



Paving the way for Apple Watch

- The Seiko TV Watch!
- The TV-Watch by HATTORI SEIKO CO., LTD (founded way back in 1881)

 Presented to the public in Tokyo in the summer of 1982
- Some hundred million yen were invested into its development
 Roger Moore wore one of these in the Bond film Octopussy in 1987



The Apple Watch – things have moved on! Tim Cook on Apple Watch: 'Sitting is the new cancer'

Apple's betweening mant-each, the Apple Watch, will give senses bordly reminders
to be more settle, exceeding to COO' Tim Cook

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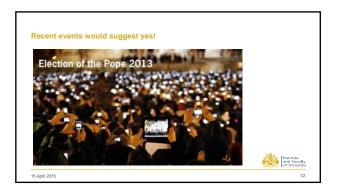
- Apple Watch £47 to £949
- Apple Watch \$50pt £299 to £339
- Apple Watch \$50pt £299 to £339
- Apple Watch \$50pt £299 to £339
- Apple Watch £dition £8,000+
All three feature a custom heart rate sensor on the rear, using infrared and visible-light £Dis and photocidices to detect heart rate alongside an accelerometer
- Provides a "comprehensive picture of your daily activity, suggest customised goals, and reward you for reaching personal finesis milestones."

Expected that Apple will sell between 10 and 30 million devices within weeks of its releases, and a second of the second second











Are wearables the future of underwriting? Life insurance discounts 4 per cent of people in the UK think they should pay less for tifle insurance if they can show they don't smooth. 4 per cent feet their life insurance premiums should be lowered for not drinking. 4 per cent feet they should get chapper life insurance if they show they are reservising regularly. 4 per cent feet they should be rewarded with life insurance discounts for eating healthfully. 5 aper cent - think good drivers should also pay less for their life insurance as well as their car insurance. 21 per cent of those surveyed said life insurance premiums should be lowered for successfully managing their stress levets. Source: Confused.com May 2013

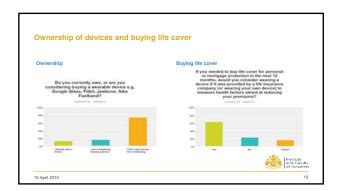
Impact on rates Its clearly early days with wearable tech so it's impossible to know what will / won't be measurable in the future But even if we just assess activity, we can see tangible benefits immediately e.g. using NHanes (US) longitudinal data, we can see that Relative Risk of — someone who admits to regularly walking for 1 mile without stopping 69% RR — someone who admits to not regularly walking for 1 mile without stopping 105% RR Of course the 105% would include people who would clearly fail underwriting / have very high BMI etc. so the impact on an insured block is less We would want to analyse in far more detail before using - but for now if we assume half the impact on insured experience then we could see a 15% impact from those with better activity

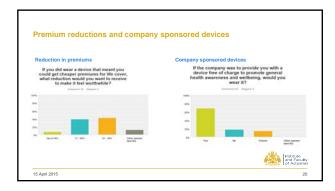
What do potential customers think? We surveyed a group of people across different disciplines/skills within the reinsurance and direct office market Nine short survey questions covering: - Sax - Age -

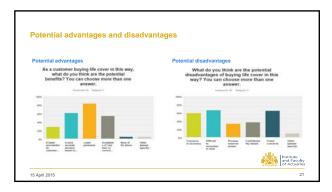
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Survey results - general comments

- "If I was given a device I would wear it in the short term to determine if I liked it. If I didn't like it then I would not wear beyond the short term. My decisions around wearable tech would never be driven by insurance costs unless it was completely unobtrusive and generated significant savings."
- "It may temporarily kick start people into a healthy living regime. Keeping them at that level or keeping them using the device may be more challenging therefore it would be important to consider how long you would monitor the data for."

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Survey results – general comments

- "So long as the insurance company couldn't contact me via the device (i.e. email) I would wear it. I do have the
 feeling of being 'technologically locked' and less of a human by wearing it though."
- "Main concern would be device being linked to smartphone and what data that could provide insurers with."
- "Wearables have a long way to go before becoming suitable for buying insurance. The people who could benefit most are unlikely to wear them, i.e. older age groups."
- "I consider these to be intrusive and there is no protection sufficient to cover sensitive personal data of this nature."
- "Would worry if it recorded alcohol consumption."

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Key messages

- Four key messages from this survey

 The majority of people do not own or are not considering buying a device

 Those who own or are prepared to buy are the predominantly younger lives, who are arguably striving for greater fitness.
- A large proportion (60%) would wear one if a company was prepared to pay, in order to buy life cover
- The expected/preferred premium reductions are fairly broad from 10 50%

What can we infer from these outcomes?

- vnat can we inter from these outcomes?

 People remain sceptical about the technology and assthetics around these devices

 The younger lives may well be inclined to own or buy anyway and insurance is not a primary driver in purchasing decisions
- Individuals seem prepared to 'give the technology a go' if someone else is going to pay
 Reflects different price attitudes at different ages, i.e. the older lives want cheaper cover



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Conclusions

- Drawing any firm conclusion is difficult!

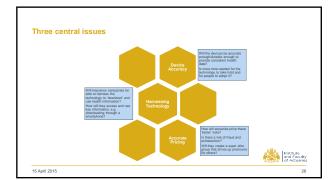
 But the growth in Wearable Tech means that it is here to stay and it will have implications for the way we do business. The reasons for buying or wearing devices have little to do with planning around buying cheaper life insurance, and more to do with a drive for greater health awareness and wellbeing.

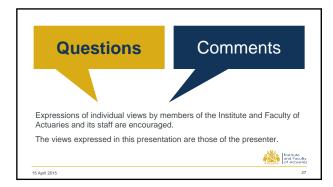
 If a relatively well informed group of individuals (working in the life industry) have some concerns, how can we expect the general insurance buying public to view this?

 There are often negative perceptions of the industry by the insurance buying public, so it will take time for trust to build, especially when there are concerns over accuracy, data privacy and pricing

 But it will most certainly have to be considered as a way of accessing real time' health information and consumers will ultimately drive the market

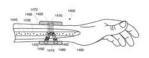






A window to the future?

- "Is Google working on a cure for cancer?" Source Daily Telegraph 17th March 2015
- Google have filed a patent application with the World Intellectual Property Organization (WIPO)
- Nanoparticle Phoresis describes a wearable device that can automatically modify or destroy one or more targets in the blood that have an adverse effect on health
- Could target cancer cells by selectively targeting and modifying/destroying them so that spread is diminished
- October 2014 Google X said to be developing a pill that could detect cancer





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A final word

- The industry has tended to focus on increasing protection sales, speeding up the customer journey, and innovative ways of assessing risk through automated underwriting or predictive underwriting.
 Claims has historically not always been considered when it comes to discussions about innovation and technology
 To succeed in the new technology age, Claims must be considered by offices who want to compete and improve the customer journey; this includes looking at Wearable Tech
 Given the advances in Wearables in the medical sector, in the future will health information from devices be capable of being uploaded from wearables to benefit claims management?

 Diagnostic lests such as tumour marters and Nords could be made available for commanies to admit Claims or

- Diagnostic tests such as tumour markers and bloods could be made available for companies to admit CI claims or manage long term chronic conditions for IP

