum of money in actively building a ruleroad map of America."

> - William R. Berkley, W.R. Berkley Corp., February 2015

"I think most agents aren't overly concerned because this isn't anything new. What Google is doing has been done for at least 10 and maybe closer to 20 years now."

- Bill Wilson, Independent Insurance Agents & Brokers of America, May 2015

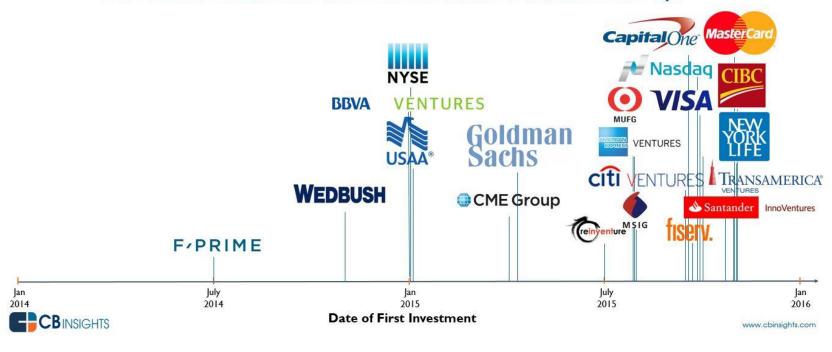


WHAT'S NEXT IN INSURANCE TECH?



INSURERS KEEPING CLOSER EYE ON BLOCKCHAIN APPLICATIONS

Lloyd's highlighted the potential of blockchain in insurance as part of its modernization plan earlier this month. Transamerica, New York Life and MSIG have all invested in a bitcoin or blockchain-related startup.



The March of Financial Services Firms into Bitcoin & Blockchain Startups

Everledger Is Using Blockchain To Combat Fraud, Starting With Diamonds

Source: https://www.cbinsights.com/blog/financial-services-corporate-blockchain-investments/



ON-DEMAND INSURANCE

Enabled by smartphones and on-demand, rather than annual coverage.



Baidu and Allianz team up to grab slice of China's online insurance market

The financial services arms race between China's big three internet companies is heating up

"The new Internet insurance company will meet the growing demand for diversified, customized, and scenario-based insurance products.

Scenario-based insurance consists of small, situational protection offered for highfrequency location-based or internet transactions such as OTA purchases, O2O services such as dining or tickets, ecommerce and other transactions."







Car insurance start-up Cuvva hits the road

"Consumer expectations are that we should be able to get what we want, when we want and all from our personal devices; why should car insurance be any different?"





MORE STARTUPS WITH VALUABLE DATA FIND INSURANCE APPLICATIONS





Beam's smart toothbrush a prelude to insurance biz



THE FULL-STACK INSURANCE STARTUP?



Source: https://twitter.com/AXALab/status/667388746686267392

QUESTIONS, GETTING UNDERLYING DATA & HELPFUL LINKS



HAVE QUESTIONS / WANT ACCESS TO THE UNDERLYING DATA?

The underlying financing, acquisition, etc data in this presentation is available on CB Insights.

Our Customer Success Team

Reach out to your manager. If unsure, email myself or Jonathan McKenna

jmckenna@cbinsights.com

anand.sanwal@cbinsights.com

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Set up a free trial account



INVESTOR / ACQUIRER PROFILES

 Investor/Acquirer
 Profile Link

 khosla ventures
 Khosla Ventures Investor Profile

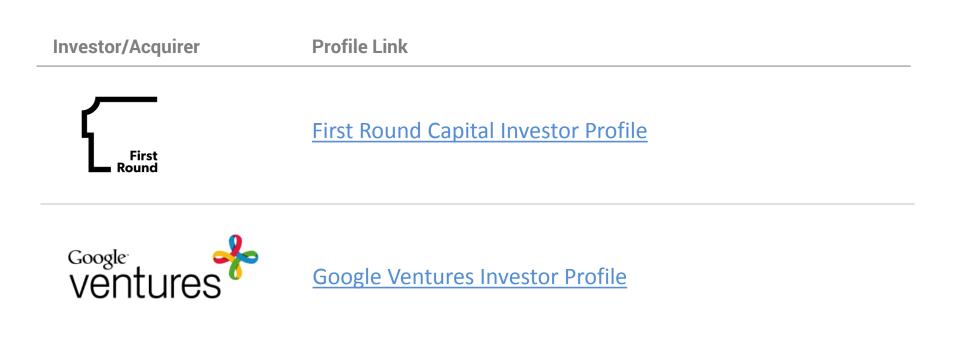
 Ribbit Capital
 Ribbit Capital Investor Profile

ANDREESSEN Horowitz

Andreessen Horowitz Investor Profile



INVESTOR / ACQUIRER PROFILES



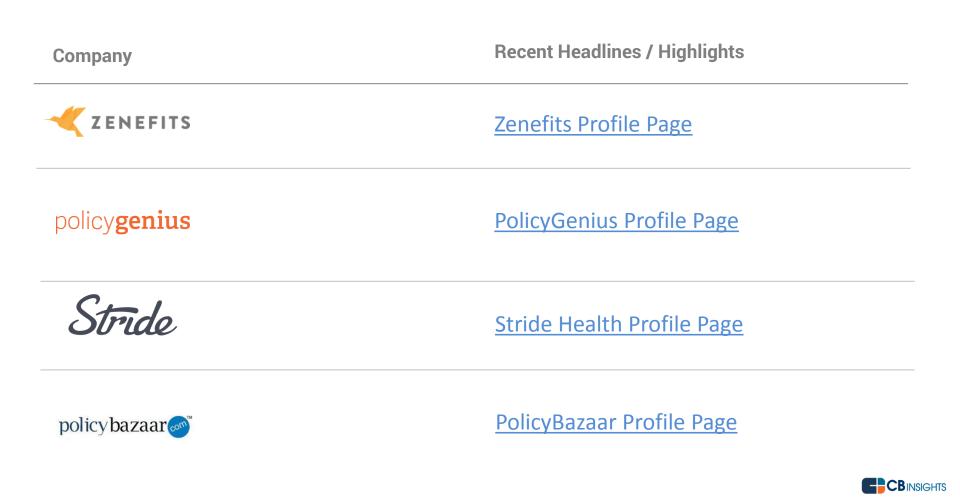


COMPANY PROFILES

| Company | Company profile page |
|------------|-----------------------------------|
| oscar | Oscar Health Profile Page |
| Clover | <u>Clover Health Profile Page</u> |
| CoverHound | CoverHound Profile Page |
| metromile | Metromile Profile Page |



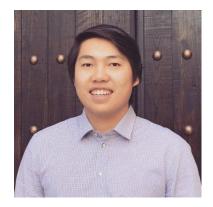
COMPANY PROFILES



About Our Presenter – Matthew Wong



- Research Analyst, CB Insights. Managing Insurance Tech Insights vertical and newsletter.
- Published research and data analysis have been featured in The New York Times, Wall Street Journal, Financial Times, Bloomberg among other major media outlets.
- TV appearances on <u>Al-Jazeera</u>, <u>Bloomberg TV</u>, and <u>BNN</u>.
- Graduate of Northwestern University with B.S., magna cum laude.





INTRODUCING INSURANCE TECH INSIGHTS

Insurance Tech Insights is the first and only data-driven research publication focused on the emerging insurance tech industry.



<u>cbi.vc/insurance-tech</u>





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