

# **Group Results Overview**

New business

+15%

to R 8 245m

+3% incl. DH take-on of new closed schemes to R8 732m

Operating profit

+13%

to R 3 412m

Headline earnings

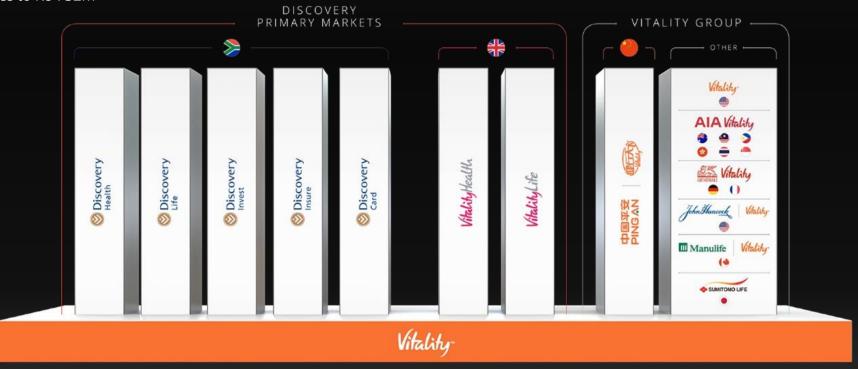
+14%

to R 2 023m

Normalised headline earnings

+3%

to R 2 184m



#### **Operating Model**

#### Why & How

Make people healthier and enhance and protect their lives





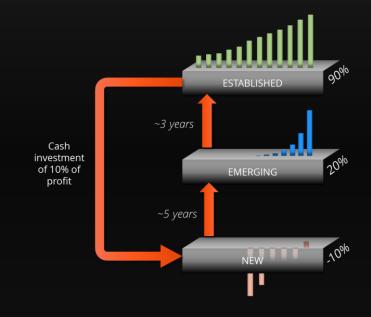




# Vitality Shared-Value Insurance Model

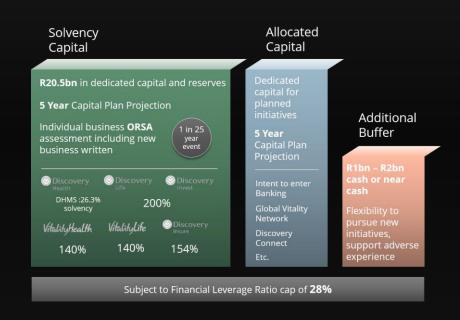


#### **Growth Methodology**

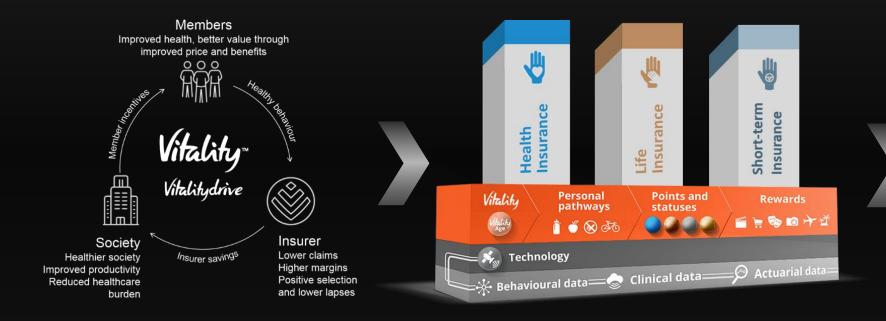


Target group profit growth of CPI + 10%

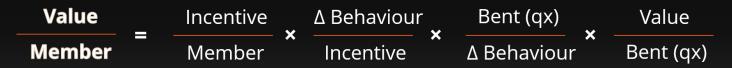
#### Capital Philosophy



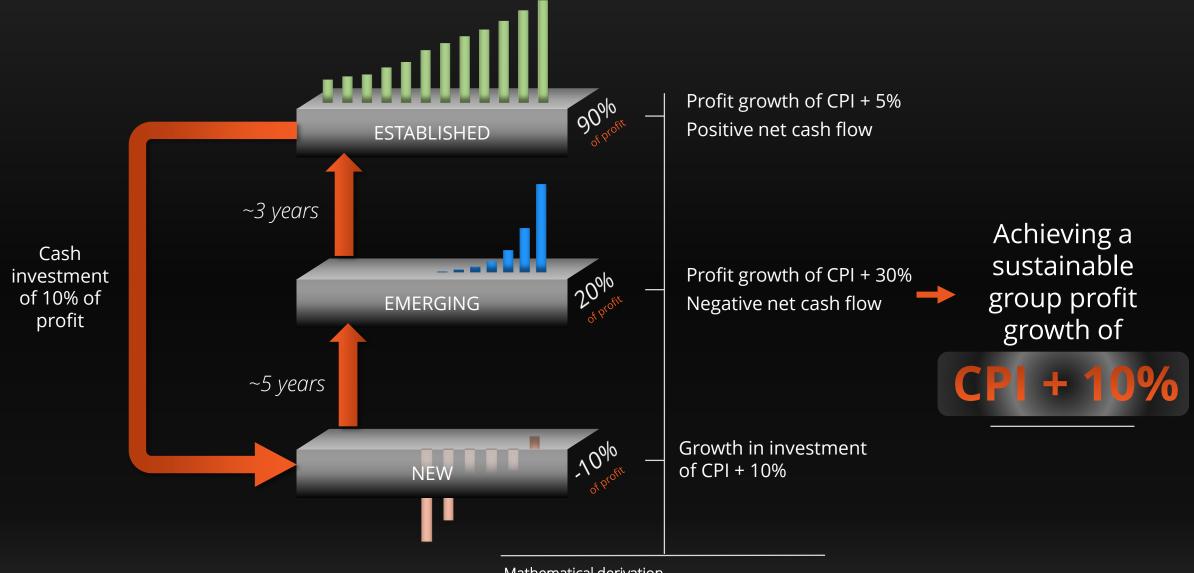
#### Consequence of the Vitality Shared-Value Insurance Model



- Competitive advantage
- ✓ Initial selection
- ✓ Selective lapsation
- ✓ Behaviour change
- Bent lapse and claims experience
- ✓ Healthier society



## **Growth Methodology**

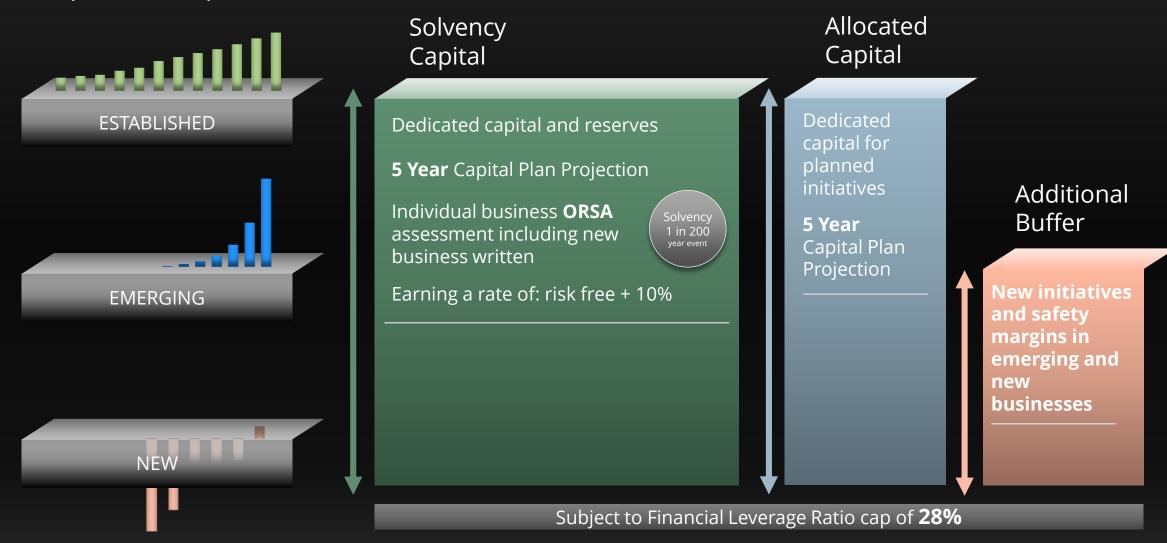


Mathematical derivation

CPI + 10% = X(CPI + 5%) + Y(CPI + 30%) + Z(CPI + 10%)X + Y + Z = 1; Z < 0

#### Discovery Capital Allocation Philosophy

Three pillars of capital



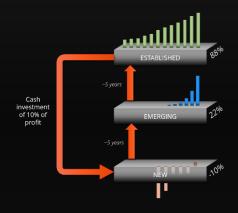
# Combination of the Model and Growth Methodology gives us confidence in our 2018 Ambition

#### Why & How



- ✓ Competitive advantage
- ✓ Initial selection
- ✓ Selective lapsation
- ✓ Behaviour change
- ✓ Bent lapse and claims experience
- ✓ Healthier society

#### **Growth Engine**



Achieving a sustainable group profit growth of

**CPI + 10%** 

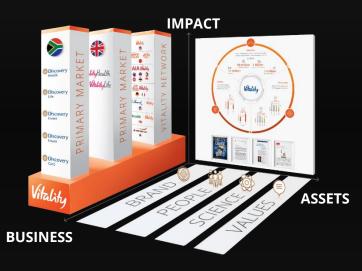
#### Capital Philosophy



Separation of Solvency Capital, new initiatives and buffer for unplanned events

Risk free + 10%

#### Ambition 2018



Be the best insurer in the world and a powerful force for social good by 2018

# Financial Results and Performance

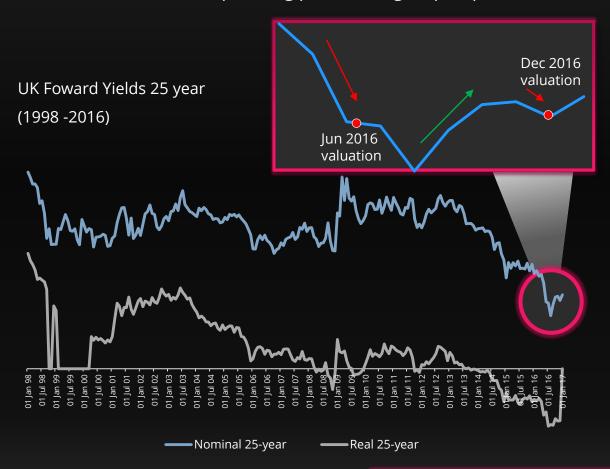
		New business	Operating profit	(1) Strong operational performance; (2) Continued investment in new initiatives (7% of earnings); (3) Demonstrable success of
		+15%	+13%	growth methodology (DI and PAH profitable on run-rate basis) and Shared-Value Insurance Model
Establish and		New business	Operating profit	
Established businesses	<b>Oiscovery</b> Health	+20%	+12%	DH: Integrated system delivering strong growth and containment of healthcare inflation; 18 Schemes under management; 3.3m lives in total; DHMS: 2.74m members at year-end; Robust operating surplus; Solvency > 25%
Dusillesses	<b>Oiscovery</b> Life	+9%	+13%	Product innovation supporting a 20% increase in VNB; Focus on business quality; Exceptional engagement levels; Actuarial dynamics within expectation; Well capitalised
	Discovery     Invest	+9%	+21%	AuM growth of 14% (R64 bn); Increased innovation in the retirement space; Maintaining a position in the Top 6 Retail Asset Takers
	VitalityHealth	-14%	+53%	Excellent actuarial dynamics; Record sales in Individual market; Strong cash generation from existing book; September 2016 product launch as further investment in business model
	VitalityLife	-10%	-25%	Robust operational performance drowned by Brexit impact. Strong remedial actions taken
	S Discovery	+6%*	+22%	Strong performance with a 22% increase in profit from the Card JV and a 6% increase in sales
	Cara	+9%	+11%	
Emerging		New business	Operating profit	
businesses	S Discovery  Insure	+23%	+57%	Profitable on a run-rate basis; >160,000 cars; Claims frequency 10% lower than at inception; Combined ratio improvement; Fintech innovation via Crowdsearch
	中国平安 PING AN	+55%	+88%	RMB 2bn premium income for the year; Profitable equity stake; Aggressive growth targets and investment in PMI from PAG
	Vitality GROUP	+24%**	-12%	Global franchise; 12 active markets; Vitality penetration high and increasing; Vitality Active launch in 5 new markets
		+43%	+42%	
Nlavy		Investment		
New	Intent to enter	70/	2601	Authorisation received from the Registrar of Banks to establish banking presence
initiatives	banking Global Vitality Network	<b>7%</b> of earnings	-36%	Centralised global platform delivering data segmentation and proprietary insurance constructs; Global programme updates and new partners in pipeline
	UK Invest Initiative			Launch of long-term investment products in the UK market towards end of 2017

<sup>\*6%</sup> increase in Card sales not included in 9% new business API growth for established businesses \*\*New business figure includes fees earned from Vitality Group partners

# UK business performance impacted by interest and exchange rate headwinds

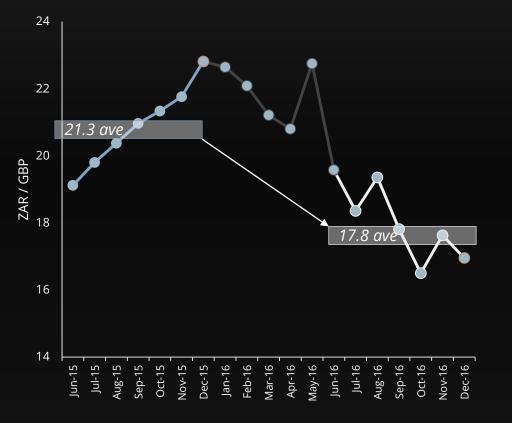
#### Record low interest rates, negative real rates

**22%** decrease in VL operating profit, **2%** group impact

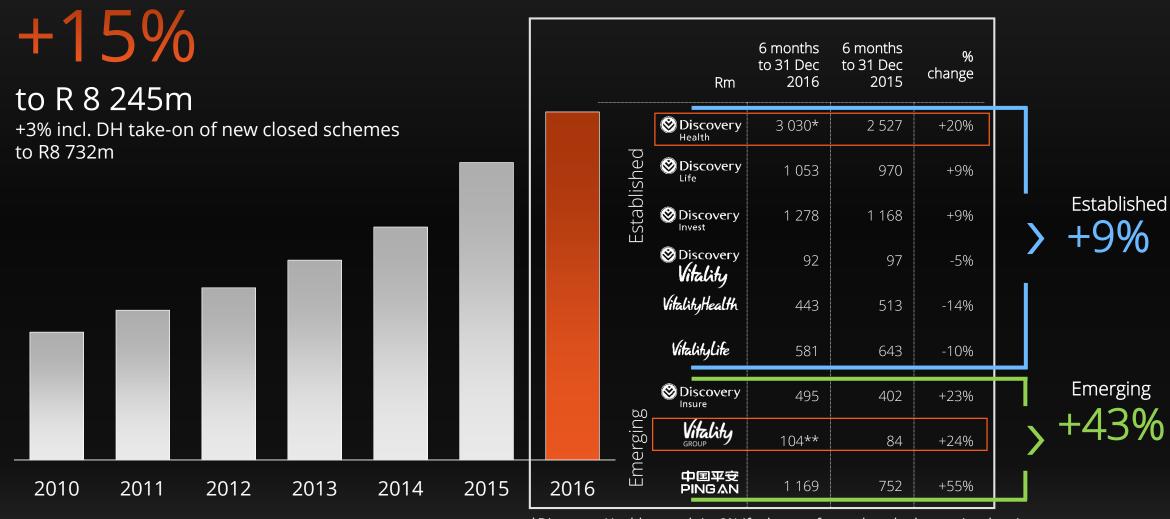


#### Strengthening ZAR to GBP

**16%** decrease in UK operating profit, **2%** group impact



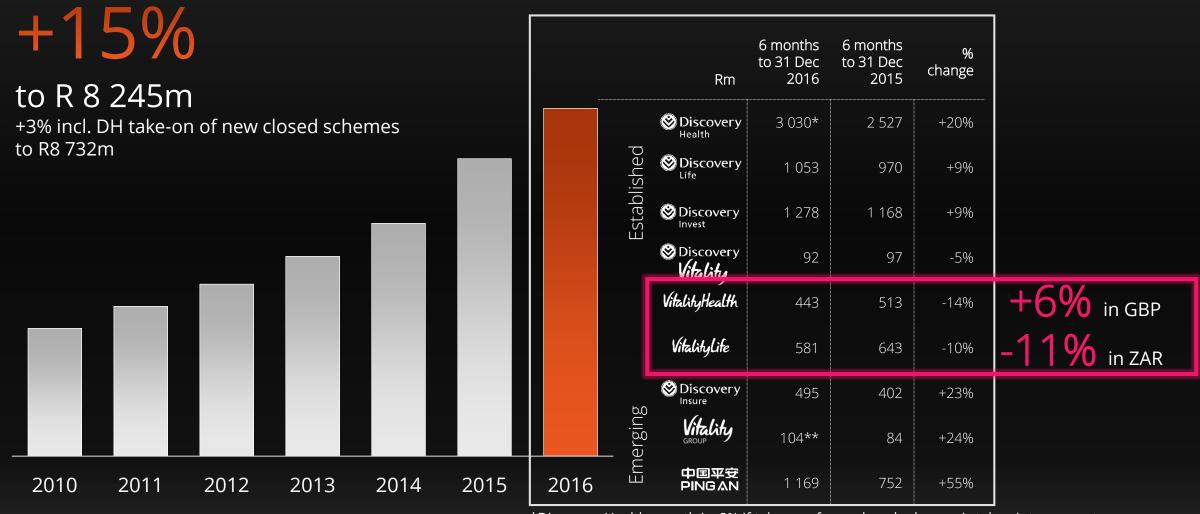
# Strong new business growth



<sup>\*</sup>Discovery Health growth is -8% if take-on of new closed schemes is taken into account

<sup>\*\*</sup>figure includes fees earned from Vitality Group partners

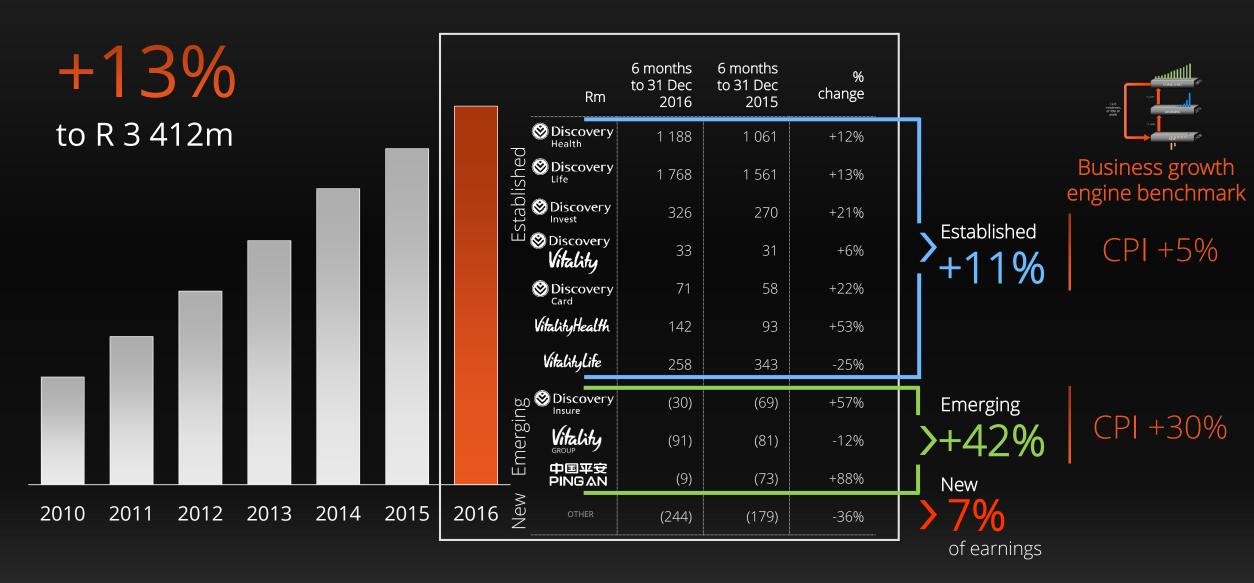
# New business growth in the UK market impacted by exchange rate headwinds



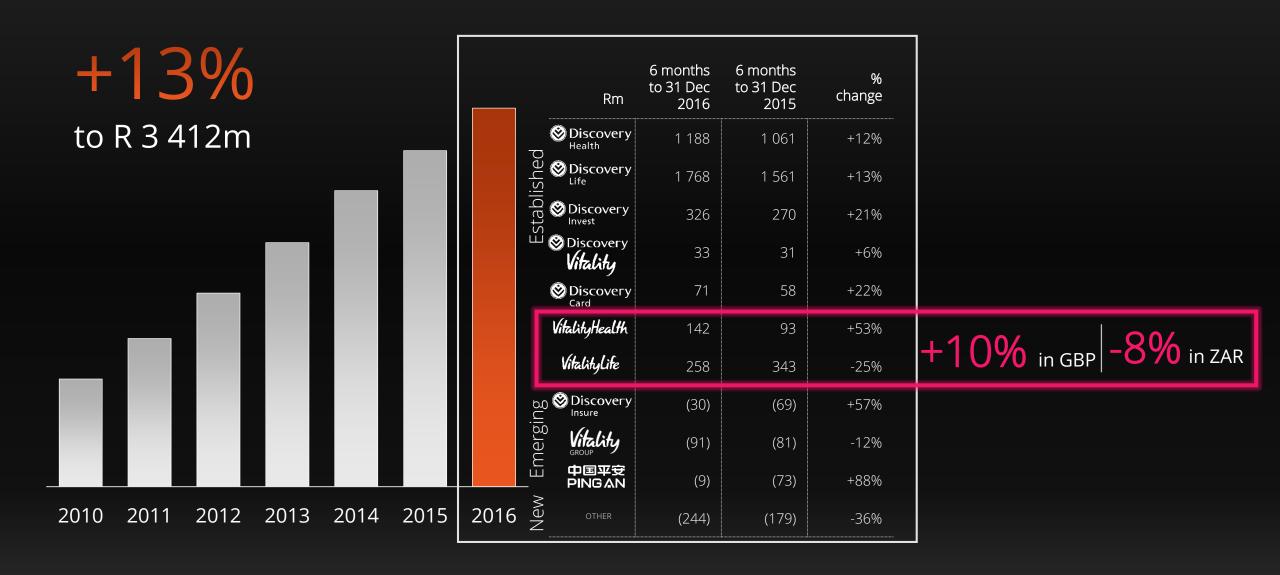
<sup>\*</sup>Discovery Health growth is -8% if take-on of new closed schemes is taken into account

<sup>\*\*</sup>figure includes fees earned from Vitality Group partners

# Robust normalised operating profit growth

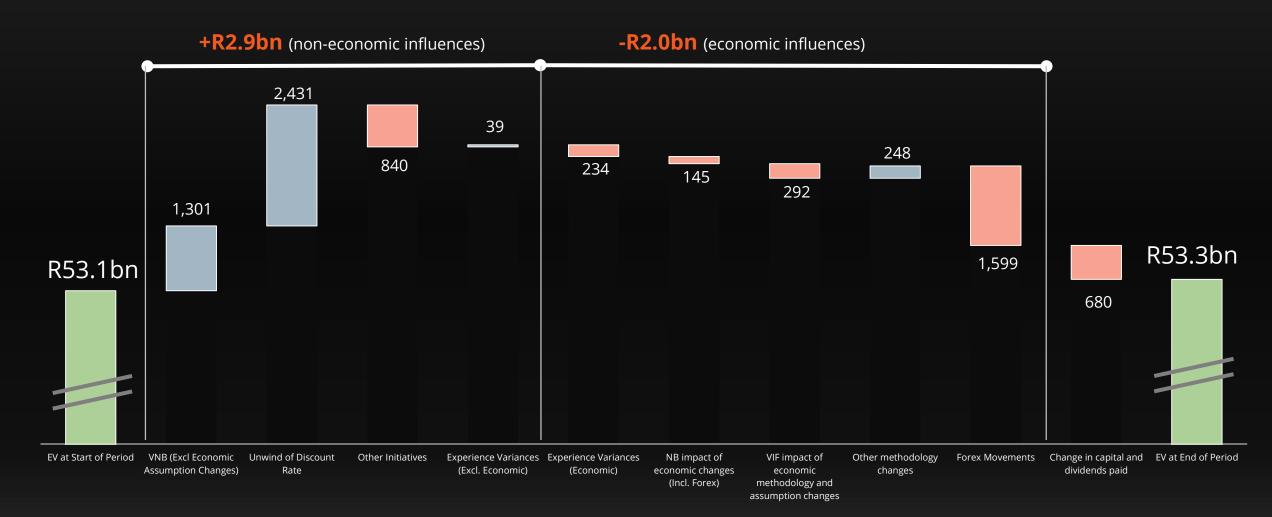


# Operating profit growth impacted by performance of the UK market



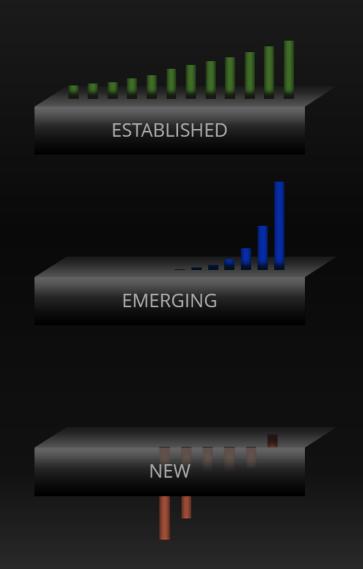
## Group Embedded Value to R53.3bn dampened by economic headwinds

+0.4%



## Discovery Capital Allocation Philosophy

Three pillars of capital



Solvency Capital Allocated Capital

R6.3bn in dedicated capital **5 Year** Capital Plan Projection Individual business **ORSA** assessment including new 1 in 200 year event business written O Discovery O Discovery 💟 Discovery 200% VitalityLife 🚫 Discovery VitalityHealth 140% 154% 140%

Dedicated capital for planned initiatives

**5 Year** Capital Plan Projection

Intent to enter Banking

Global Vitality Network

Discovery Connect

Etc.

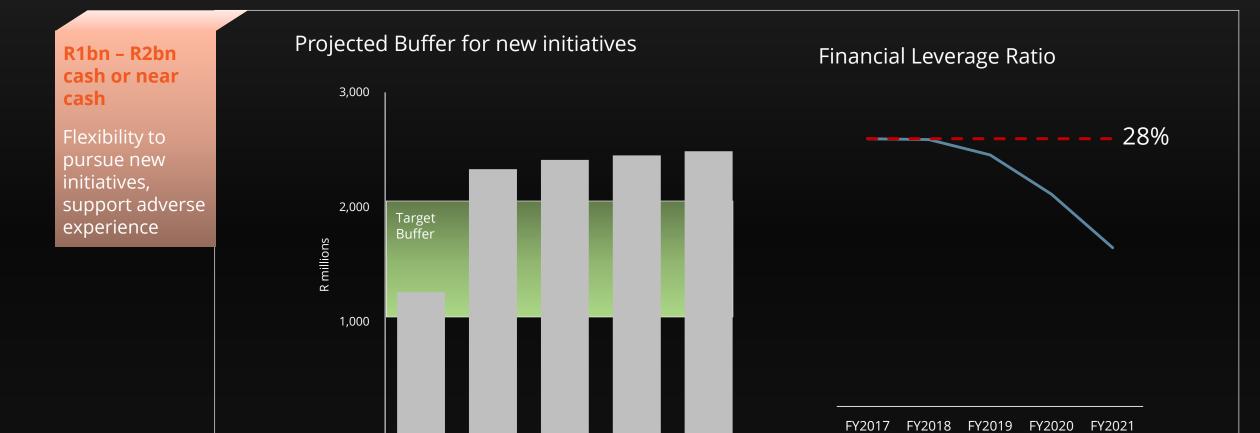
Additional Buffer

R1bn – R2bn cash or near cash

Flexibility to pursue new initiatives, support adverse experience

Subject to Financial Leverage Ratio cap of **28%** 

#### Additional Buffer



FY2020

FY2021

— FLR

Benchmark FLR

FY2017

FY2018

FY2019

## Normalised Headline Earnings distorted in short-term

Reconciliation of Normalised Profit from Operations to Normalised Headline Earnings

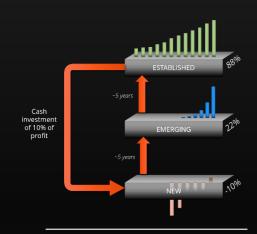
R million	H1 2017	H2 2016	Impact on normalised profit from operations	Factors that will ameliorate by financial year end	
Normalised Profit from Operations	3,412	3,015	13%	High interest earned on rights issue	
Preference share dividends	(42)	(37)	0%	cash balance in previous year before investment	
Investment income due to equity holders	62	163	-4%	investinent	
Finance charges	(210)	(97)	-3%		
Foreign exchange (losses)/gains	(17)	25	-1%		
Taxation	(1,021)	(945)	-1%	Finance cost from writing UK Life business on own licence	
Normalised Headline Earnings	2,184	2,124	3%	Timing differences in Discovery	
Diluted Normalised Headline Earnings Per Share	338.6с	331.9c	+2%	Card profit and interest payments	

Dividend declaration of 88c per share (+3%) in line with company dividend policy

# Tracking performance against Operating Model

Why & How

Growth Methodology



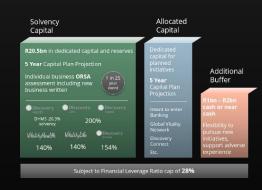
Achieving a sustainable group profit growth of

**CPI + 10%** 



- ✓ Better than expected performance in established businesses (dampened by the impact of Brexit)
- ✓ Delayed profitability in emerging businesses

Capital Philosophy





Ambition 2018



Separation of Solvency Capital, new initiatives and buffer for unplanned events

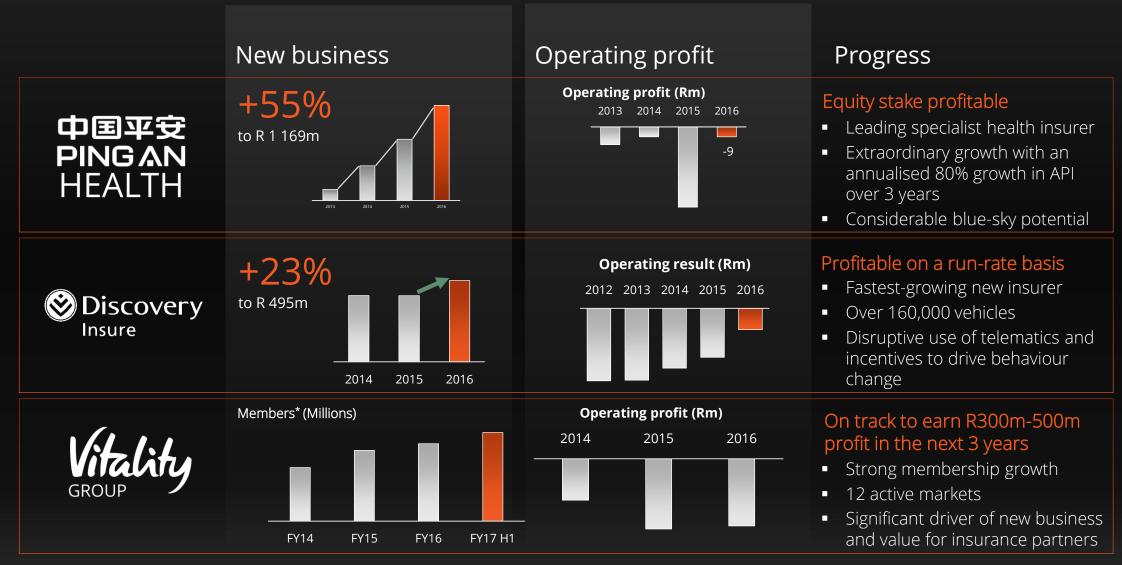
Risk free + 10%



- ✓ Robust solvency cover for regulated entities
- Adequate and increasing buffer maintained

# Emerging Businesses

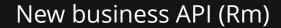
# Several new initiatives moving to emerging businesses, demonstrating the success of the growth engine

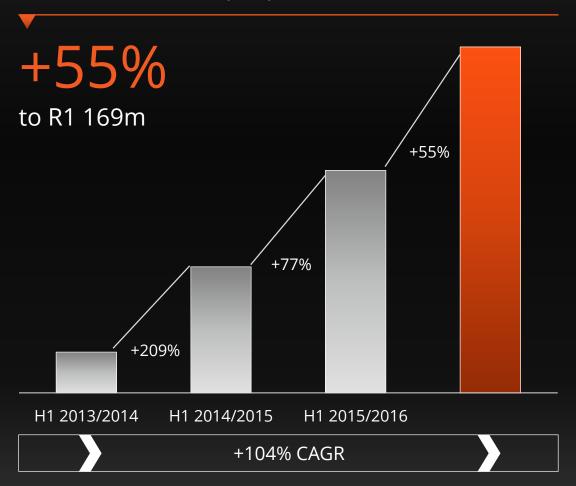


<sup>\*</sup> Includes members on standalone Vitality Active Rewards programme

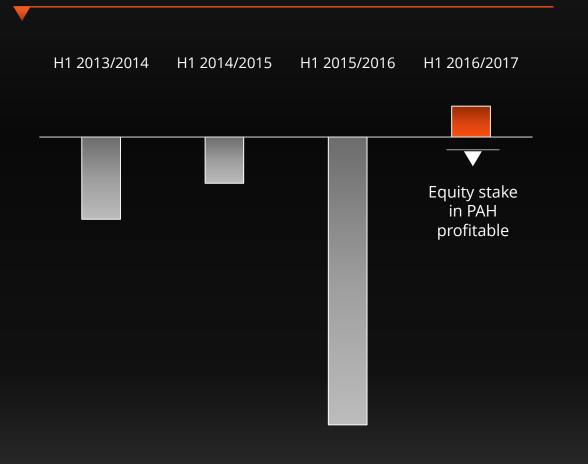
# 中国平安 PINGAN HEALTH

#### 中国平安 PING &N HEALTH





#### Operating result of equity stake (Rm)



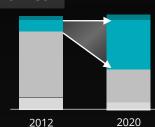
# Private health insurance in China expected to be a RMB1 trillion industry by 2020

#### Trends impacting demand



#### 2. Rise of mass affluent market

**51%** of population mass affluent by 2020



#### 3. Increasing disease prevalence

#### From 1990 to 2015:

All NCDs +21%
Heart Disease +32%

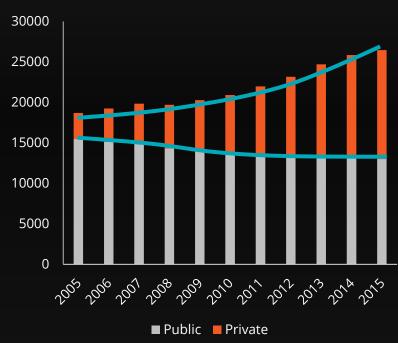
Cancer +39%

Highest prevalence of diabetes
Diabetes +71% globally

4. 50% average co-pay on hospitalisation

#### Government and industry support

Number of private hospitals exceeds public hospitals

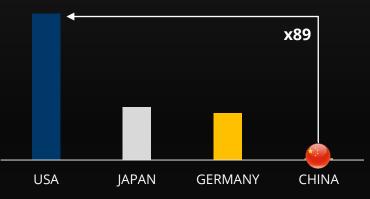


Specific government policies in place to support (1)

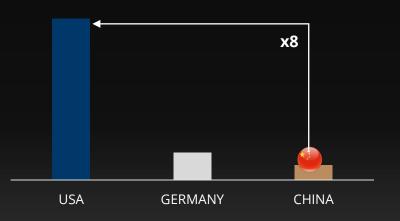
Hospital co-operation with insurers; (2) Tax incentives; and (3) Value chain integration

#### Market is in its infancy

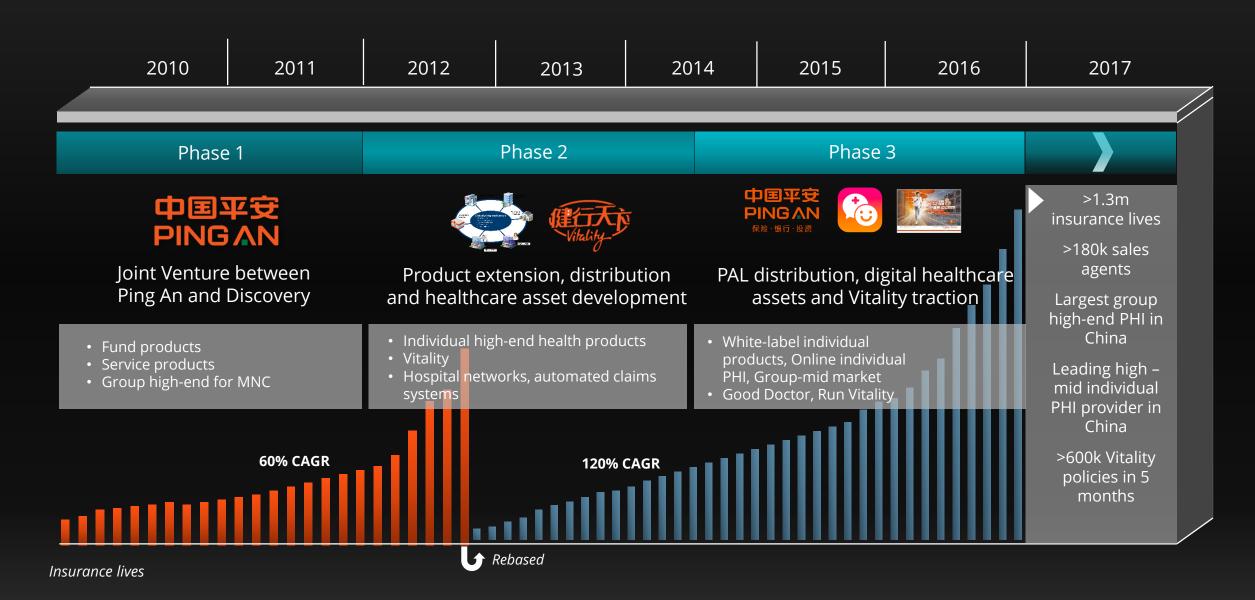
PHI premiums per Capita



PHI coverage of population



# Three phases in the evolution of Ping An Health



#### Ping An Group healthcare ecosystem

Wanjia Clinics Company

Ping An Good Doctor

Ping An Health

SHI Company

Health Cloud Company



> 10 000

Company set up to consolidate and develop the primary care clinics in China



80m

Largest global e-health finance deal (\$500m) in 2016 80 million users



#1

Largest, leading Group highend and individual PHI provider in China



220

SHI management company set up to administer SHI for over 220 cities in China



>\$30mn

Investment in Health records and health data aggregation

1m Ping An Life Agents 20k Ping An P&C Agents Ping An Annuity Agents

Ping An Bank

Lufax

Ping AN Puhui

Distribution Channels

# Ping An Health performance



#### Leading PHI writer in China

Group High End

**Group Mid Market** 

Individual Health Insurance

> 1m RMB API in online sales a day



#### Sophisticated infrastructure

Risk management

**Provider Networks** 

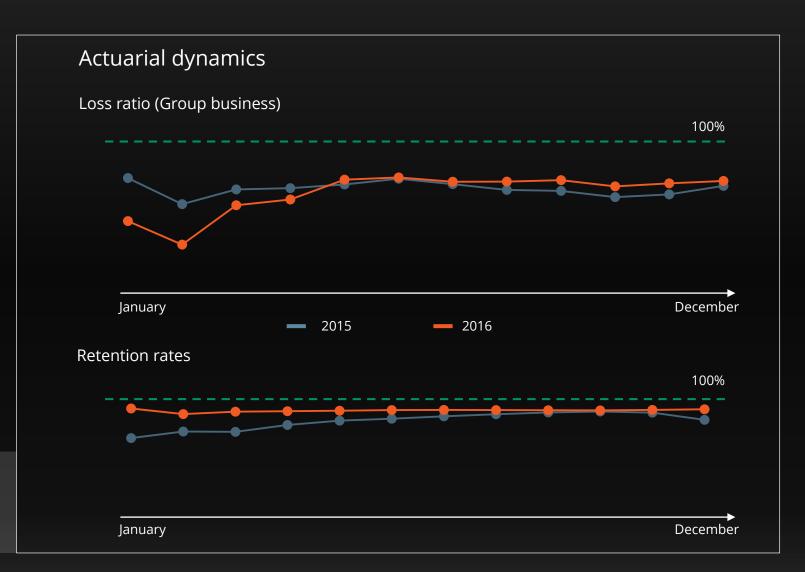
Automated claims

Run Vitality



#### Quality fundamentals





# Ping An Health is gearing up for strong growth

#### Growth strategy for PAH



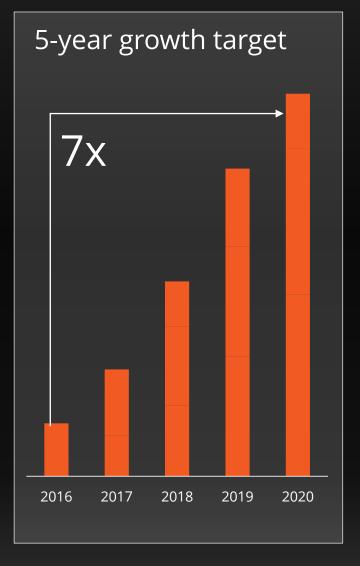
Expand distribution footprint

180k to 1m agent potential



Broadening online sales capability

Current run rate ofRMB 1m a day withmassive upside



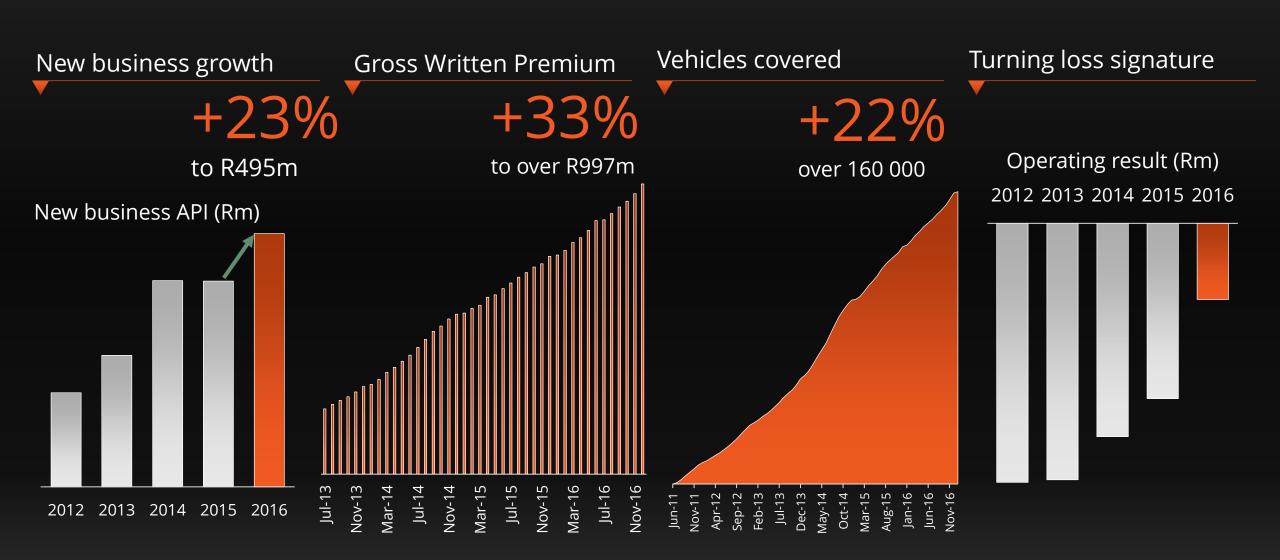


#### Support required

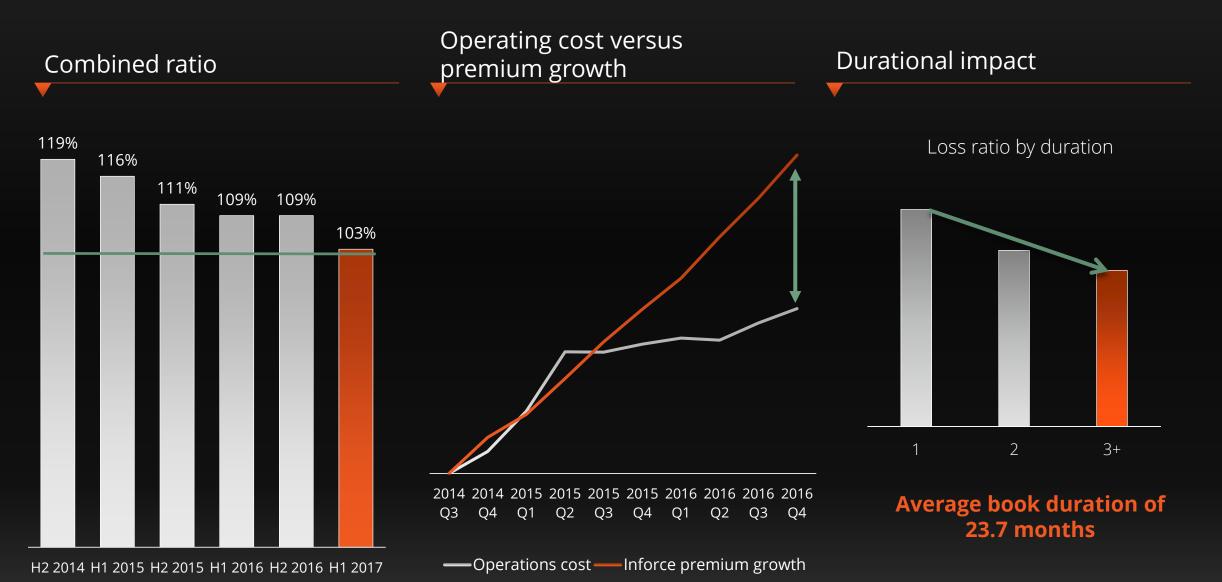
- Boost balance sheet (A- rating)
- 2. Fund new business strain
- 3. Sales platforms and support





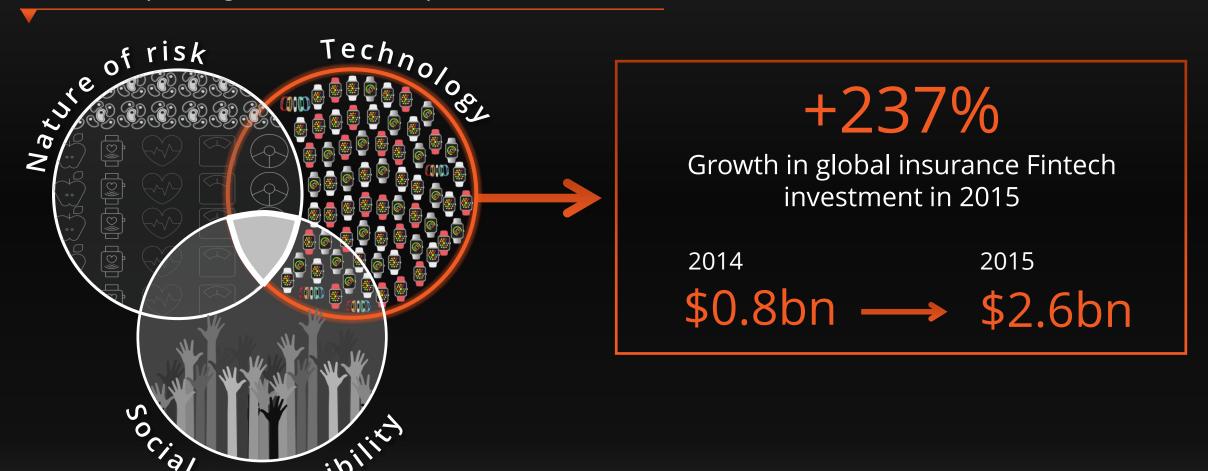


# Efficiencies emerging with duration effect impacted by a high growth rate



The world of vehicle insurance is shifting towards an increasingly digitised, FinTech environment

Trends impacting insurance companies



Accenture FinTech Report 2016

#### Drivers of competitive advantage

#### Extensive data capabilities

Over 5.4 billion km of data

#### Data sent 15 times per second



Acceleration



Distance



Age



Braking



Location



Gender



Cornering



Time



Car type



Speeding

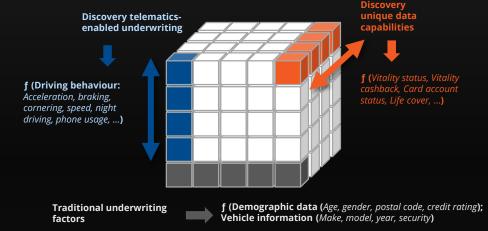


Cellphone usage

#### Powerful analytics

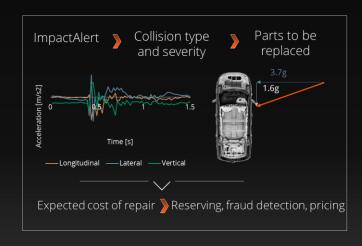
#### **Examples of analytics applications**

1. Added dimension of pricing



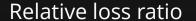
2. Accident

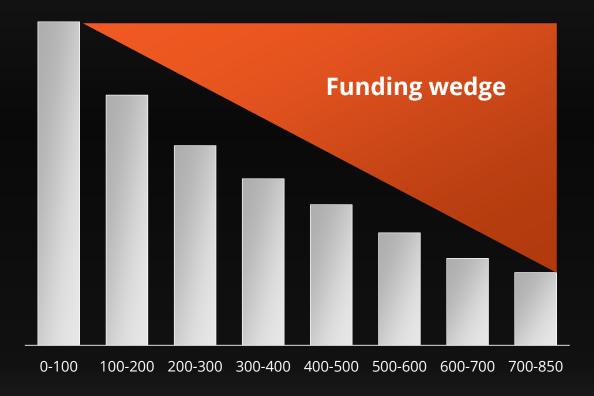
reconstruction



Drivers of competitive advantage: product and pricing allowing the selection and retention of risks

Funding Wedge





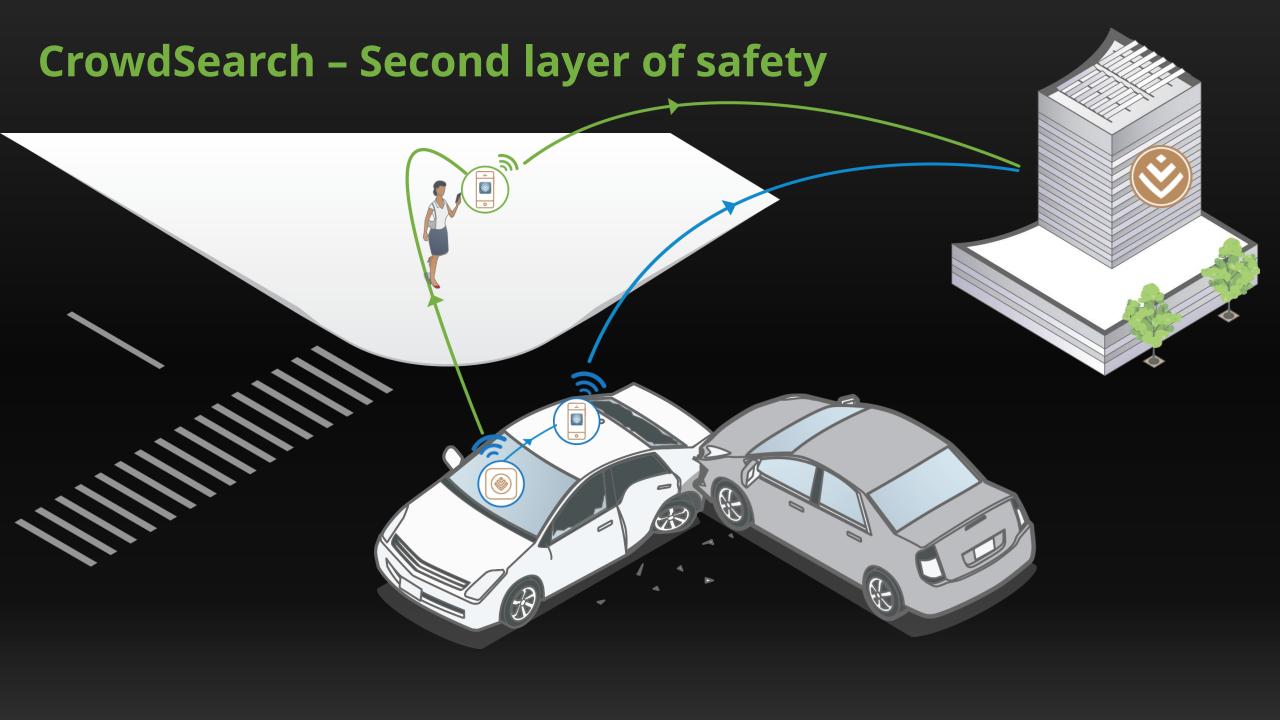
Driver performance score



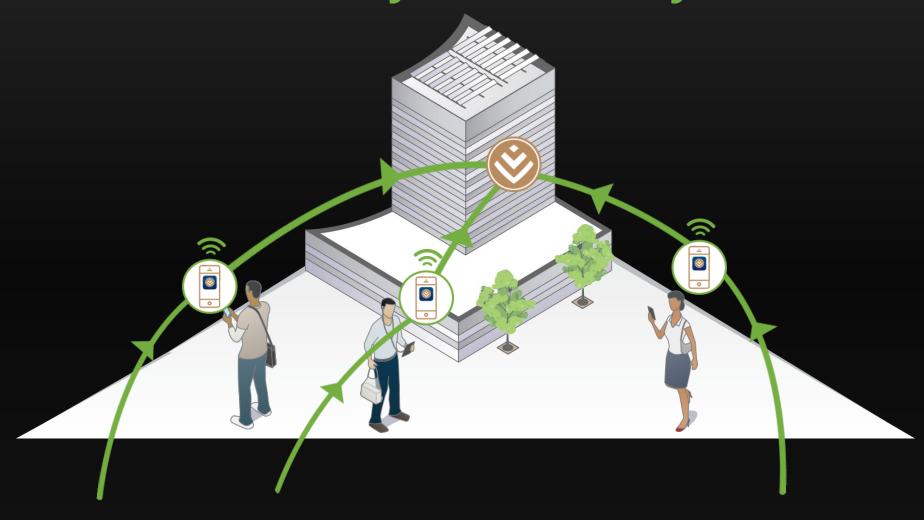
# Disruptive use of technology ensuring a fully digital customer journey



# ImpactAlert



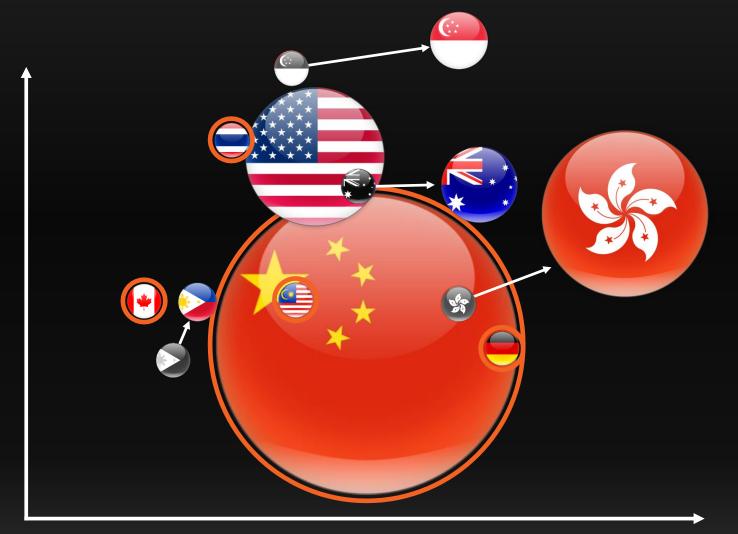
# **CrowdSearch – Second layer of security**







Number of integrated products



# 2015

- 1 YOY Business revenue growth of 196%
- 2. Integrated insurance premium increase of 178% to R1.3bn
- R300m R500m in profit in next 3-5 years



# Tremendous success of Vitality Active Rewards









ų"	Vitality Active Rewards Members	<b>Engagement</b>	Rewards Earned
	Over <b>650k</b> in less than 5 months	Over <b>16m</b> activities completed	Over <b>0.6m</b> coffees and healthy meals
<b>&gt;&gt;</b>	<b>300k</b> unique members	<b>19m</b> physical activity events logged	Over <b>3.6m</b> coffees/smoothie vouchers given
<b>A</b>	<b>150k</b> unique members	<b>8-fold</b> increase in engagement	Over <b>2.5m</b> coffees awarded

Launched in the US, Hong Kong and Australia

25% increase in physical activity

30% lower lapses and claims experience for engaged members

## Vitality Active – strategic partnership between Vitality and Hannover Re

A cloud-hosted Vitality solution, with a lower cost of entry and a quicker time to market





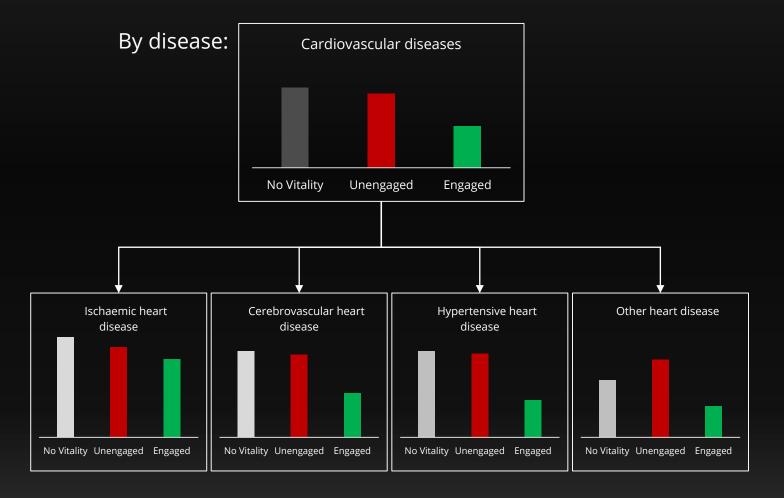
**NEW Network** 

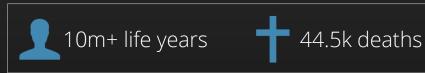
Assets 2017



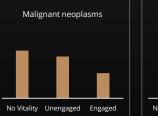
#### Granular view of Vitality impact

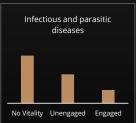
Jan 2012 – Mar 2015; family status; 3 year lag in status Standardised for Age, Gender, SE Class, Initial RUB; Rebased to Non-Vitality



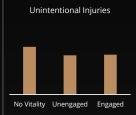


#### Extensive list of diseases analysed

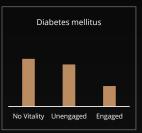


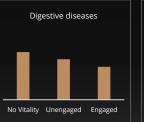


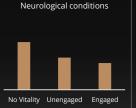










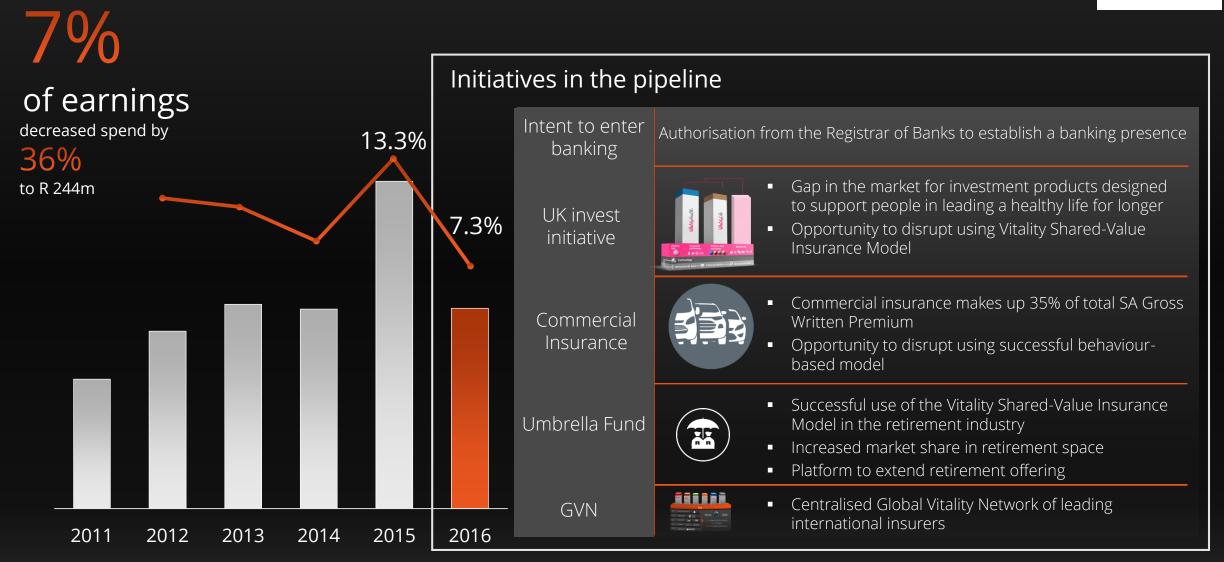


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# New Initiatives

#### Investment in new initiatives





#### Adjacent expansion into the UK investment market



#### Characteristics of the UK savings market

Composite model for investments Vitality Shared-Value Model built on the same chassis



Net retail flow in 2015

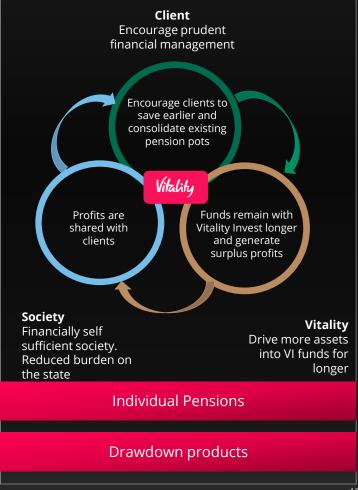
1 life year added every 5 years

People are living longer and interest rates are low, putting pressure on savings

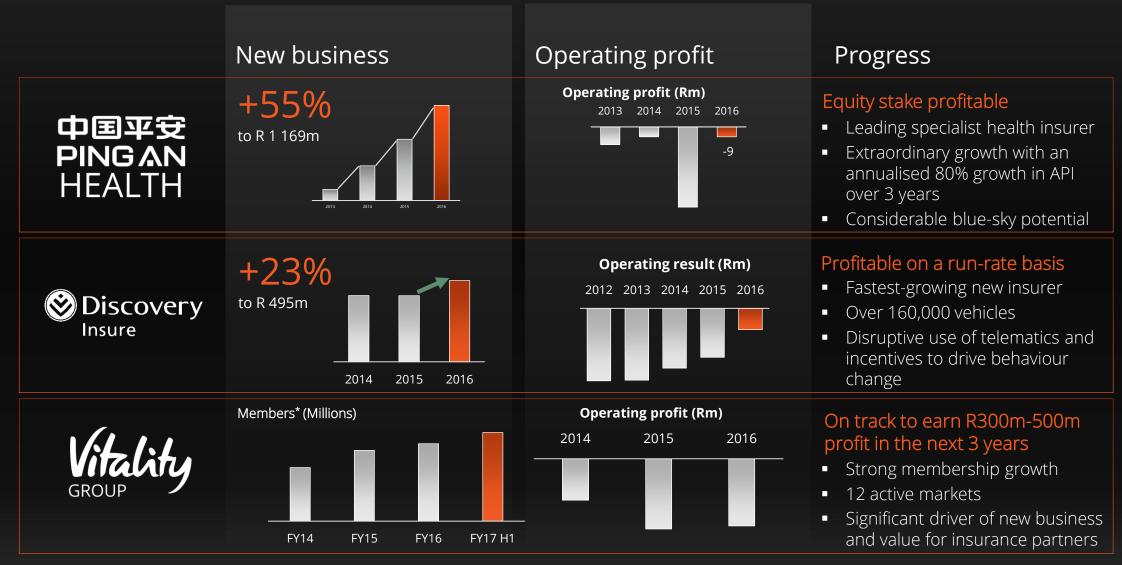


Strong incentives for saving and consolidation of pension pots with tax incentives on contributions, growth and withdrawals





# Several new initiatives moving to emerging businesses, demonstrating the success of the growth engine

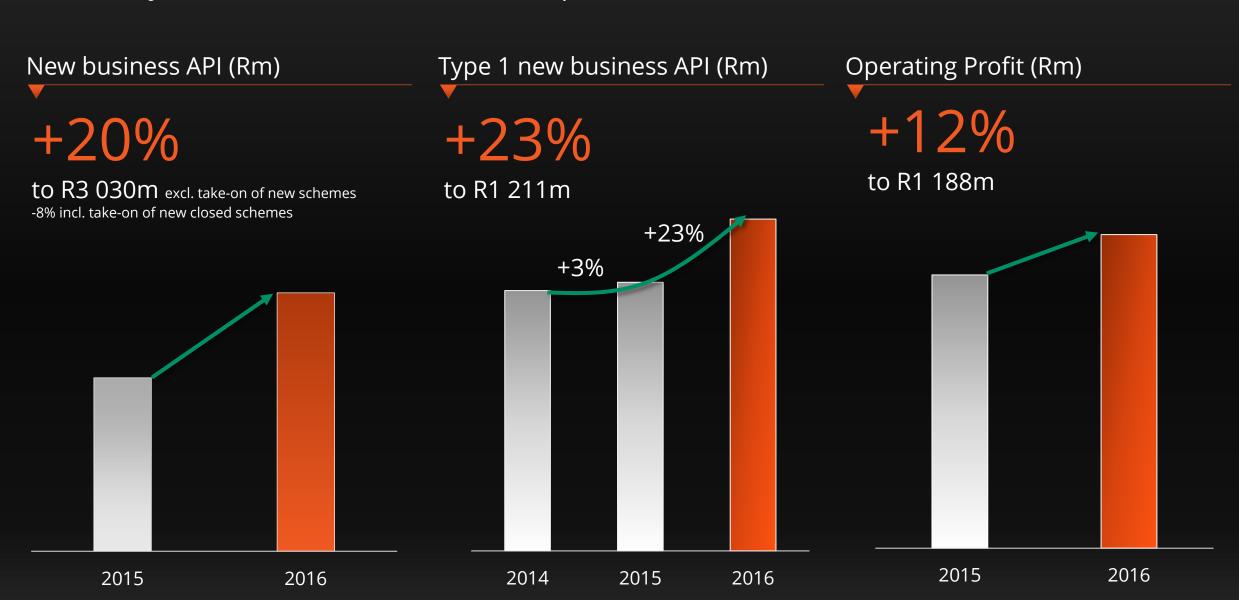


<sup>\*</sup> Includes members on standalone Vitality Active Rewards programme

# Established Businesses



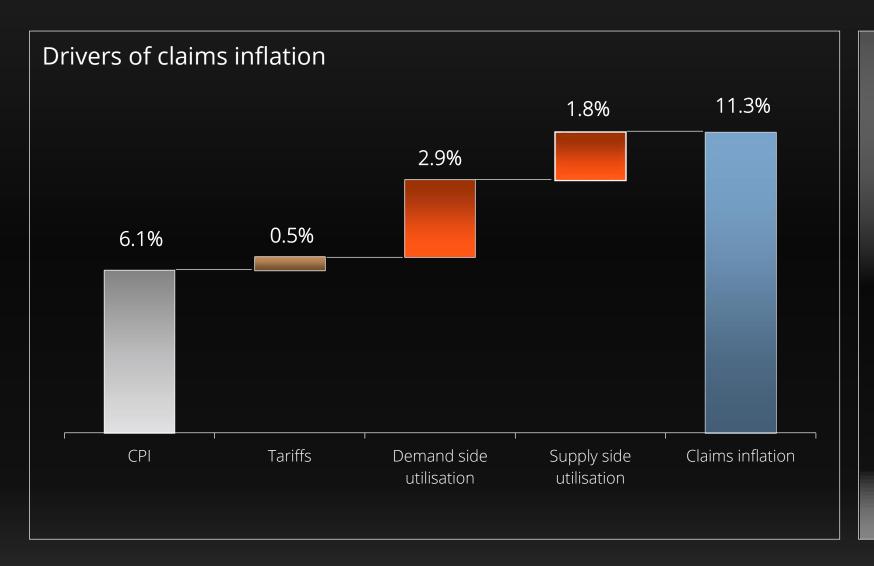
## Discovery Health - Sustained excellent performance



# Discovery Health – A fully integrated heath system

VITALITY	Health & Wellness Tools	Disease Manager	nent Preve	ntive Care	Personal Pathways	
RESEARCH AND DEVELOPMENT	MARKETING AND DISTRIBUTION	ADMINISTRATION AND SERVICING	BENEFIT MANAGEMENT AND CARE	DIGITAL ASSETS	HEALTH SYSTEM ASSETS	
			Managed Care Operations	HealthID		
Research and Innovation		New Business and Underwriting	Disease Management	Member App	HomeCare	
Benefit and	Marketing	Service Operations		Web	Southern Rx	
Product Design	Technical marketing	Service Lab	Provider Relations and Network Management	Remote Monitoring	MedXpress	
Discovery Health Plan range	Distibution	Finance		HealthTap	HealthyCompany	
Annual benefit and plan revision		People	Co-ordinated Care	Web chat	MyDevice	
parrevision		Реоріе	Supply-side Development	Al Virtual Agent		
RISK MANAGEMENT	Actuarial Clir	nical Centre of Excellence	Risk Intelligence	Clinical Risk Manageme	ent Forensics -	
					ications Enterprise structure Architecture	
DATA SCIENCE	AI & Machine Learning Predictive Analytics					

### Discovery Health's social mandate – Curbing medical inflation

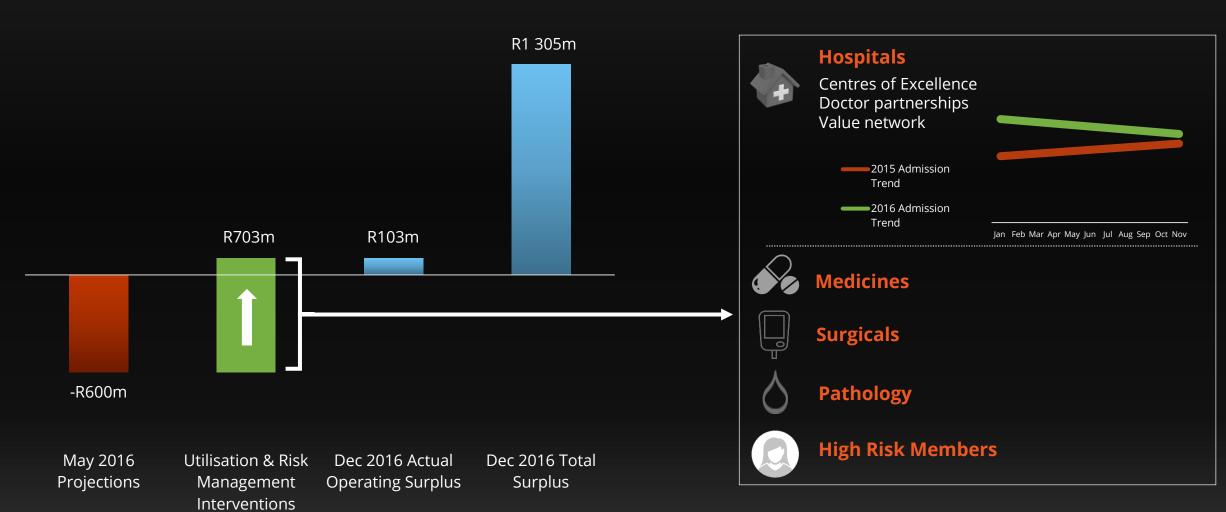


#### Healthcare inflation is:

- Not just about tariffs but utilisation
- Not just about the sick but also the healthy
- Not just about demand but supply-induced demand
- 4 Technology doesn't reduce costs, it increases them
- Not about non-healthcare expenses but healthcare expenses

# Dramatic turnaround in Discovery Health Medical Scheme loss ratio due to effective interventions

R700m turnaround in projected DHMS claims - equivalent to 2% of total premiums

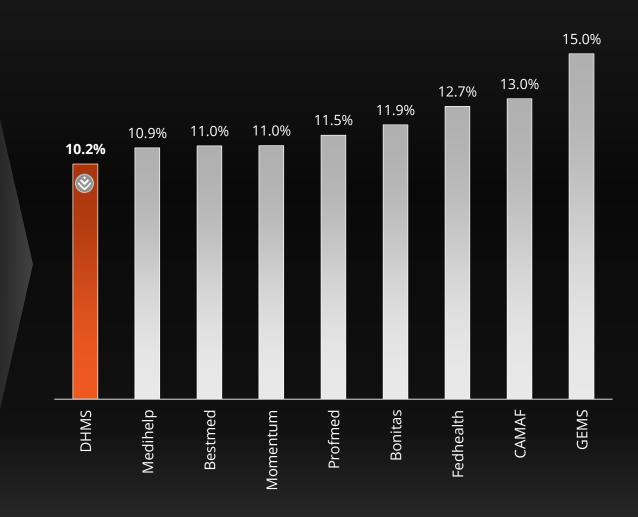


# Discovery Health Medical Scheme – Increasing performance gap and competitive advantage against other open schemes

DHMS performance vs the rest of the open schemes market

Low contribution increases (2017)

	DHMS 🍪	Open schemes, excluding DHMS
Membership growth (Sep 15 - Sep 16)	+2.5%	-3.1%
Market share (Sep 16)	55%	45%
Operating result	R103 m	- R1 522m (year-to-date Sep 16)
Net result, including investment income (year-to-date Sep 16)	+2.8%	-2.0%
Reserves growth (Sep 16 vs Sep 15)	+1.2%	-3.7%
Solvency change (Sep 16 vs Sep 15)	+0%	-1.8%



#### Discovery Health Medical Scheme - Continued excellent performance

Growth

# Competitive advantage

Lowest premiums in the scheme

Membership Growth

No movement

Stability and security

Upgrade

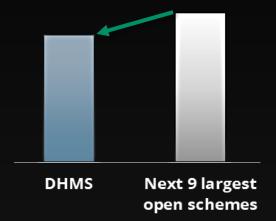
3% Downgrade



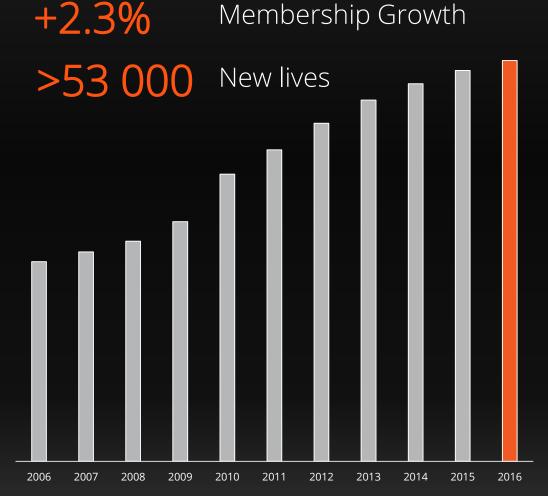
-15%

market

(2015: -14%)







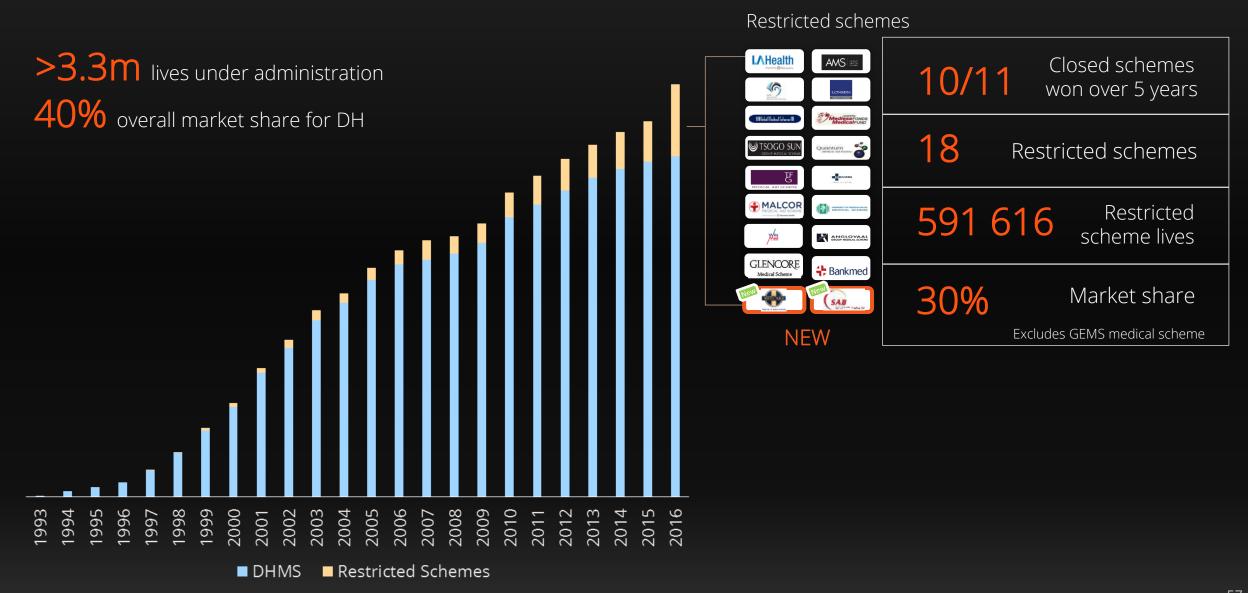
26.3% Solvency

R14.2bn Reserves

GCR credit rating

R103m Operating surplus R1.3bn Net Surplus

## Discovery Health – Widening competitive advantage



### Discovery Health investing over R800m per annum in technology and digital innovation



Discovery Member App 500 000+ users

59% YoY user growth

2.6 million+ monthly logins



1st EHR in SA

**2,780**+ doctors

1.2 million+ member consents



Al Virtual Agent 1st in SA healthcare

94% of queries answered with 93% accuracy

5-10% reduction in general calls and emails



**Big Data and Data Science Hub** 

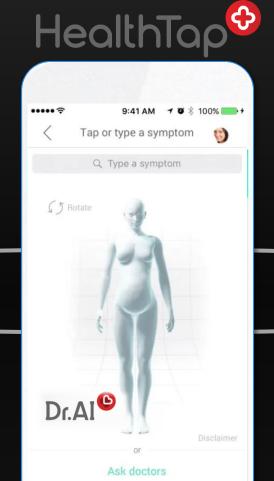
2 Peta Bytes of data

Predictive analytics for health risk, mortality risk, fraud risk, lifestyle choices, etc.

Substantial new functionality in Member App and HealthID through partnership with

HealthTap

Database of 5.5bn answers to medical questions from over 107,000 doctors internationally



Instantaneous indicative diagnoses, with likelihoods and direct access to doctors for further input



Discovery Member App

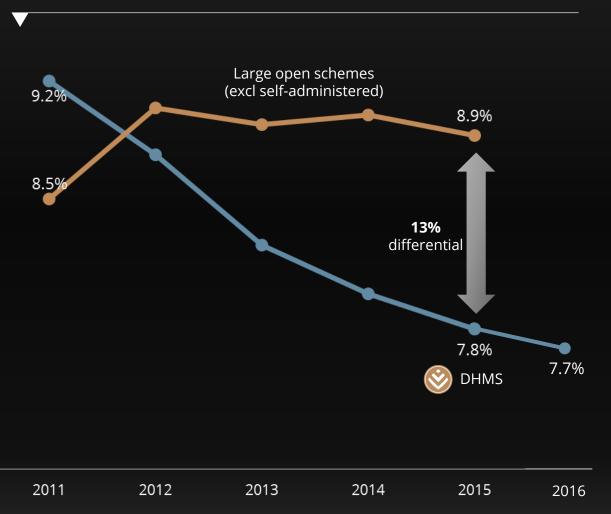
Dr AI: Using learning algorithms based on your history and global experience

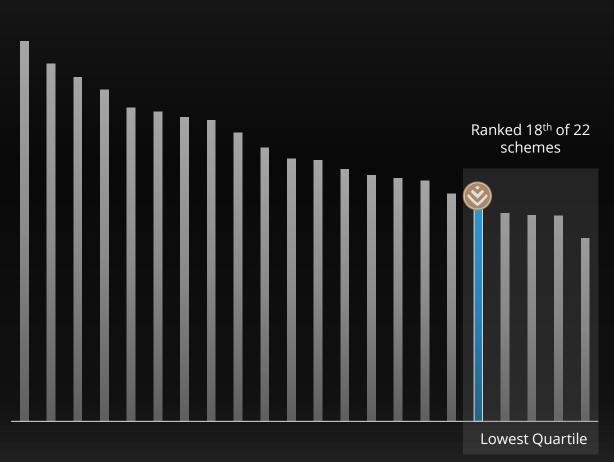
Mobile, with a direct link into HealthID, and the patient record for the most optimal advice

# Ongoing reduction in administration fees despite substantial investments in technology and innovation

Administration expenditure as % of GCI over time

DHMS admin fees in bottom quartile as % of GCI





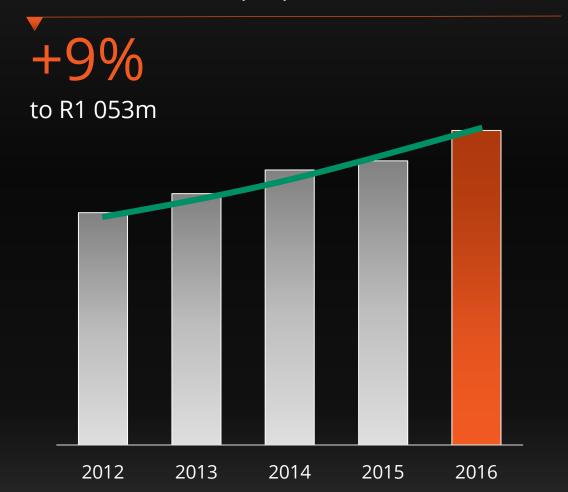
GCI = Gross Contribution Income

60

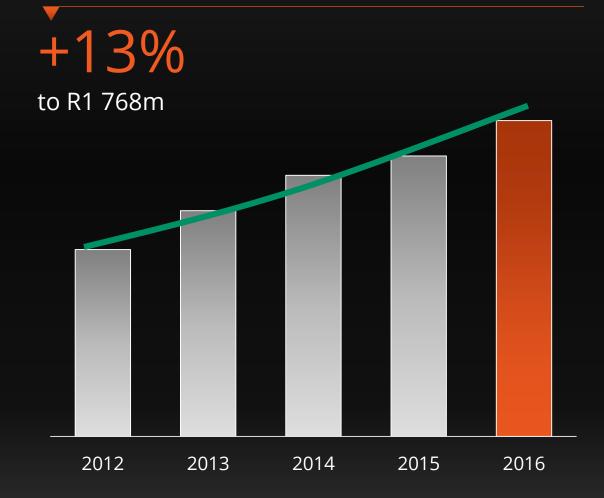




New business API (Rm)



Normalised operating profit (Rm)

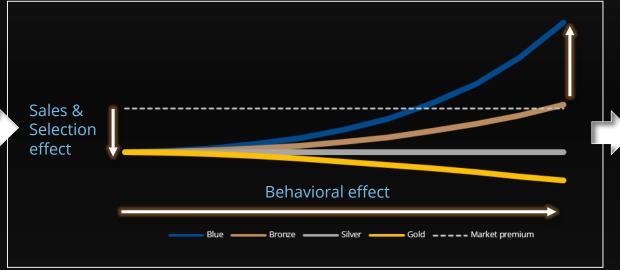


### Vitality Shared-Value Insurance Model for Discovery Life

#### Shared-Value Model



#### **Dynamic Pricing Model**



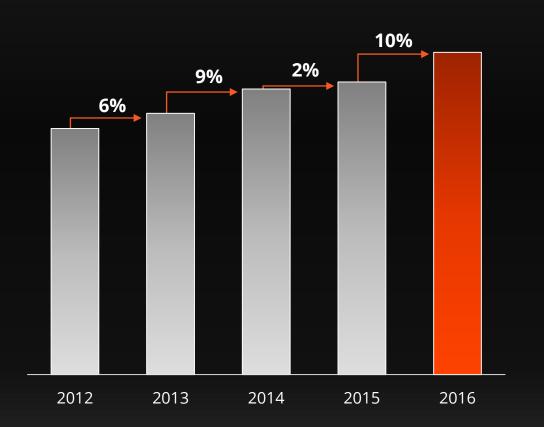
#### Output

- New business effect
- 2. Selection
- 3. Behaviour change
- 4. Selective lapses
- Bent q(x)

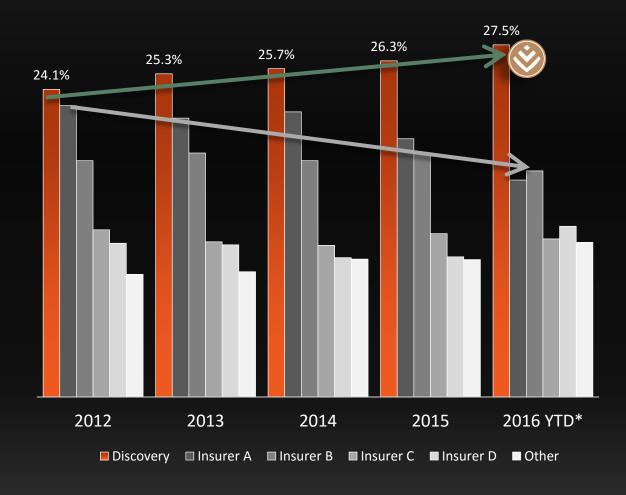
Superior VNB

# Strong growth in individual business and further gains in market share

Individual Life new business API Jul-Dec (Rm)

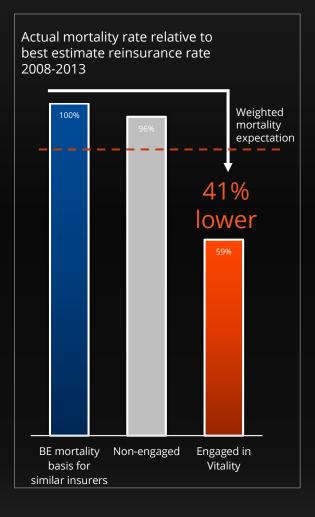


New business market share in the Retail Affluent segment

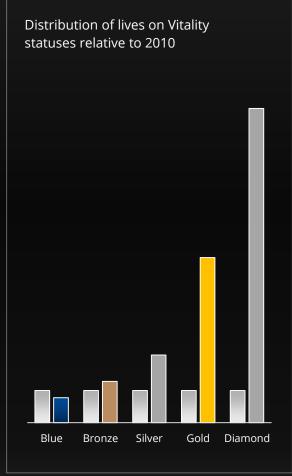


## Outputs of the Vitality Shared-Value Insurance Model

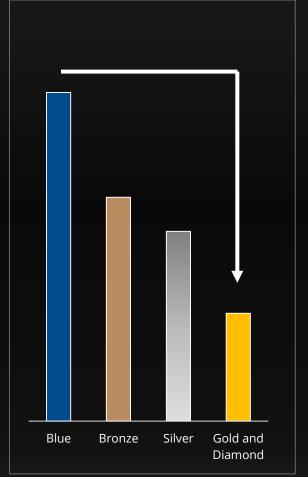
#### Selection



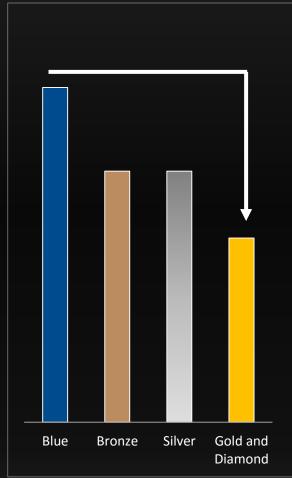
#### Engagement



Lapses



#### Mortality



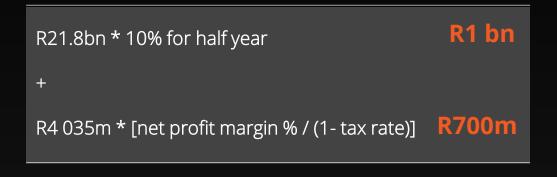
### Strong cash generation funding attractive new business

#### Profit/cash flow reconciliation

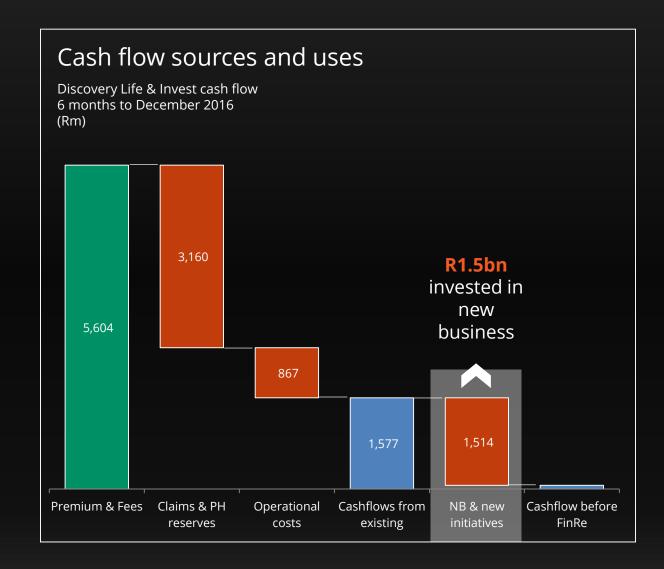
Average Negative Reserve X Valuation interest rate over the period

+

Premium income X Gross margin



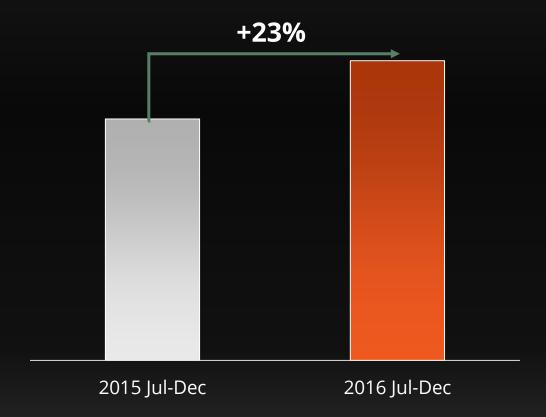
~ Gross profit for the period = **R1.7bn** 



### Strong cash generation funding attractive new business

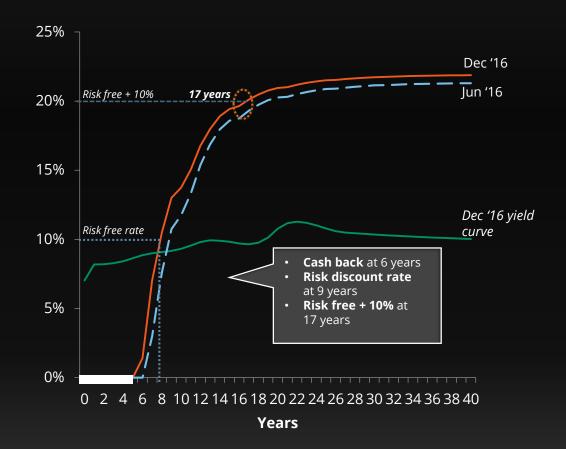
#### Value of new business (Rm)

Individual Life VNB (on a constant economic basis)

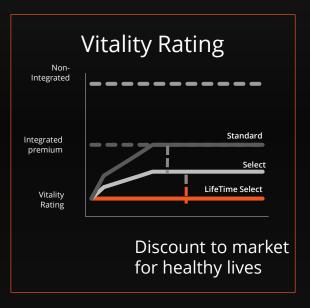


#### Return on Capital profile over time

Life and Invest Dec 2016 IRR



# Product innovation evolving the Vitality Shared-Value Insurance Model and enhancing the customer journey

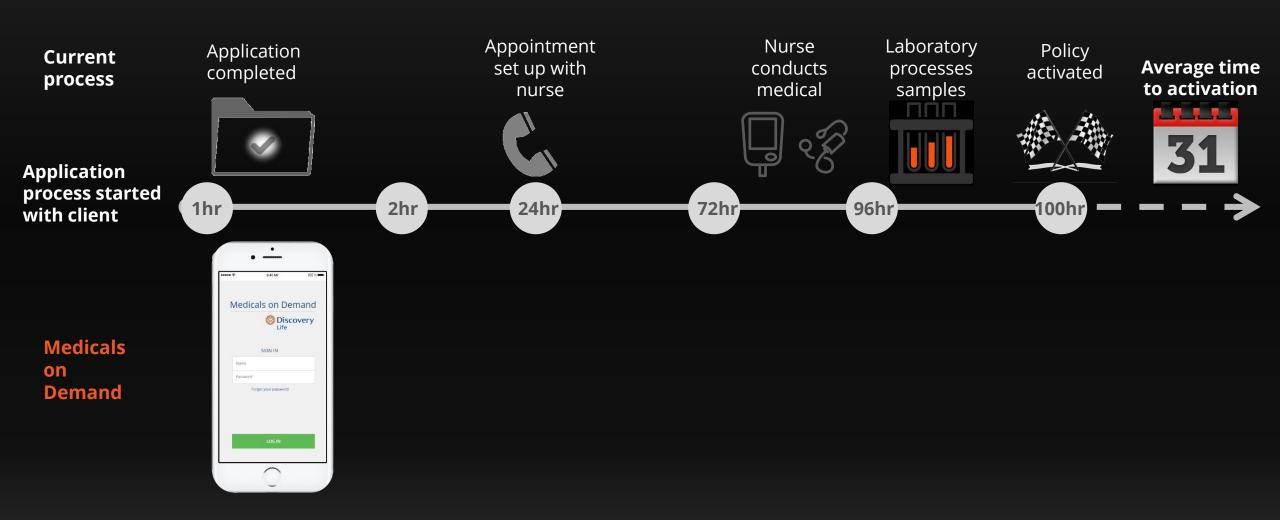


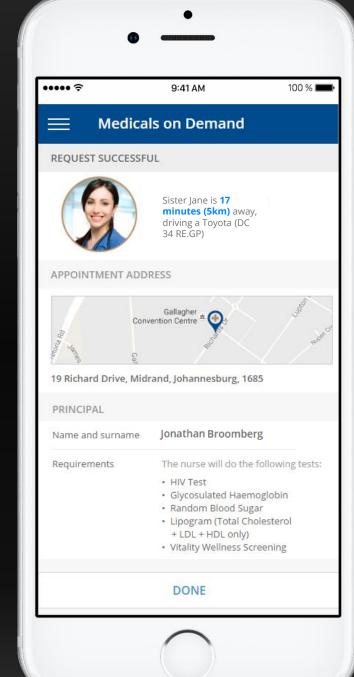




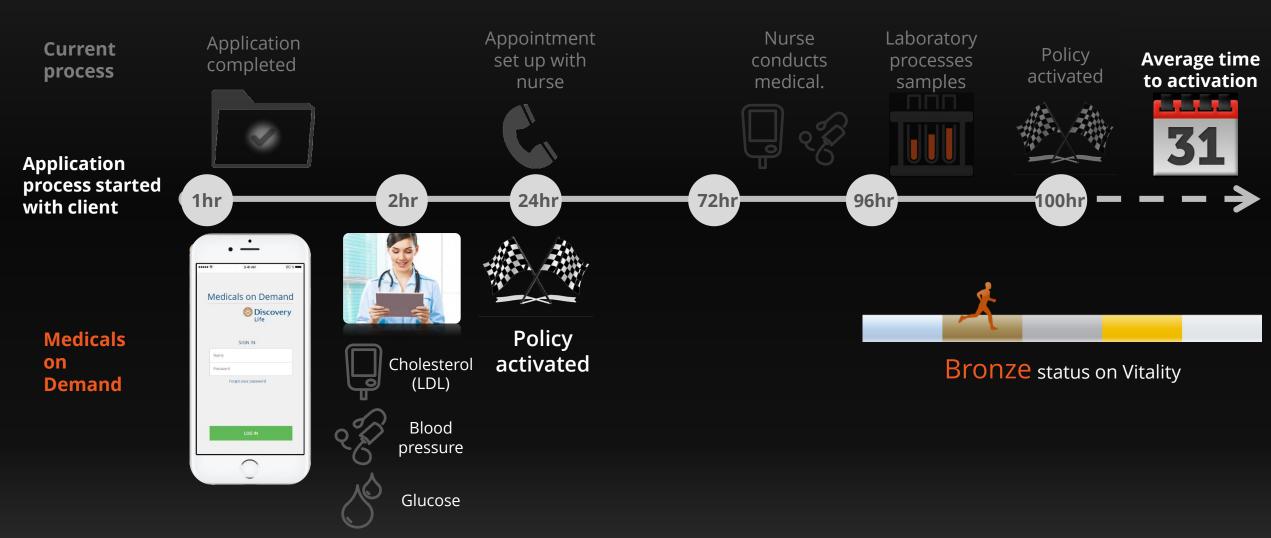


# Medicals on Demand reduces application times by 75%





## Medicals on Demand reduces application times by 75%



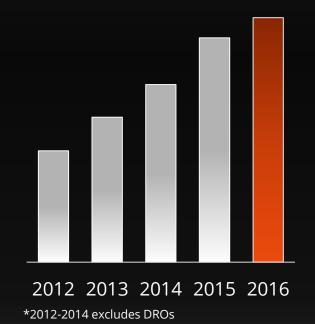




New business API (Rm)

+9%

to R1 278m



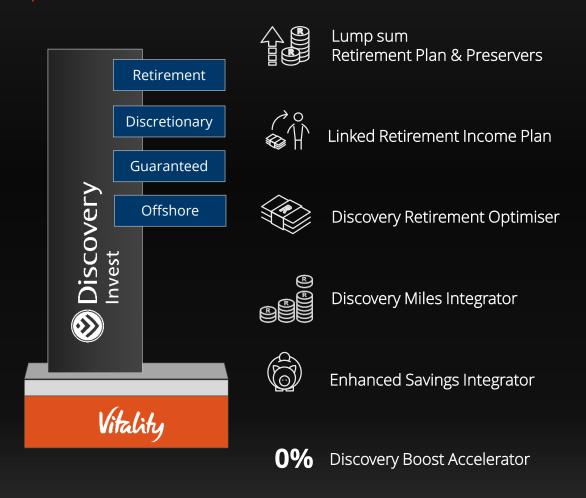
Normalised operating profit (Rm) +21% to R326m 2012 2013 2014 2015 2016



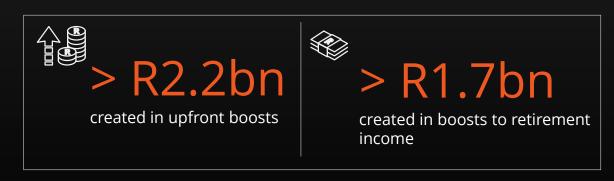
Discovery Invest ranked in the Top 6 Retail Asset Takers for 2016

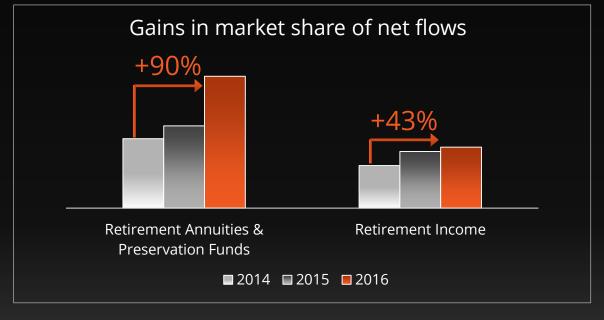
## Long-term savings platform harnessing Shared-Value Insurance Model

#### Comprehensive range of savings solutions



Delivering value to clients, resulting in increased market share



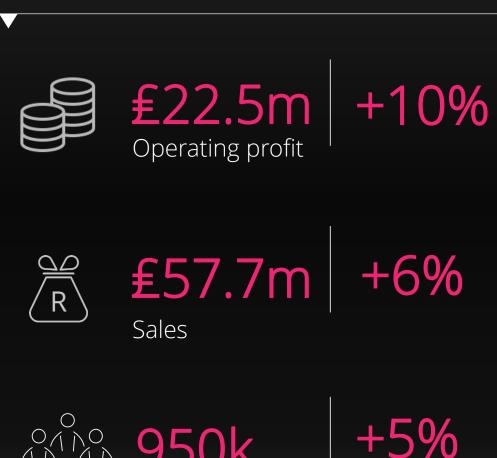




## Solid performance in a difficult economic climate



#### **UK Primary Market**





## Product innovation: Active Rewards with Apple Watch and HealthyFood with Ocado

Earn your Apple Watch with Vitality Health and Life Insurance

15,000

Number of Apple Watch sold

22%

Increase in physical activity points earned\*



4 months since launch

Free delivery and up to 25% discount if you eat healthy and exercise

500+ Daily orders

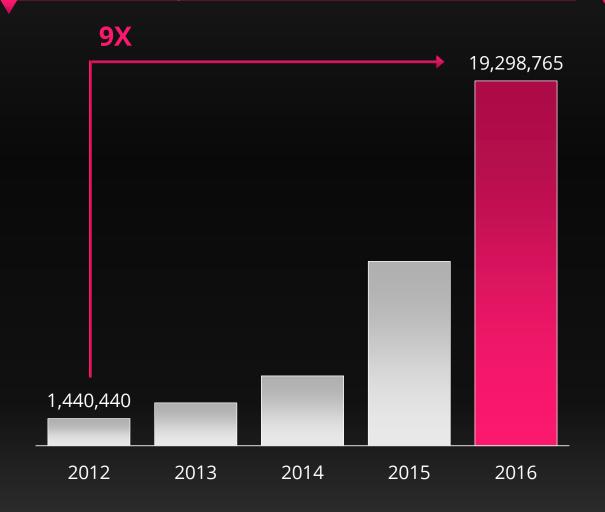
5 Increase in weekly HealthyFood spend



\*For the cohort of existing members only

## Record levels of engagement in Vitality

# Number of point-earning activities undertaken by members



#### Value for members in 2016





### Brand investment: expansion of sponsorship and ambassador portfolio

#### **Ambassadors**





The addition of Rugby Union player Maro Itoje, and new initiatives from existing ambassadors.

#### Sponsorships





A diverse and expanding sponsorship portfolio, focused on sport and mass-participation events.

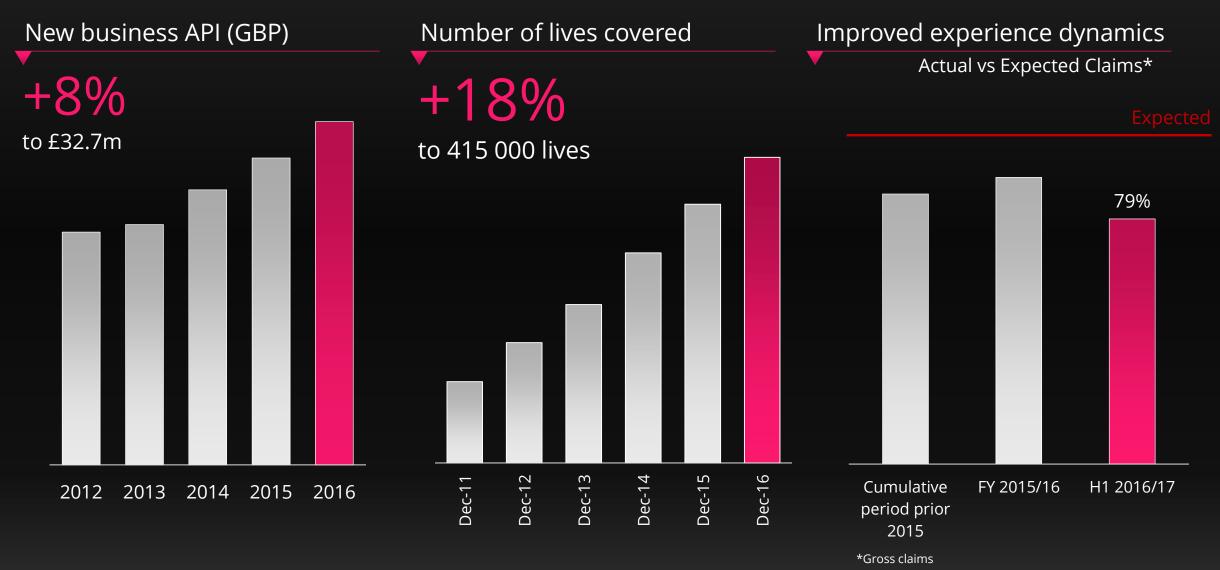
#### Advertising



In January Vitality became the first company to run a front-page advertisement in the Sunday Times.

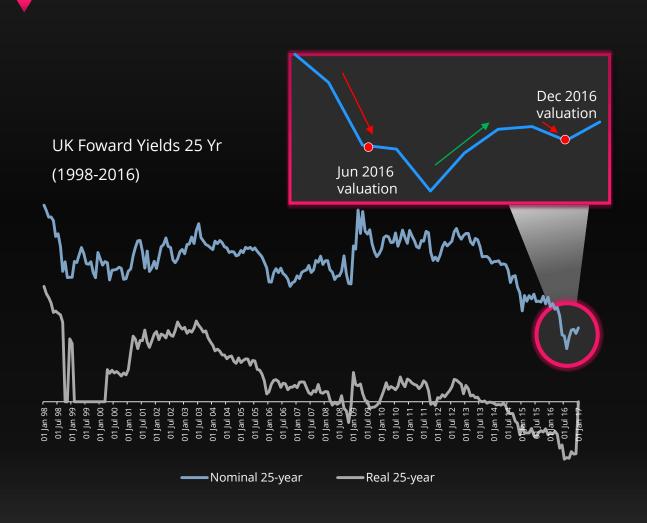
# Vitalitylife

## Robust operational performance



### Performance impacted by interest rate headwinds

#### Record-low interest rates, negative real rates



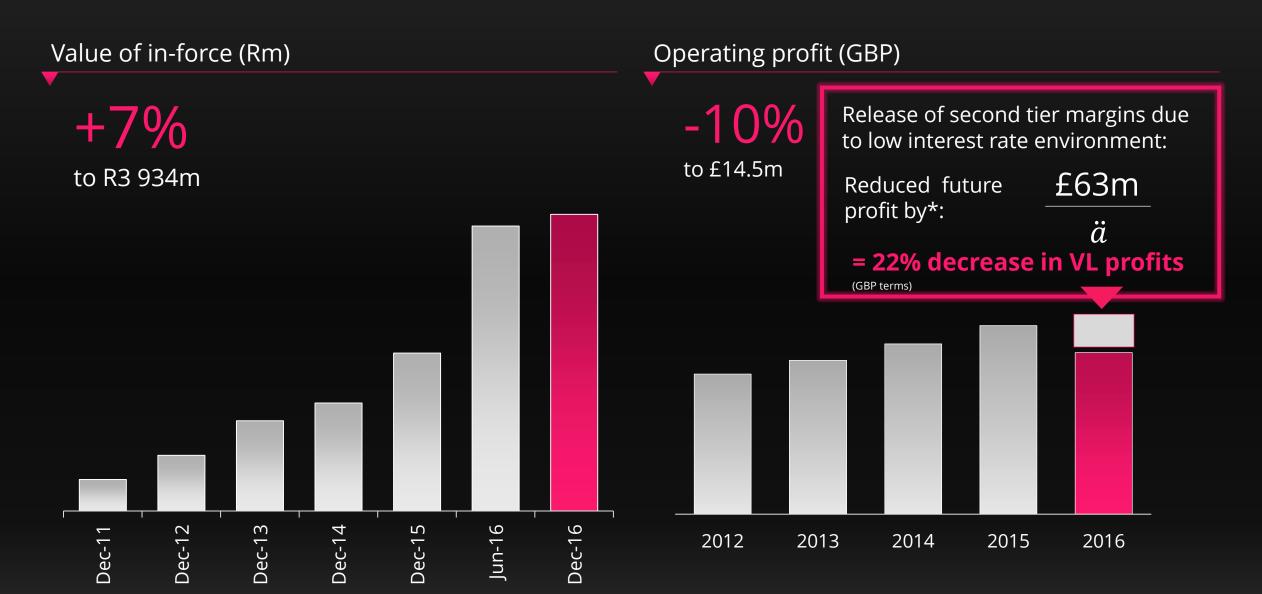
#### **Interest Rate Impact**

Impact on earnings – release of 2<sup>nd</sup> tier margins

Reduced embedded value

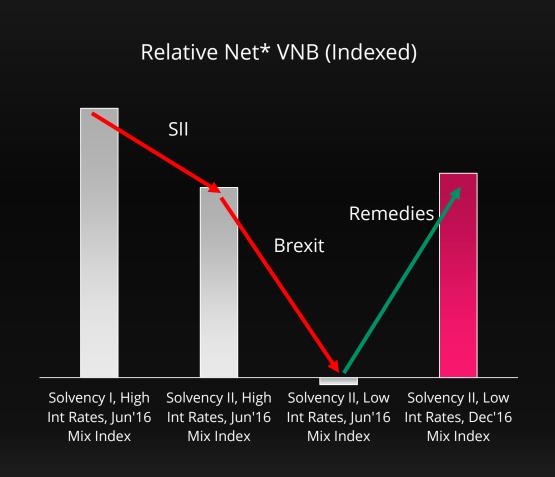
Lower VNB and ROC

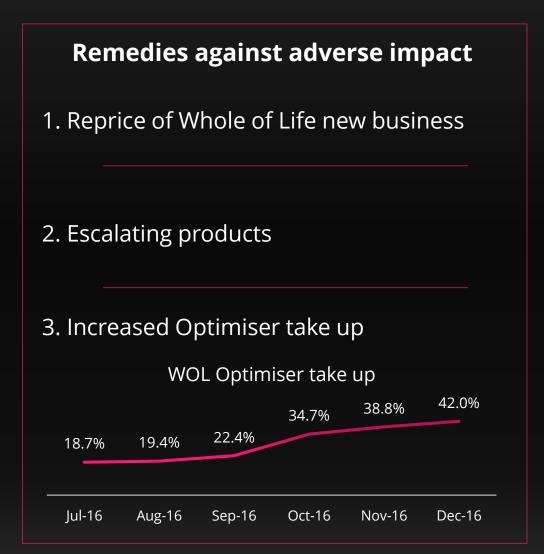
## Performance dampened by Brexit impact



### Remedial actions taken to mitigate the interest rate impact

#### Improved profitability on Whole of Life products

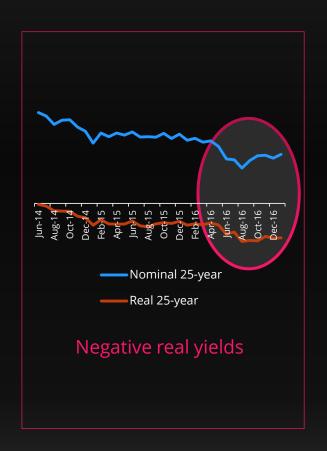




<sup>\*</sup>Net cost of capital

### Confidence in the business going forward

Scenarios of future movements in the interest rate:



# Increase in interest rates



- Existing block of business returns to previous profitability
- Current new business highly profitable

# No change in interest rates



- Existing block of business has new earnings base
- Quality new business will come through

# Decrease in interest rates



- Decreased earnings on existing business
- Smaller impact on new business written

# VitalityHealth

# VitalityHealth

2012

2013

2014

2015

2016

2012

2013

2014

2015

2016

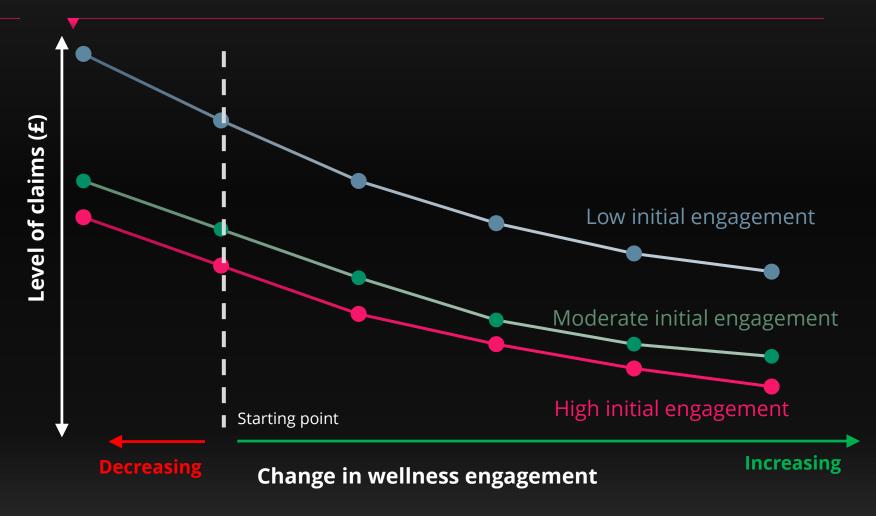
Operating profit (GBP) New business API (GBP) New business Split +20% +4% +82% in individual new business to GBP 8m to GBP 25m 13.0 10.8 2015/16 2016/17

■ Individual ■ SME ■ Corporate

#### Evidence of the success of the model: impact of behaviour change on claims rates

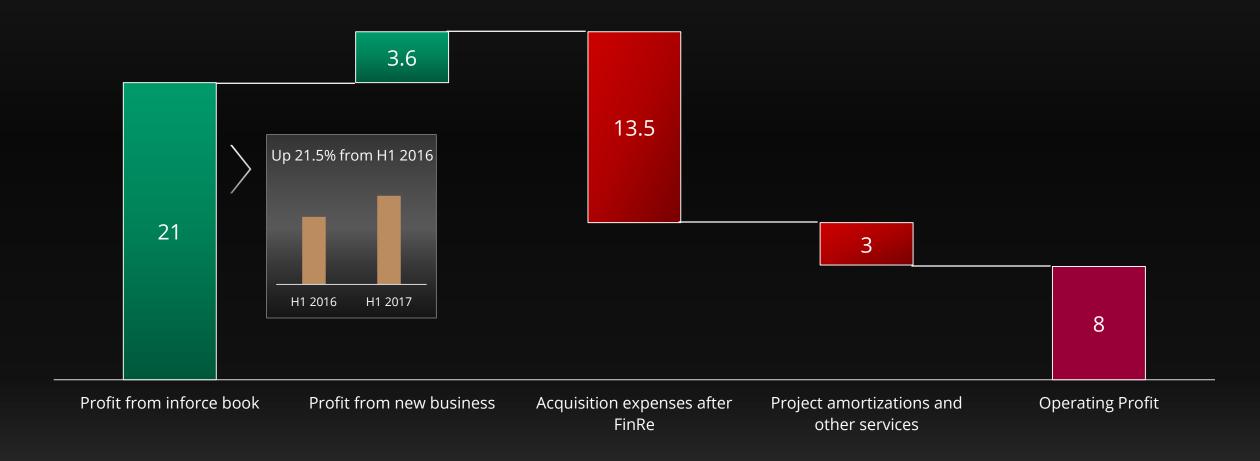
Record levels of engagement in Vitality

Life insurance that gives you up to 25% off healthy food from Ocado, and free delivery. mean by the 'Big Apple Apple Watch with Vitality health and life insurance. Pay from £69 upfront for an Apple Watch Series 2 pple Watch with Vitality Life insurance that gives you up to 25% off healthy food from Ocado, and free delivery. Claims rates for Vitality members based on initial wellness engagement and subsequent changes in wellness engagement



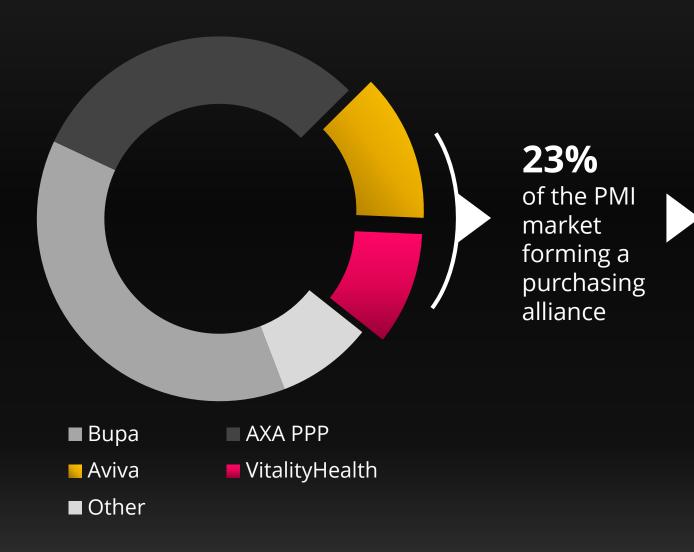
# Strong profit generation from inforce book, with an investment in quality new business

For the 6 months ending December 2016 GBP (m)

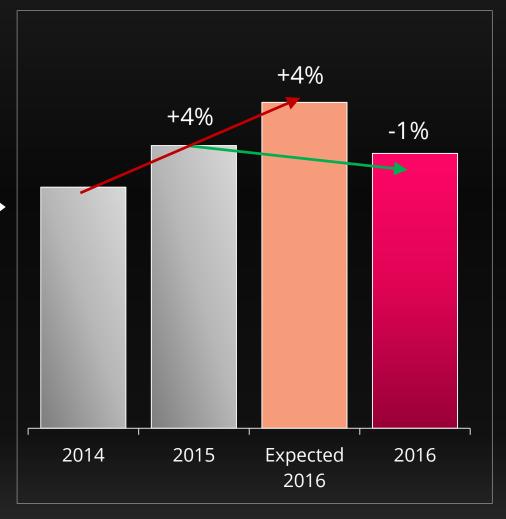


## Management of hospital expenditure through purchasing alliances

Market share for PMI



Early signs of positive impact on hospital claims per life



### **Operating Model**

#### Why & How

Make people healthier and enhance and protect their lives





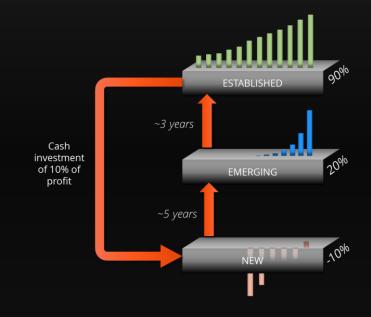




# Vitality Shared-Value Insurance Model



## Growth Methodology



Target group profit growth of CPI + 10%

### Capital Philosophy

