

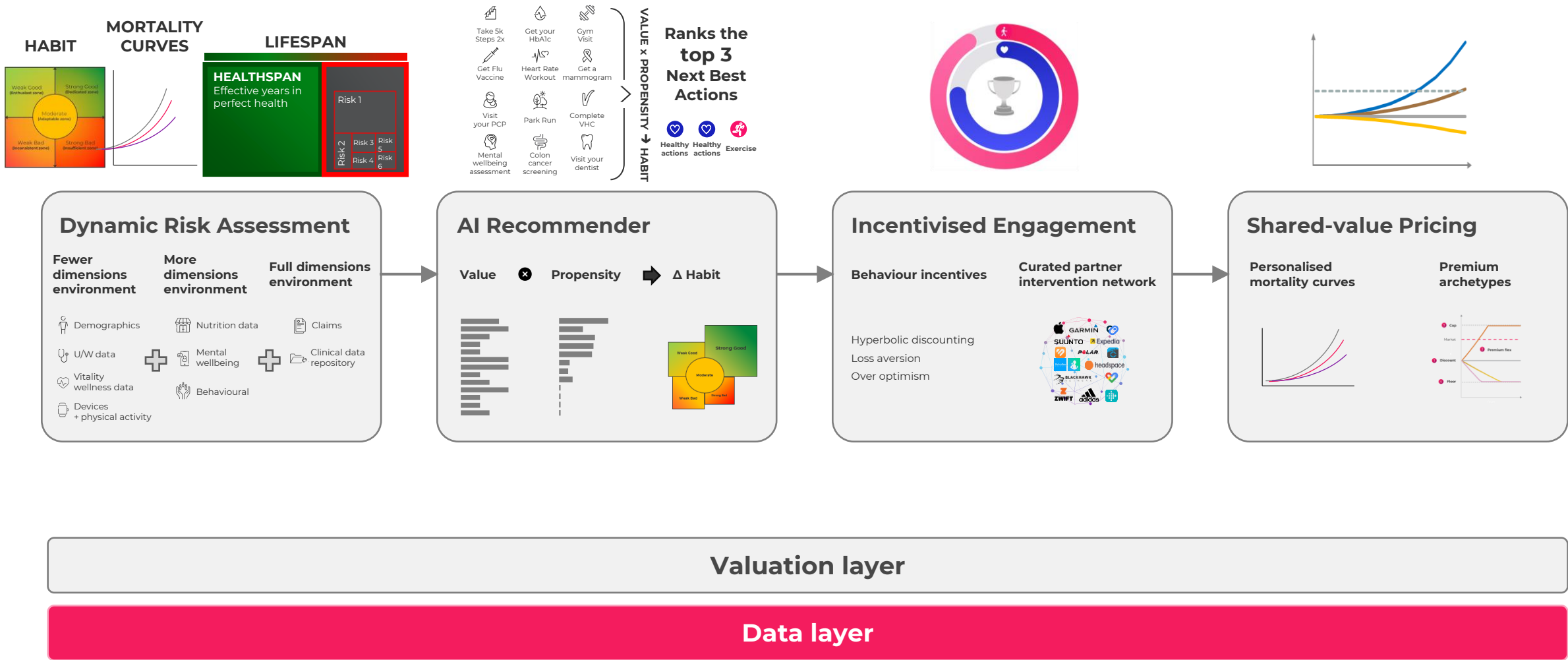
# Setting our data up for the future

Jonathan Broomberg, CEO, Vitality Health International  
Brian Hartzler, CEO, Quantum Health

The Vitality logo is a white circle containing the word "Vitality" in a red, cursive script font. It is positioned on the right side of the slide, overlapping a large white circle. The background is a solid red color with several white and colored curved lines (cyan, purple, yellow) scattered around the logo and the central white circle.

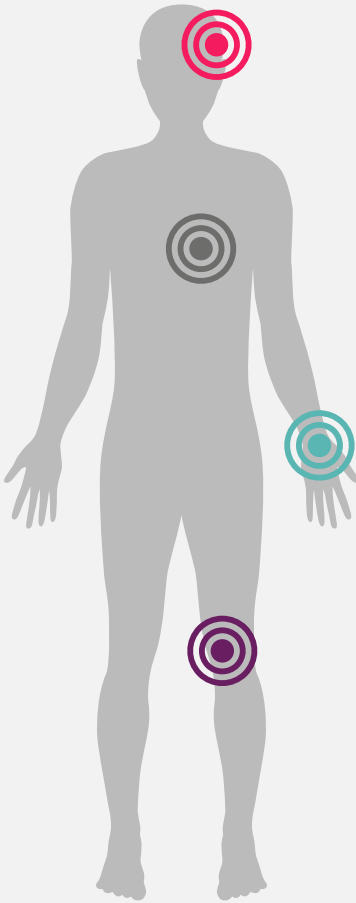
Vitality

# Data and AI play a fundamental role in enabling hyper-personalisation



# Our comprehensive dataset enables a multi-dimensional customer perspective which drives personalisation

## Member dimensions

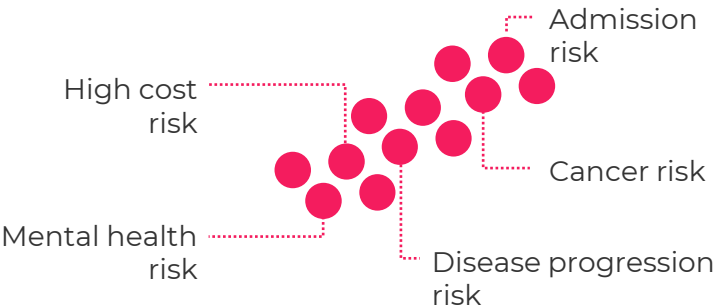


- Clinical dimension**
  - Healthcare events
  - Healthcare resource utilisation
  - Pathology results
  - Disease onset and progression
- Wellness dimension**
  - Preventative care
  - Nutrition
  - Lifestyle
- Operational dimension**
  - App, calls, email
  - Inbound & outbound
- Financial dimension**
  - Cost projections
  - Premium projections
  - Expense projections
- Sales dimension**
  - New sales
  - Cross-selling
- Social dimension**
  - Communication channels
  - Networks
- Behavioural dimension**
  - Habits, conscientiousness
  - Motivations

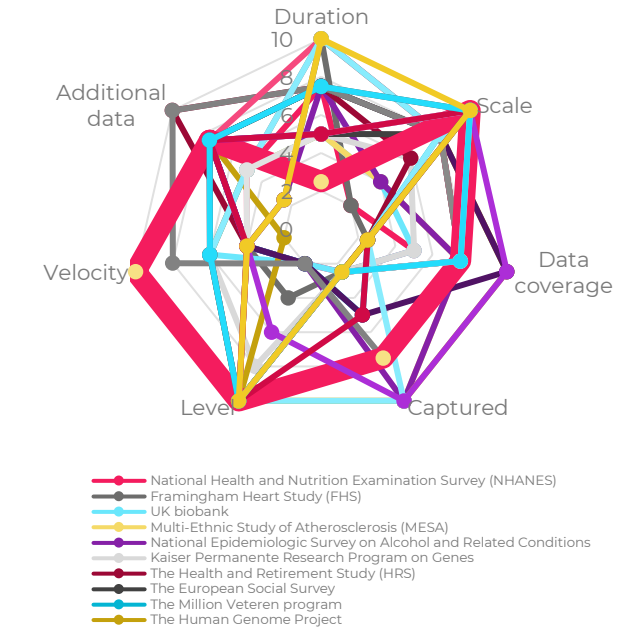
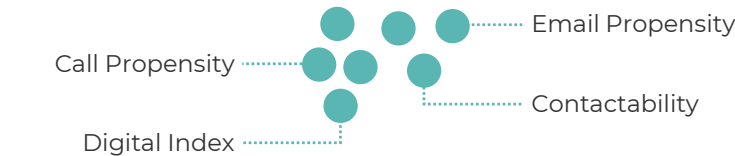
## Multi-purpose Risk, Value and Propensity Universe

### Individual scores

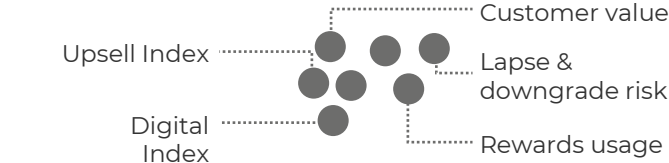
#### Clinical & wellness



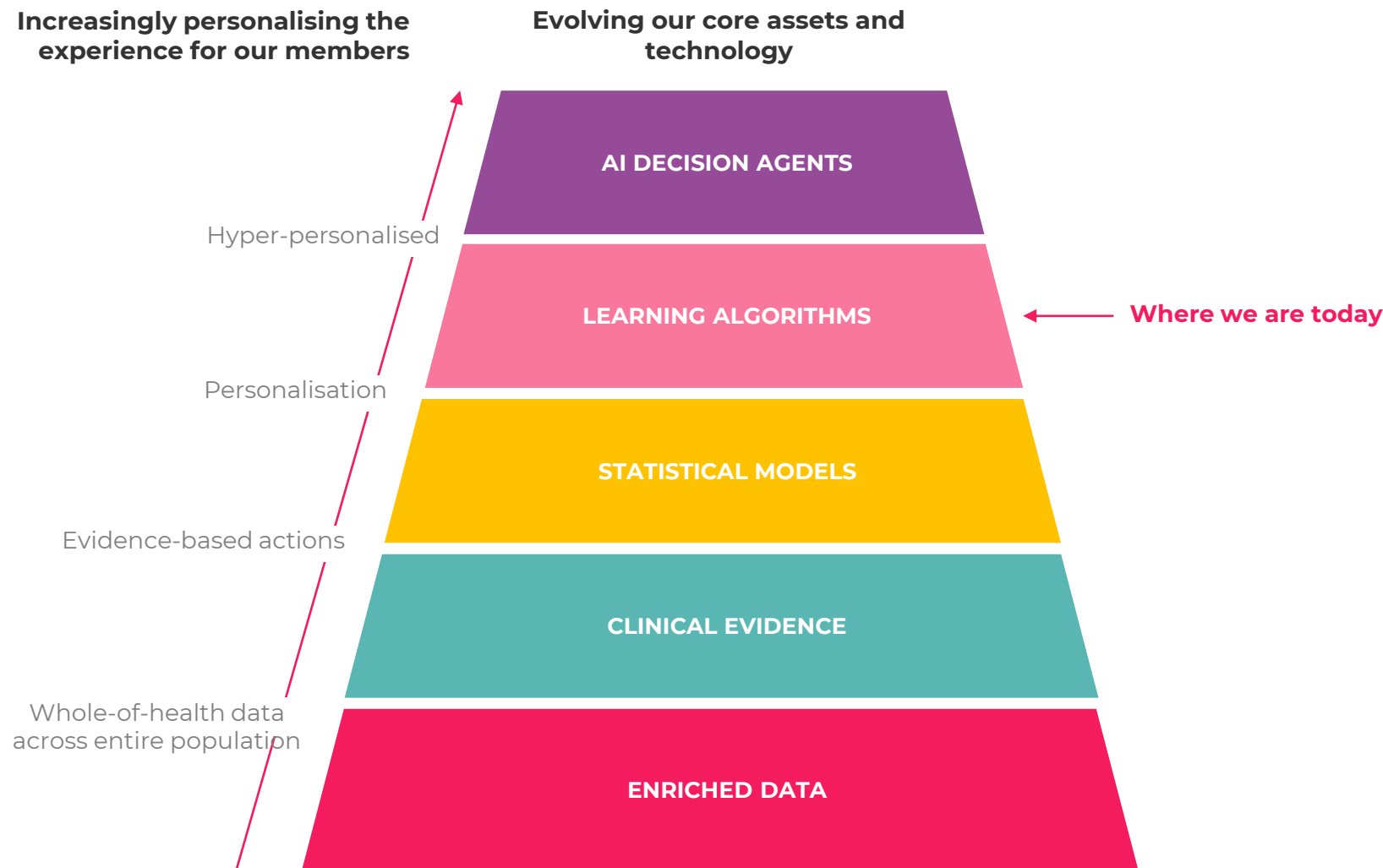
#### Operational



#### Sales, financial & behavioural



# Hyper-personalised health and wellness actions are built and depend upon a strong foundation of data





Vitality chose  
to work with  
**Quantum**  
to accelerate our journey  
towards  
**personalised, predictive**  
and  
**proactive engagement;**  
and evolve our core assets  
and technology

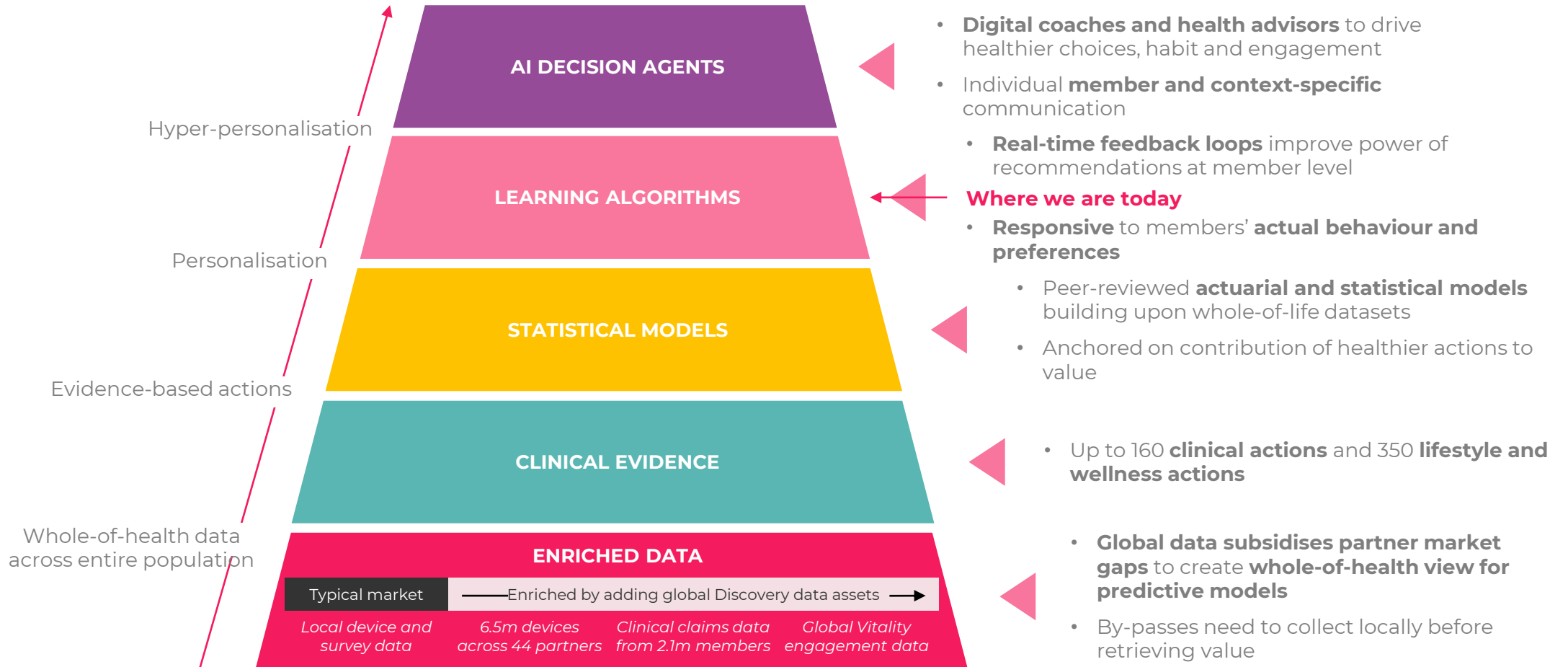
# The partnership has facilitated the V.AI Platform - now housing an extensive range of Discovery Health and Vitality data and models



Increasingly personalising the experience for our members

Evolving our core assets and technology

Bringing new capabilities to our partners



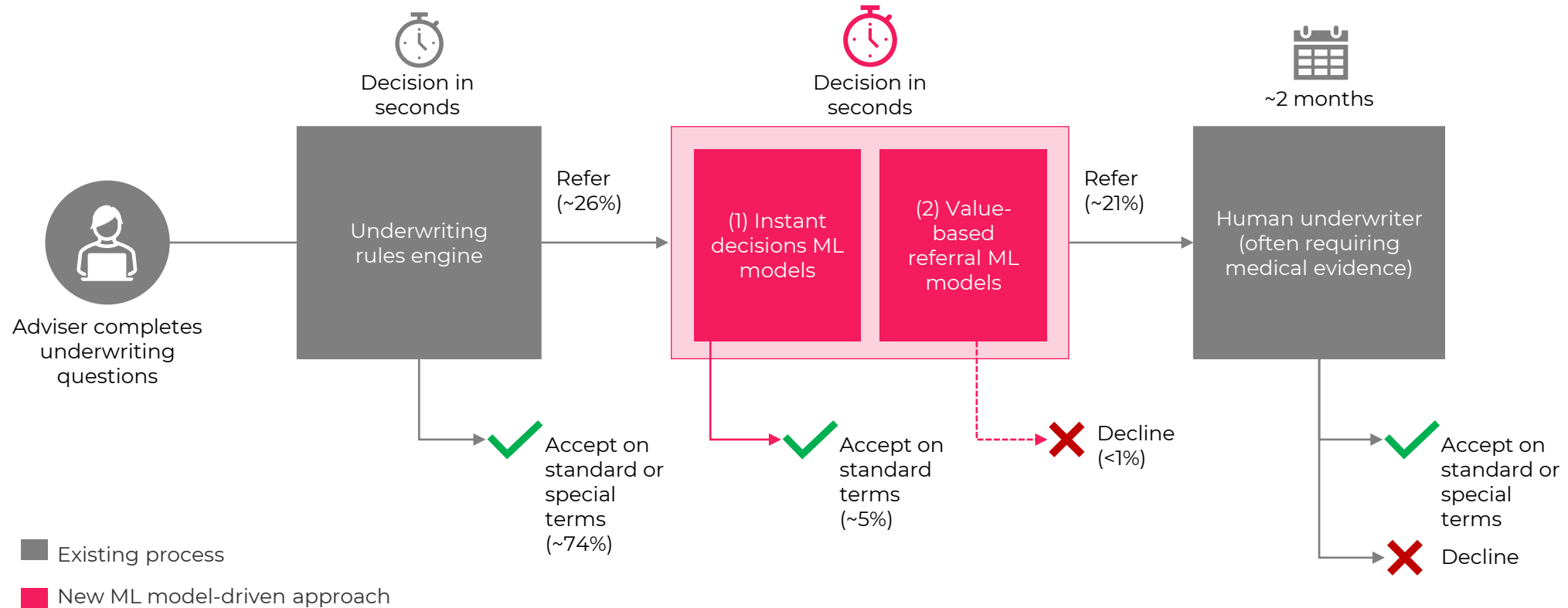
**Our partnership with Quantum is proving to be fruitful,  
with exciting applications emerging across the value chain**



# Vitality UK: Model driven Instant underwriting



- 1 Decision the lowest risk cases straight through**
- 2 Facilitate sophisticated decisions on investment of underwriting resources**



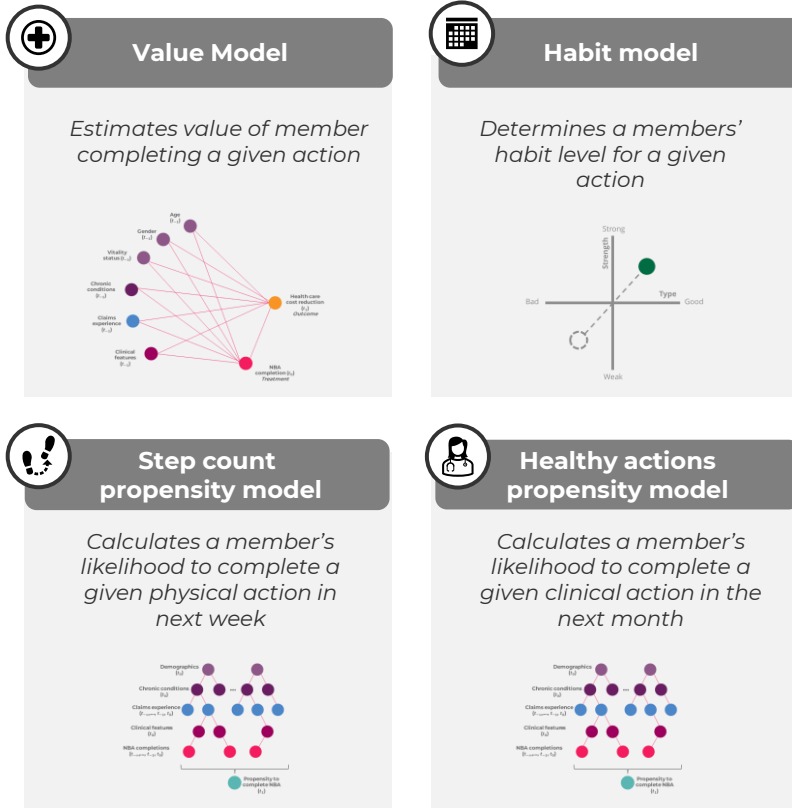
**~5% increase in straight-through processing**  
**~20% reduction in referrals**



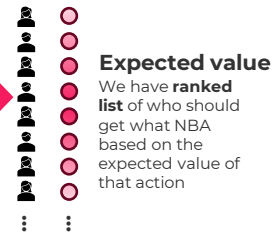
# Discovery Health SA: recommending personalised healthy actions to members with chronic conditions



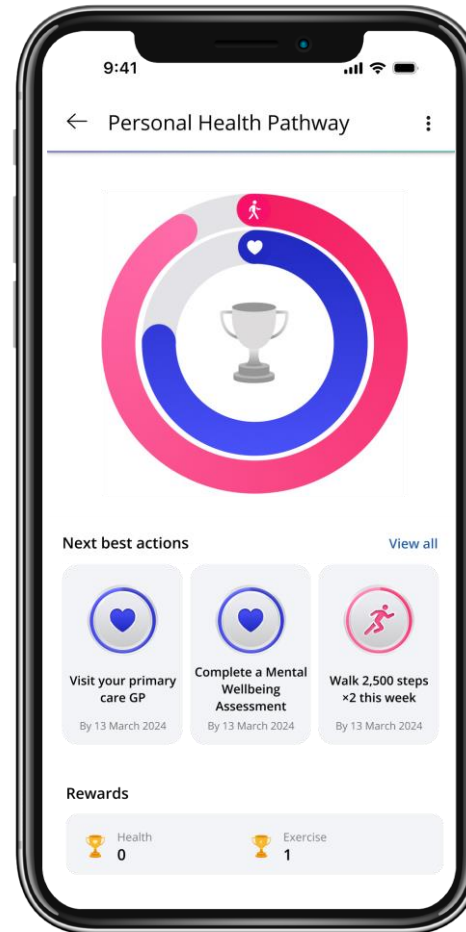
4 models were built for the personalisation of recommendations on Q.AI



Creates ranked EV

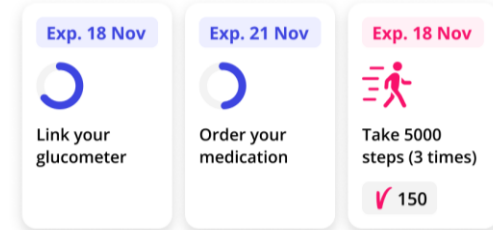


Next best action recommendations

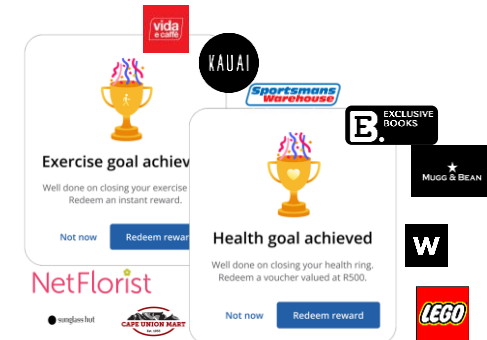


Personalised **clinical and exercise** next best actions to improve health

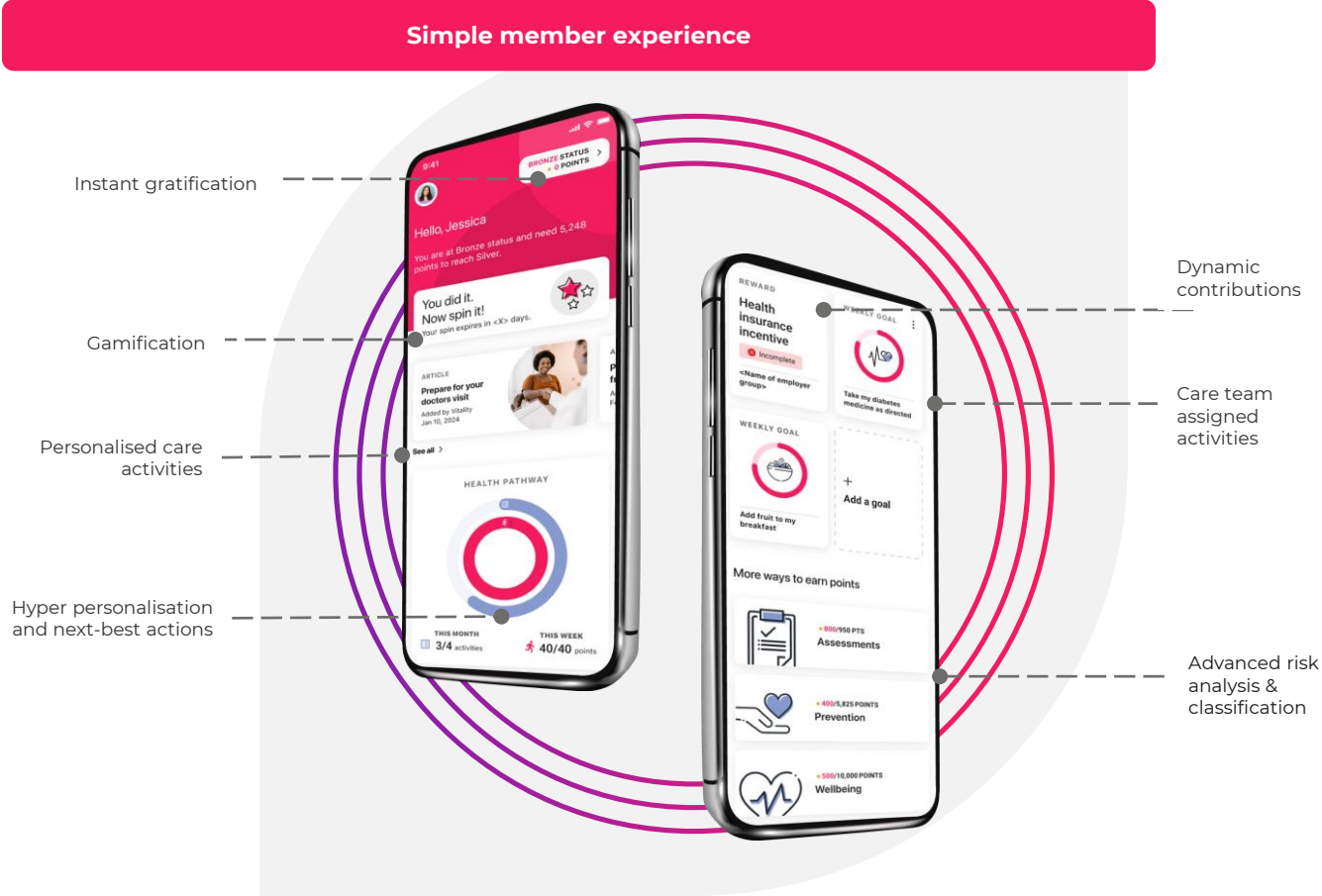
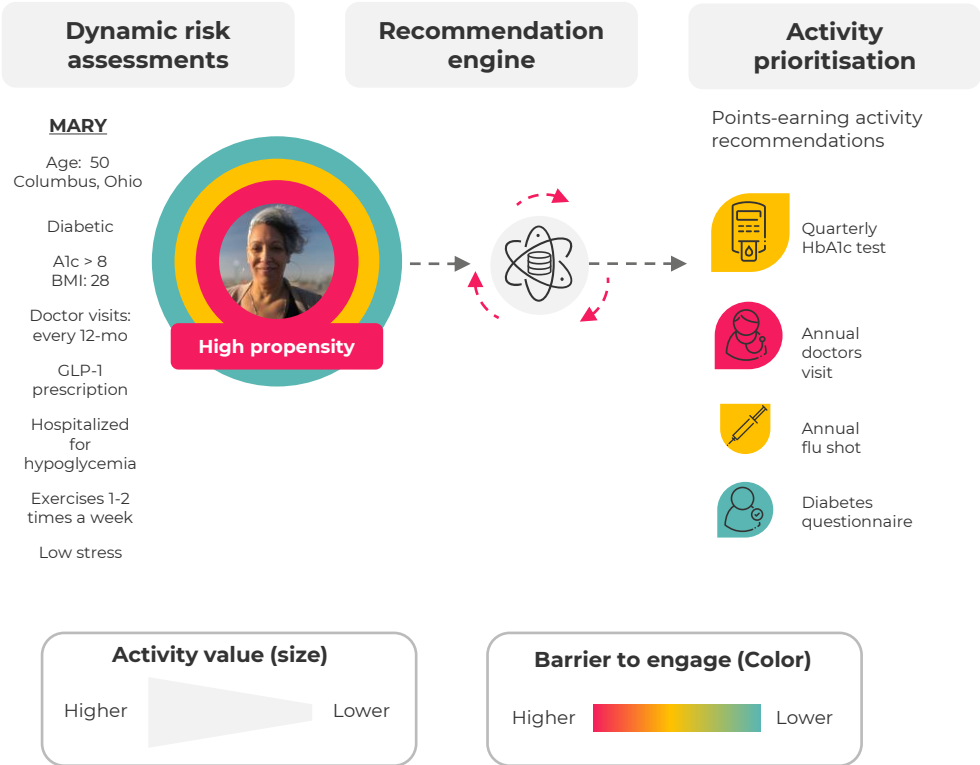
Recommended  
**Next Best Action**



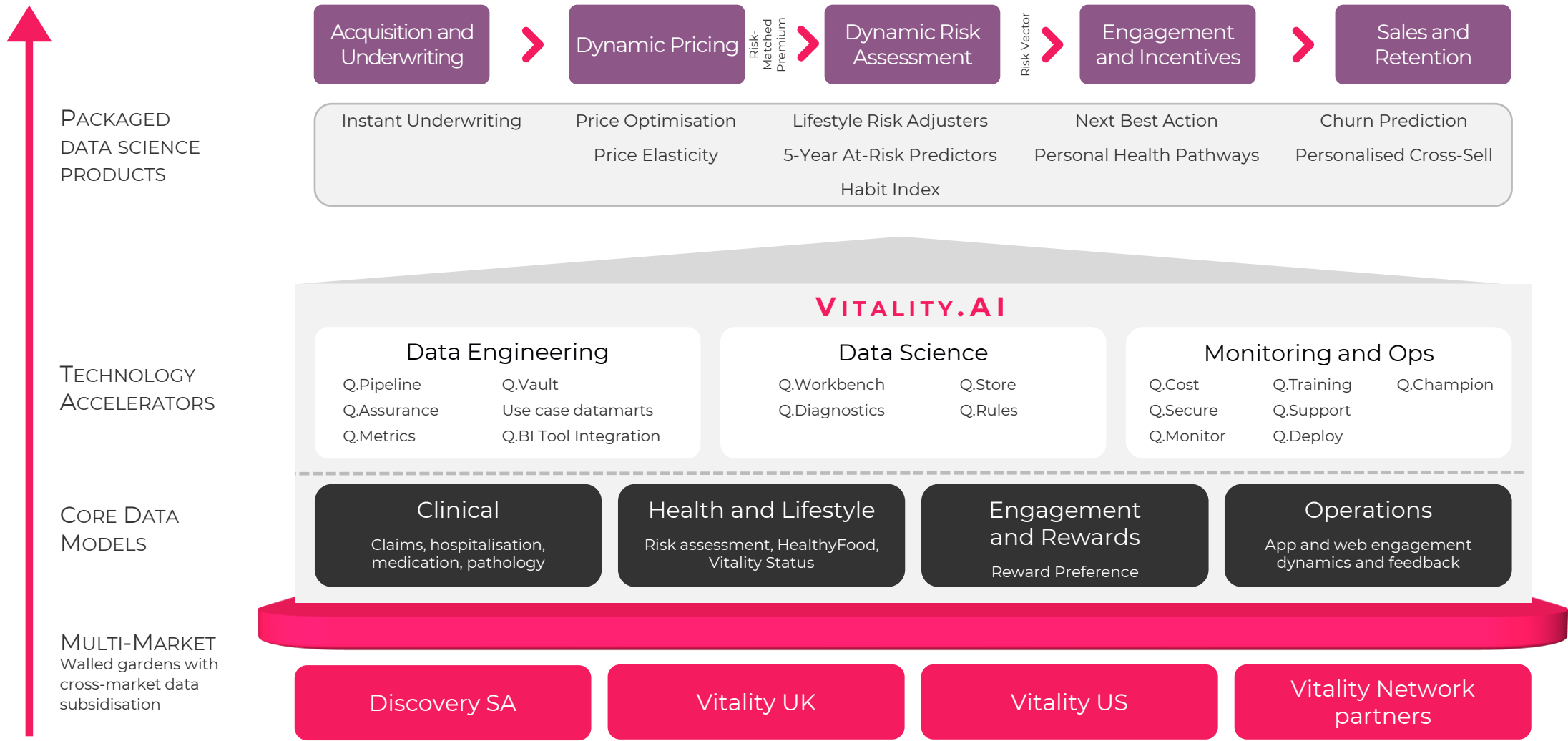
Personalised, Gamified rewards



# Vitality US: leveraging global models to deliver a more personalised health engagement platform with deeper disease management integration



# Our vision: create a global data science ecosystem, with transferable models and capabilities enabling hyper-personalisation at scale



Examples only – not exhaustive.

# Quick Assist helps managers prioritise areas for improvement

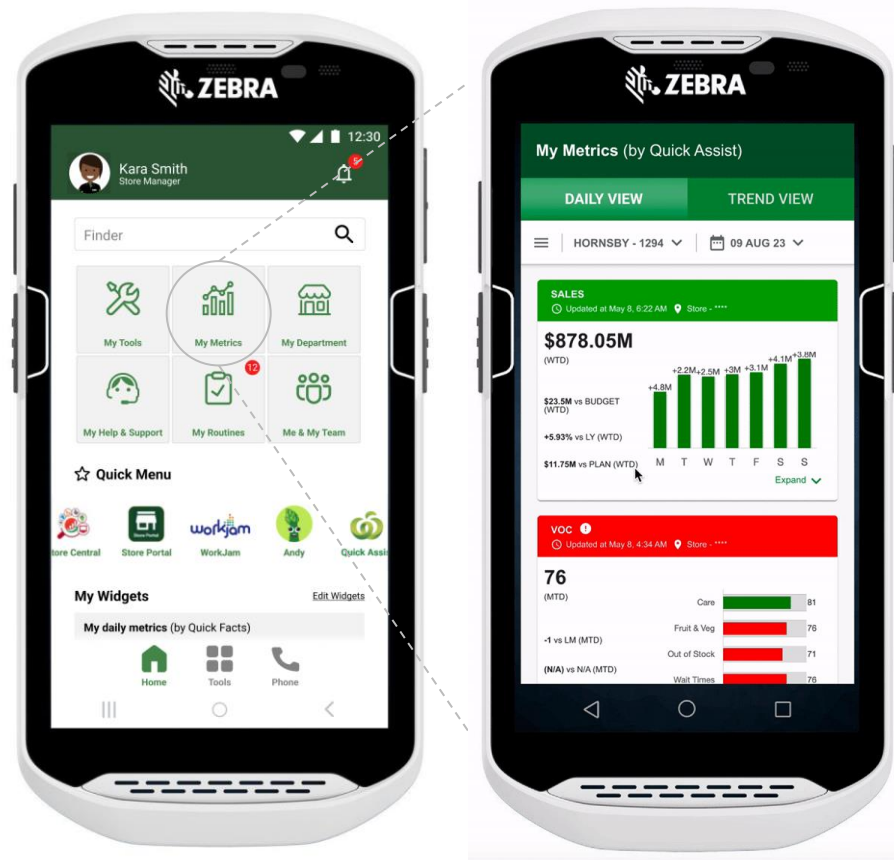
## Before Quick assist

- **16,000+ hours** / week across 1,000 stores
- **600+ dashboards**
- **4,000+ process documents**
- **~5,000 Voice of Customer** comments per month

## With Quick assist (GenAI)

- **Key insights summarised in natural language**
- **Action areas prioritised and highlighted**
- **Required procedures to remedy identified**
- **Customer issues extracted and summarised**

“Everything needed to do my job is in **ONE** place”



# How GenAI can create value in insurance | examples

## Decision-making support

- Automated underwriting
- Scenario analysis
- Financial performance analysis



## Sales and retention

- Agent training
- Customised retention messaging
- Voice of Customer/Broker/Agent



## Operational efficiency

- Servicing and Claims operations
- Claims validity and fraud detection
- Automation of customer-facing documents



## Risk and compliance management

- Compliance breach identification
- Audit of vulnerabilities
- Automation of reporting to regulators, management



## Product and service innovation

- Product selection support
- Digital assistants (knowledge management)
- New products and services (e.g., robo-advisory)



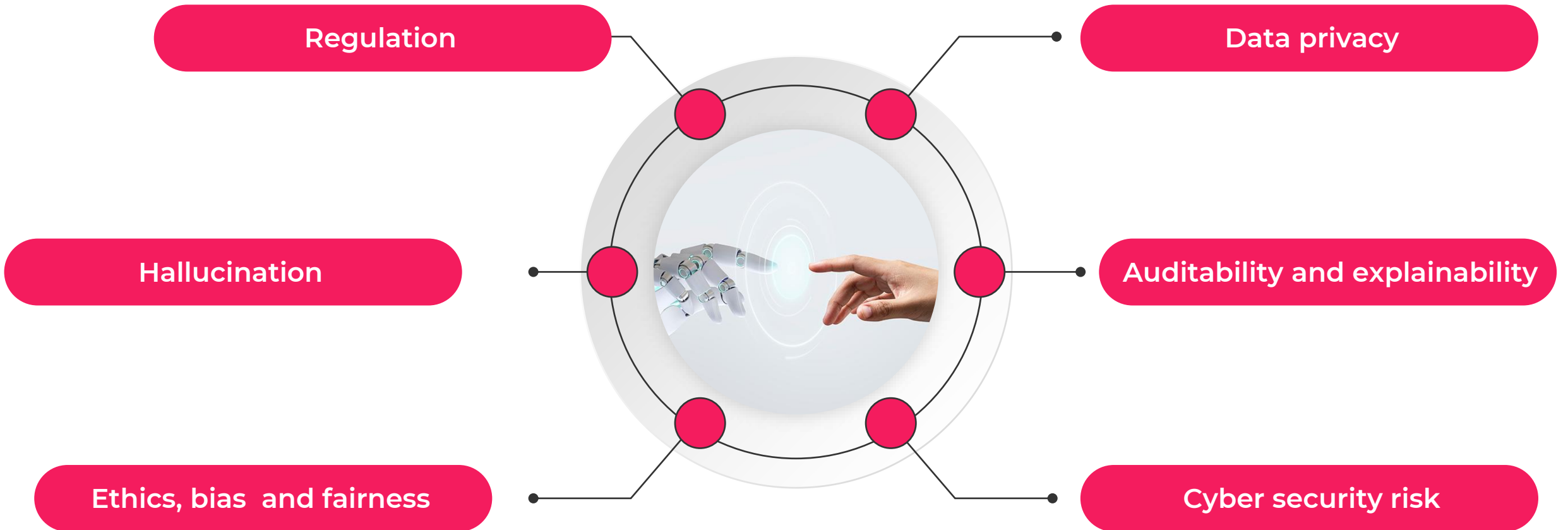
## Human resource management

- Recruitment (e.g. analysing attributes of best agents)
- Onboarding for new agents
- Performance coaching



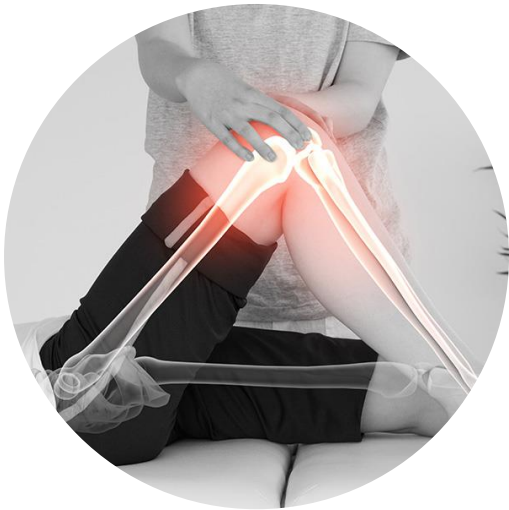
*Not comprehensive*

# Challenges of GenAI in Enterprise



# Example of GenAI in practice | Call centre support

How many more physio visits will you pay for?



Does your policy cover physio?

If so, how many claims payable in any year?

How many claims have you made this year?

What conditions must you satisfy first?



## Challenges



Policy detail



Customer detail

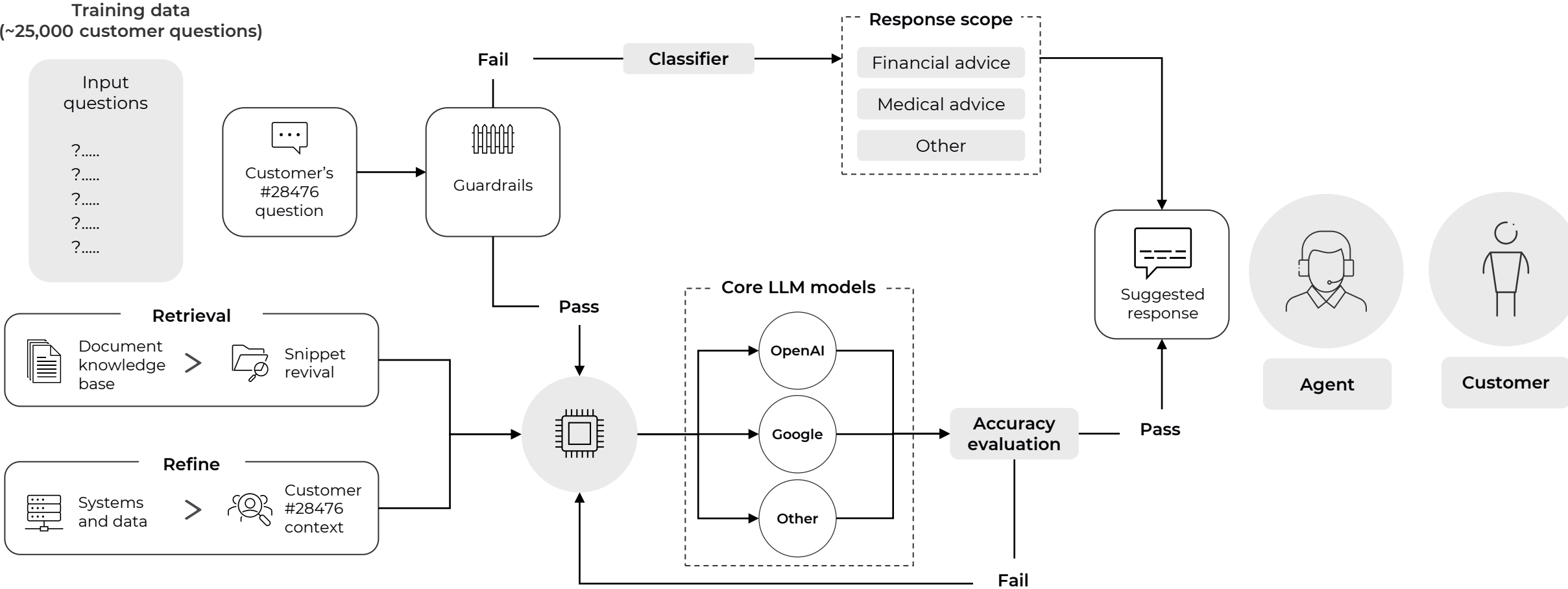


Transactional history



Application of policy rules

# Example architecture and control process



## Continuous improvement

- 01 Question density
- 02 Guardrail
- 03 Accuracy
- 04 Cust/agent feedback
- 05 Cost management



# Key observations on GenAI implementation... so far!

- Easy to get it working and equally easy to get it wrong
- Still a data science problem: all the same principles apply
- Quality is manageable, but only with appropriate controls
- Healthy tension between short-term impact and long-term architecture
- Costs can rise exponentially: careful solution architecture required
- Technology is developing rapidly: stay flexible

# THANK YOU

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