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THE BOSTON CONSULTING GROUP



RETAILERS ASSOCIATION OF INDIA



# Decoding the Digital Opportunity in Retail

February 2017



## About BCG

The Boston Consulting Group (BCG) is a global management consulting firm and the world's leading advisor on business strategy. We partner with clients from the private, public and not-for-profit sectors in all regions to identify their highest-value opportunities, address their most critical challenges and transform their enterprises. Our customized approach combines deep insight into the dynamics of companies and markets with close collaboration at all levels of the client organization. This ensures that our clients achieve sustainable competitive advantage, build more capable organizations and secure lasting results. Founded in 1963, BCG is a private company with 85 offices in 48 countries. For more information, please visit [bcg.com](http://bcg.com).

## About RAI

Retailers Association of India (RAI) is the unified voice of Indian retailers. RAI works with all the stakeholders for creating the right environment for the growth of the modern retail industry in India. It is a strong advocate for retailing in India and works with all levels of government and stakeholders with the aim to support employment growth and career opportunities in retail, to promote and sustain retail investments in communities from coast-to-coast and to enhance consumer choice and industry competitiveness. For more information, please visit [rai.net.in](http://rai.net.in).

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Go to basket  
Checkout

1234 5678 9010 1112  
1314 1516 1718 1920  
2122 2324 2526 2728  
2930 3132 3334 3536  
3738 3940 4142 4344  
4546 4748 4950 5152  
5354 5556 5758 5960  
6162 6364 6566 6768  
6970 7172 7374 7576  
7778 7980 8182 8384  
8586 8788 8990 9192  
9394 9596 9798 9900  
CURRENT NAME  
DAVID J. SMITH  
Credit Card

# Foreword

The growth in digital adoption has been rapid and is likely to continue to grow at an exponential pace. Whilst there are a set of well-known facts about the Indian digital growth story, we believe that what is commonly understood in terms of how consumers behave digitally is just the tip of the iceberg. We would like to share some of our perspectives on the opportunity (size and shape), secular trends that we expect will play out over the next few years and some lesser known facts about digital behavior of the Indian consumers. In this new reality, retailers need to re-imagine and re-engineer their business models to win.

In this context, the Retailers Association of India (RAI) and The Boston Consulting Group (BCG), have attempted to decode the digital opportunity and distill implications for retailers. In order to write this report, we have leveraged proprietary data and research that The Boston Consulting Group has carried out in India. We hope you find this report interesting and informative for your businesses.



**Kumar Rajagopalan**  
CEO, Retailers Association  
of India (RAI)



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*Senior Partner and Director,*  
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The New Reality  
**Understanding the Digital Consumer**



# Understanding the digital consumer

## SOME WELL KNOWN FACTS ABOUT DIGITAL IN INDIA



Internet users in India are growing rapidly; faster adoption than other media sources



Infrastructure is catching up and catalyzing this shift



Mobile is the 'go-to-device' across all online activities

## BUT THAT IS JUST THE TIP OF THE ICEBERG, SOME LESSER KNOWN FACTS ABOUT DIGITAL IN INDIA



The digital consumer goes beyond the stereotype of age, gender, income and location



Digital usage is 'omnipresent' in the life of a consumer today



The online behavior of each consumer is unique – Need to think in terms of many (hundreds) segments

1

3





## 2

### THREE SECULAR TRENDS THAT ARE SHAPING THE OPPORTUNITY



'Digital age' is the single largest determinant of online behavior



Digital commerce is rising at a rapid pace, however, digital influence is a far more pervasive force

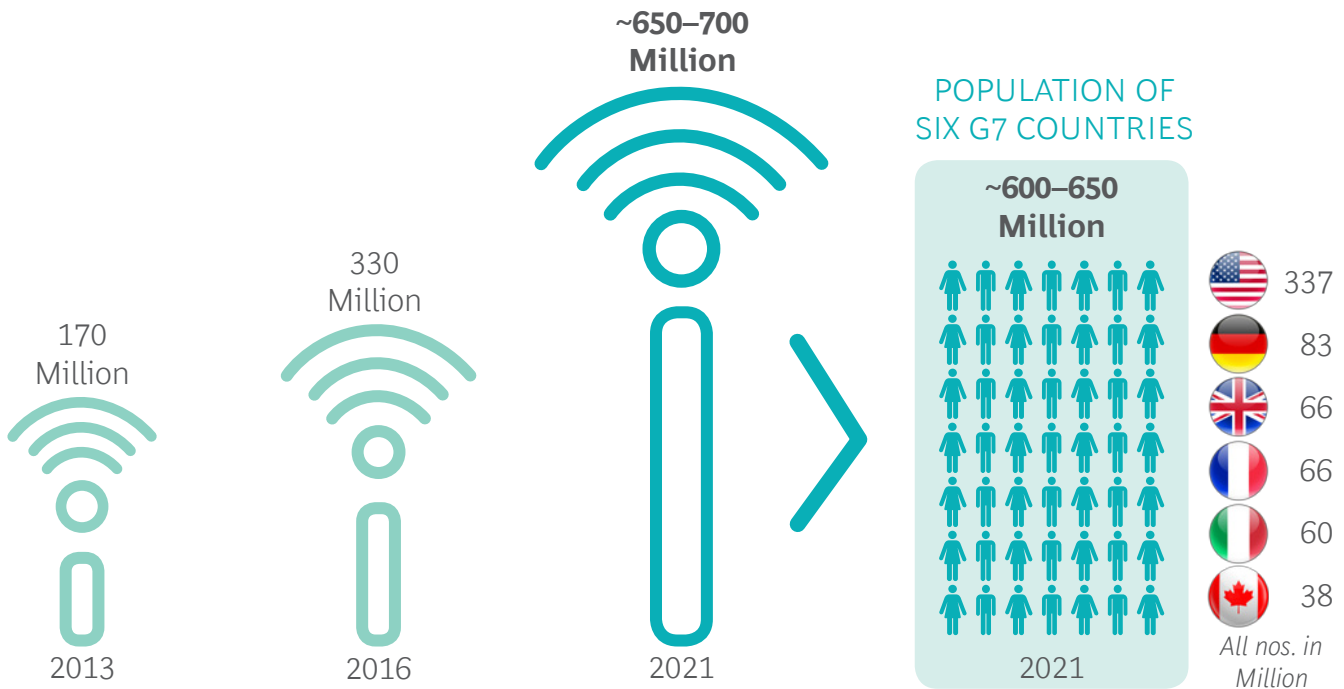


Importance of 'non-price drivers' as determinants of choice for online shopping is rising

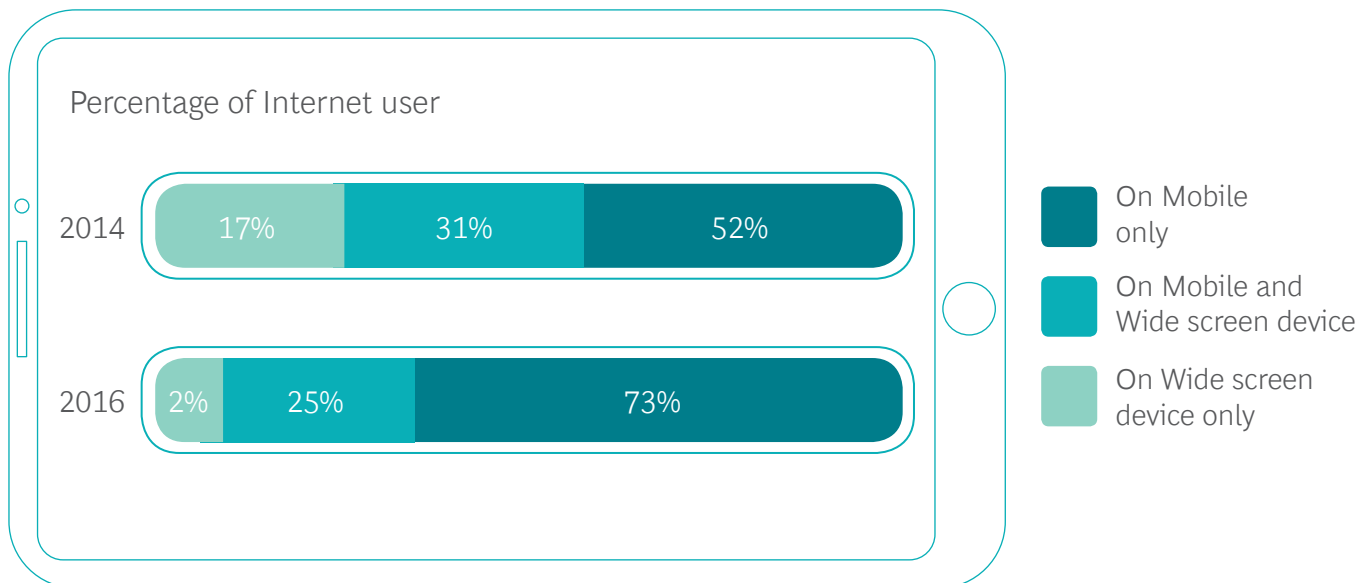
## 1. SOME WELL KNOWN FACTS

# By 2021, India will have more internet users than the entire population of six G7 countries

### NO. OF INTERNET USERS IN INDIA



### MOBILE INCREASINGLY BECOMING THE MOST PREFERRED DEVICE FOR ACCESSING INTERNET



Wide screen device include Tablet, Desktop, Laptop etc.  
 Source: BCG CCI Digital Influence Study, EIU, BCG Analysis.

# Progress on infrastructure has catalyzed this change

## FALLING PHONE PRICES

Smartphone ASPs fell by upto ~50% between 2011 and 2015

## REDUCING DATA CHARGES

3G data rates have fallen from over 175 INR/ GB to 51 INR/ GB over the last year and are expected to fall further



## RISING SMARTPHONE PENETRATION

Increased from 3% to ~30% in the past 5 years



## GROWING FIBER OPTIC NETWORK

Under the BharatNet project, Government plans to cover all 2.5 lakh Gram Panchayats by Fiber Optic network, of which 68,000 have been covered in the last 4 years



## RISING INTERNET SPEEDS

Internet speeds have risen more than 4x in 5 years



## 2. SECULAR TRENDS

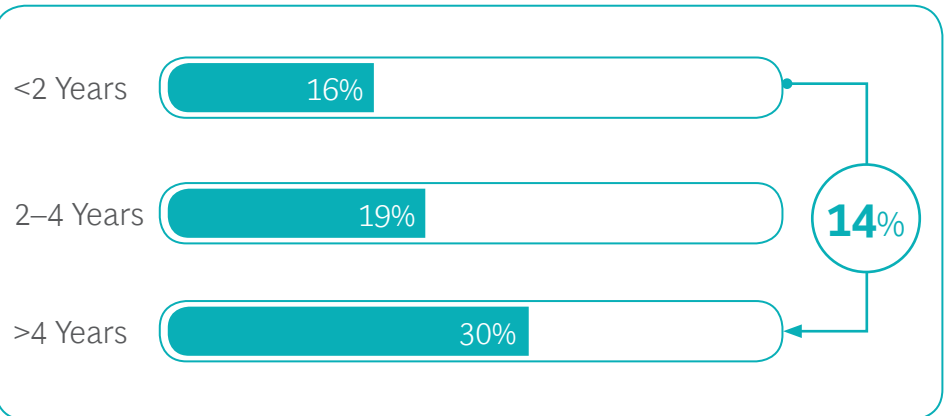
# The biggest determinant of online behavior is digital age

Digital age and not demographics (age, income, city tier) is the biggest driver of online behavior

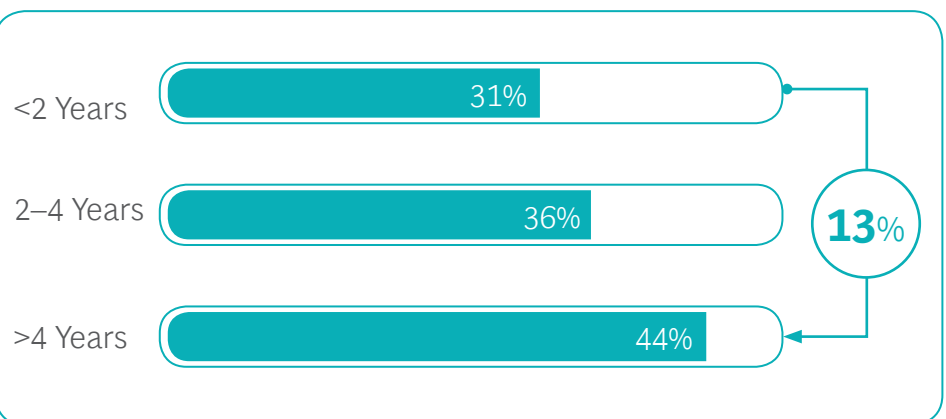


ONLINE BANKING

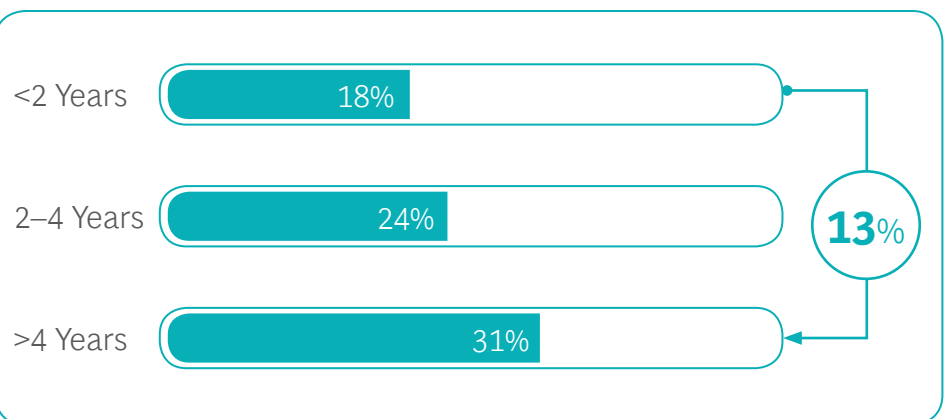
Percentage of Users<sup>1</sup>



ONLINE TICKET PURCHASE

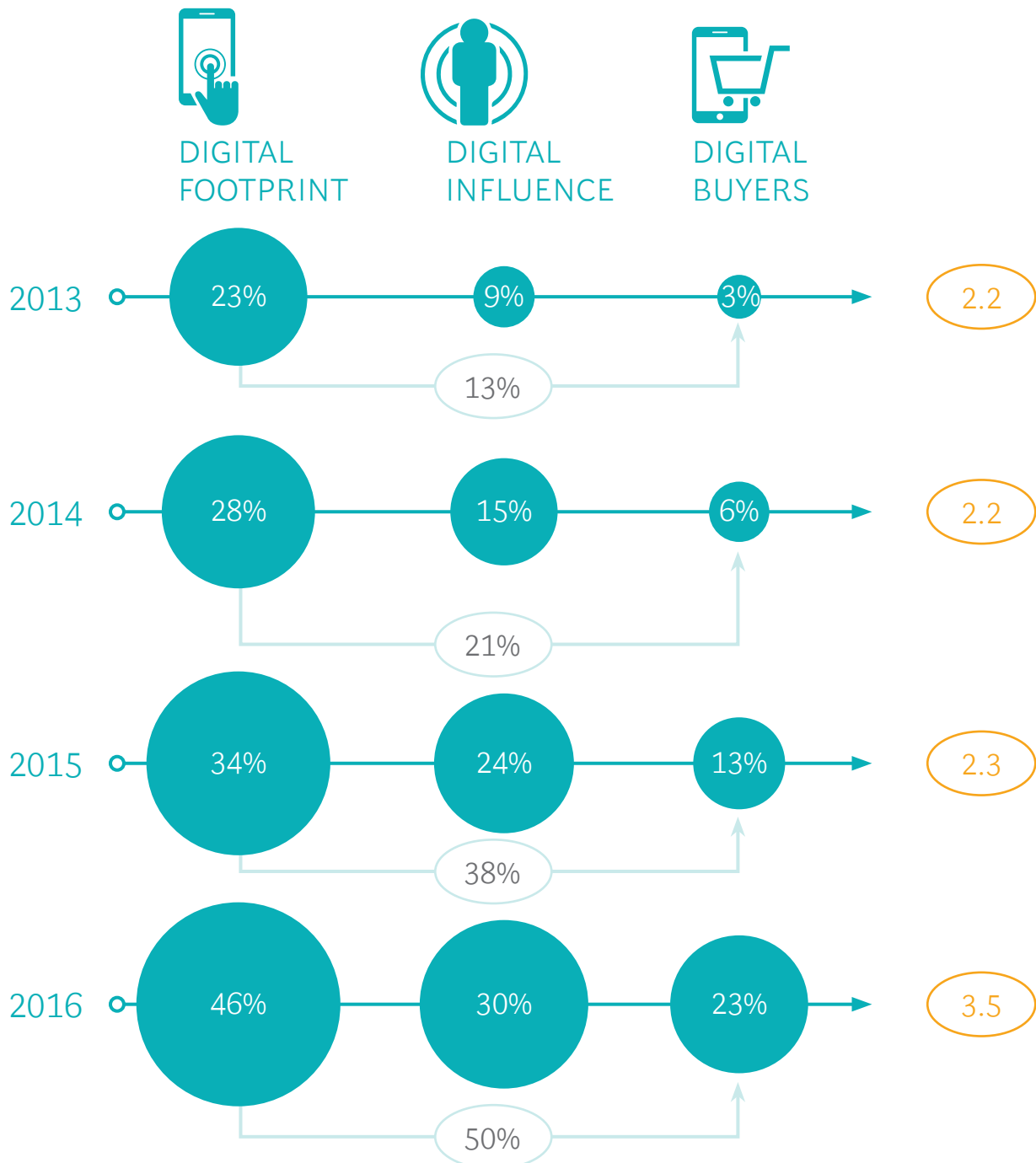


ONLINE GAMING



1. Percentage of urban internet users who carry out the particular activity online.  
Source: BCG CCI Digital Influence Study, BCG Analysis.

# Digital influence and digital commerce increasing at a rapid pace



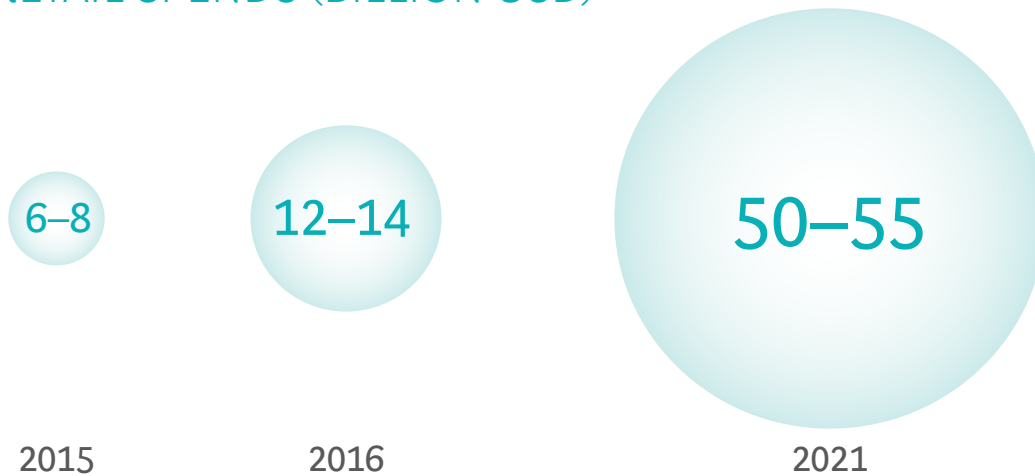
Digital influence is defined as the use of internet for conducting pre-purchase, purchase and post-purchase activities.  
 Source: BCG CCI Digital Influence Study 2013,2014,2015,2016 analysis (N=18,000 per year); Data among Urban consumers.

## 2. SECULAR TRENDS

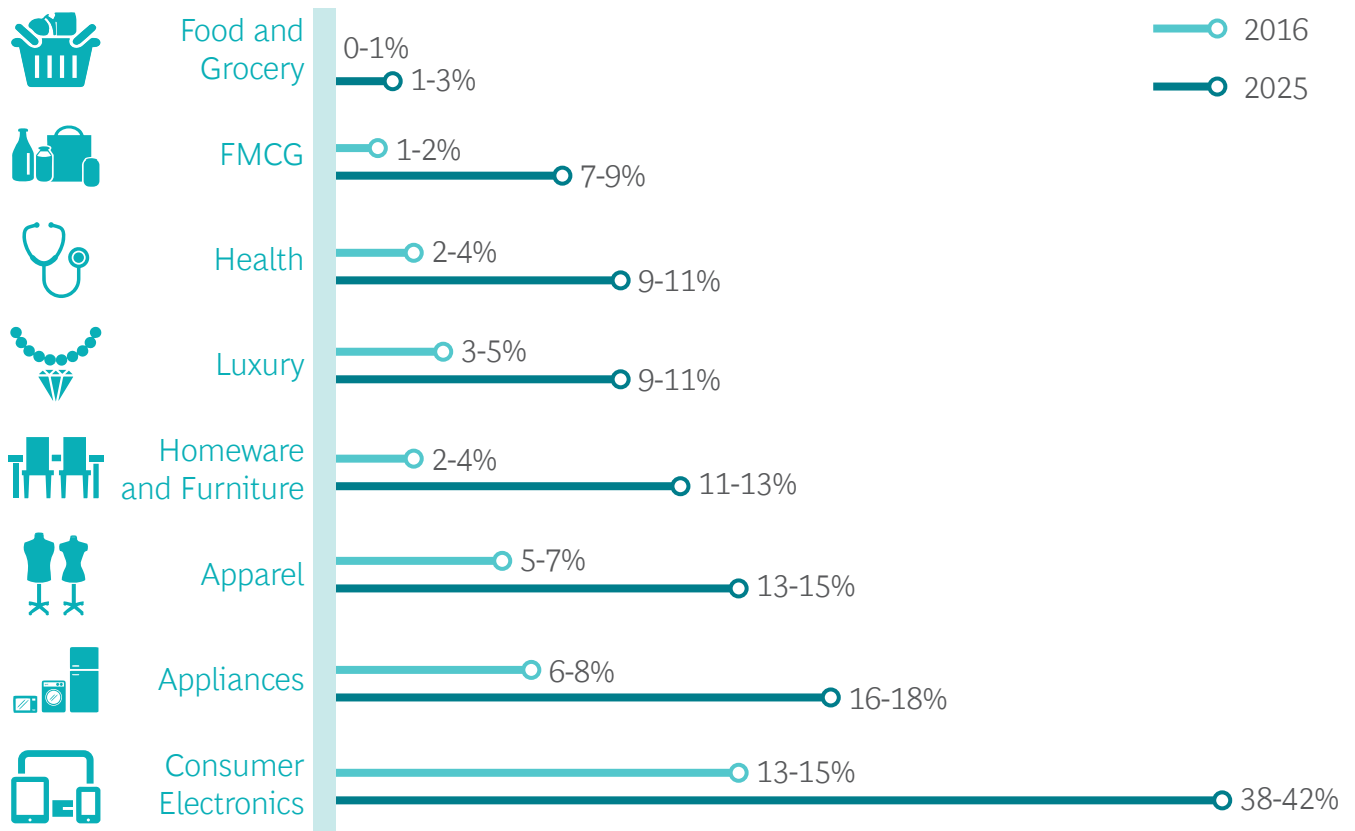
# E-commerce expected to be 50–55 Billion USD by 2021

E-commerce could become a significant channel across many categories

### ONLINE RETAIL SPENDS (BILLION USD)



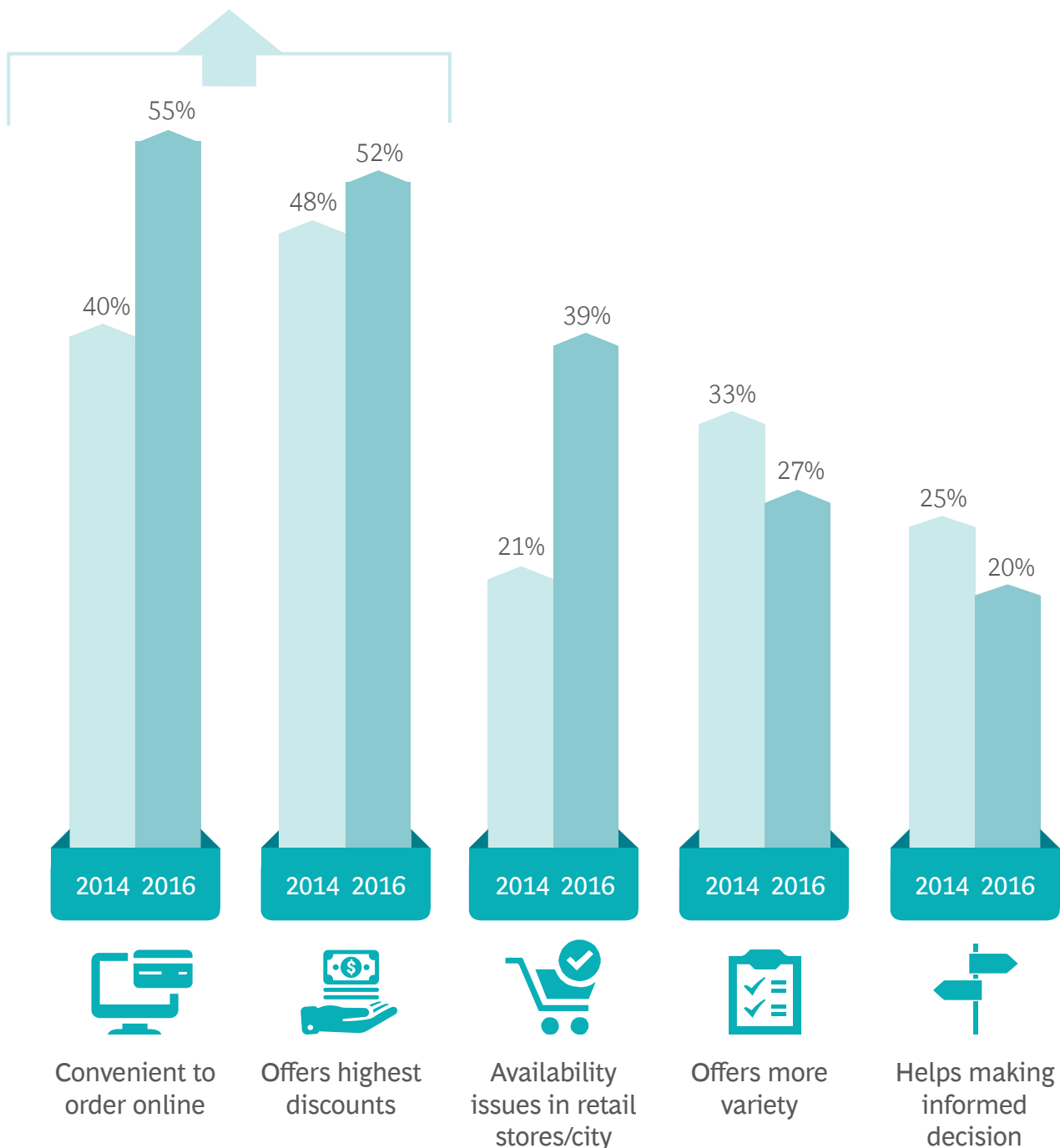
### PERCENTAGE PENETRATION OF E-COMMERCE



*E-commerce values are total annual sales, net of returns / discounts, for physical goods sold. It does not include services like travel / banking insurance etc. All estimates are at constant currency USD = 68 INR.*

# Importance of 'non-price' drivers for buying online continuing to rise

CONVENIENCE HAS OVERTAKEN DISCOUNTS AS THE KEY DRIVER OF BUYING ONLINE



Source: BCG CCI Digital Influence Study 2014, 2016 BCG analysis (N=18,000 per year).

### 3. SOME LESSER KNOWN FACTS

# Digital is all pervasive – goes well beyond stereotypes



DIGITAL CONSUMER GOES WELL BEYOND THE STEREOTYPE

NOT A SMALL, TARGETED OPPORTUNITY

People who we think use internet in India...

YOUNG (<25 YEARS)



... but many others beyond the stereotype are online

NOT SO YOUNG (35+ YEARS)



NOT SURPRISINGLY, DIGITAL ADOPTION HAS ACCELERATED IN “CONVENTIONAL” DIGITAL CONSUMERS...

Social media adoption

YOUNG (<25 YEARS)



E-commerce adoption



... HOWEVER, ADOPTION BEYOND THE “STEREOTYPE” USER BASE HAS SEEN A SIGNIFICANT UPTAKE

Social media adoption

NOT SO YOUNG (35+ YEARS)



E-commerce adoption

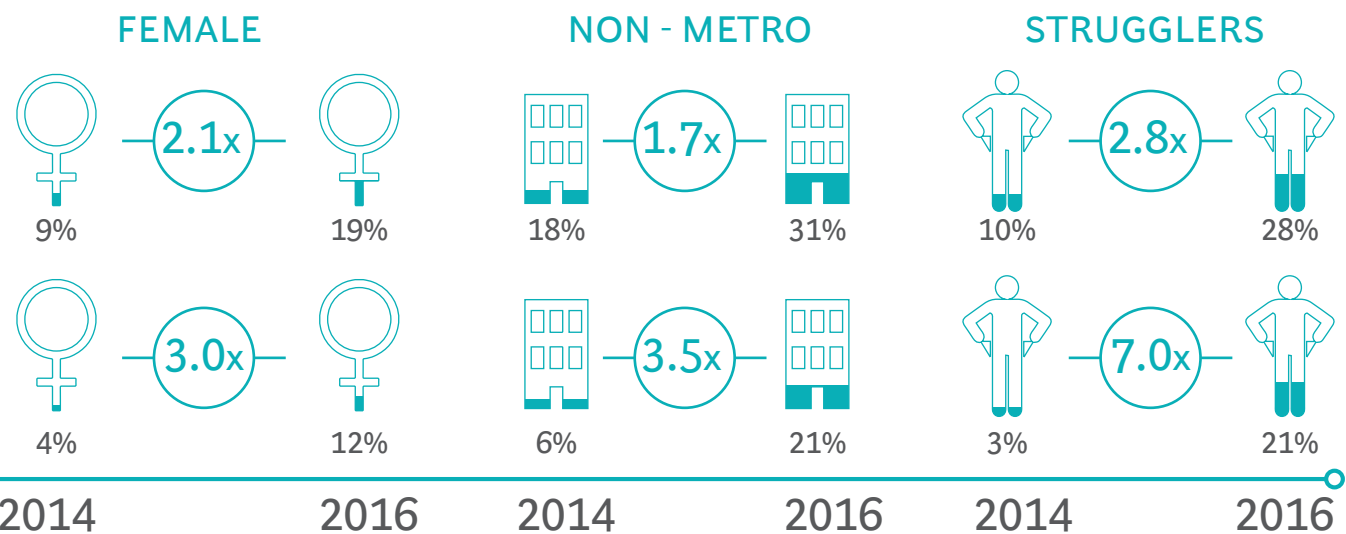
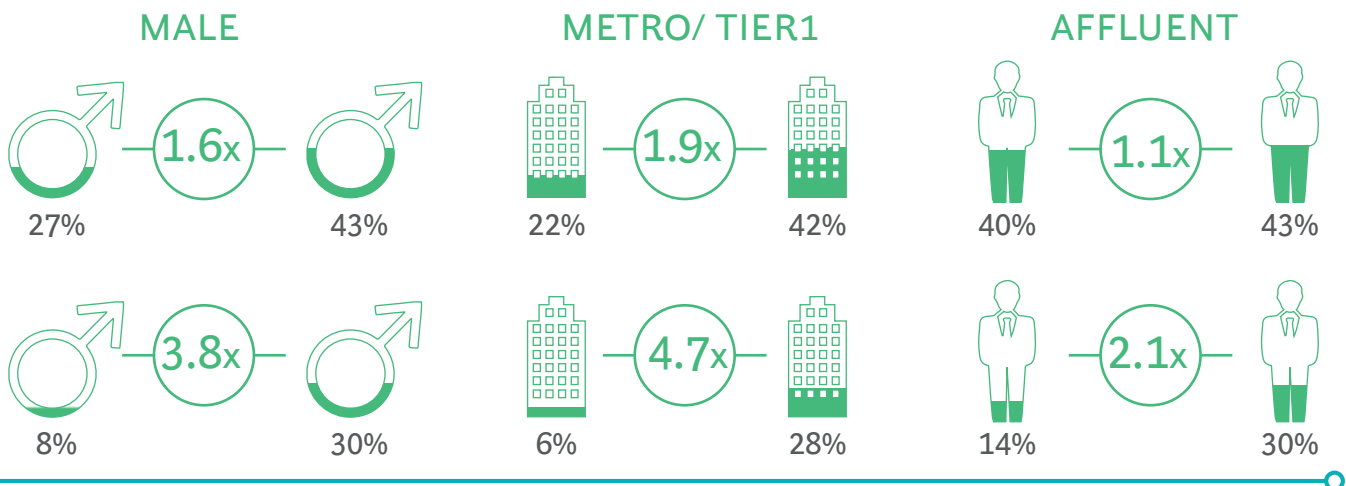
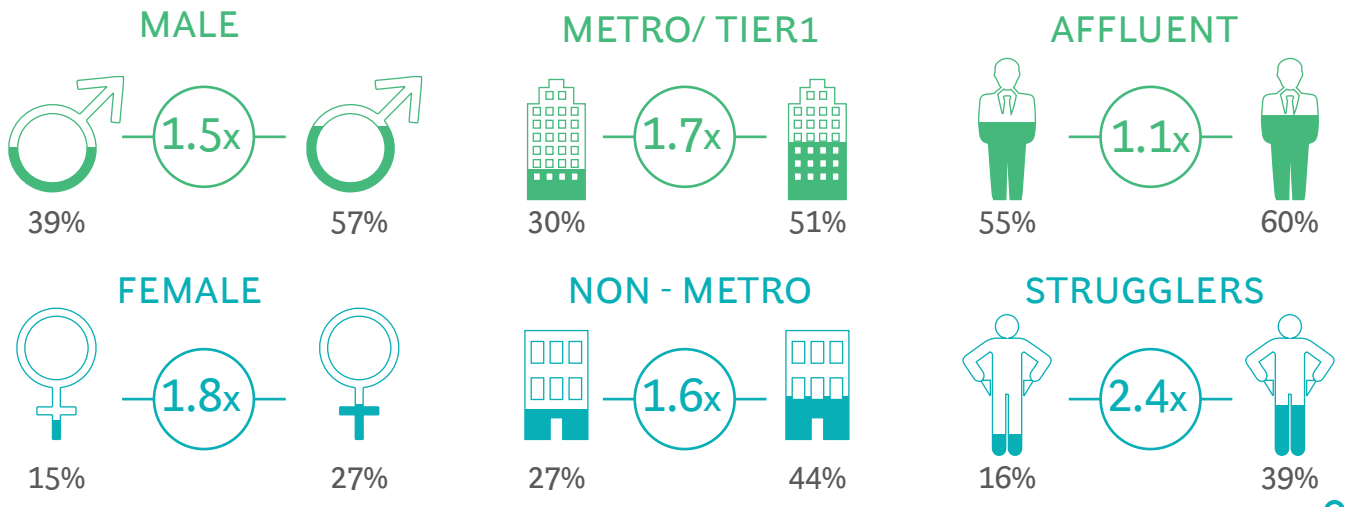


2014

2016

Percentage of population accessing internet online or carrying out a particular activity. Social media adoption is for urban users. Source: BCG Buzz to Bucks study 2014, 2016.

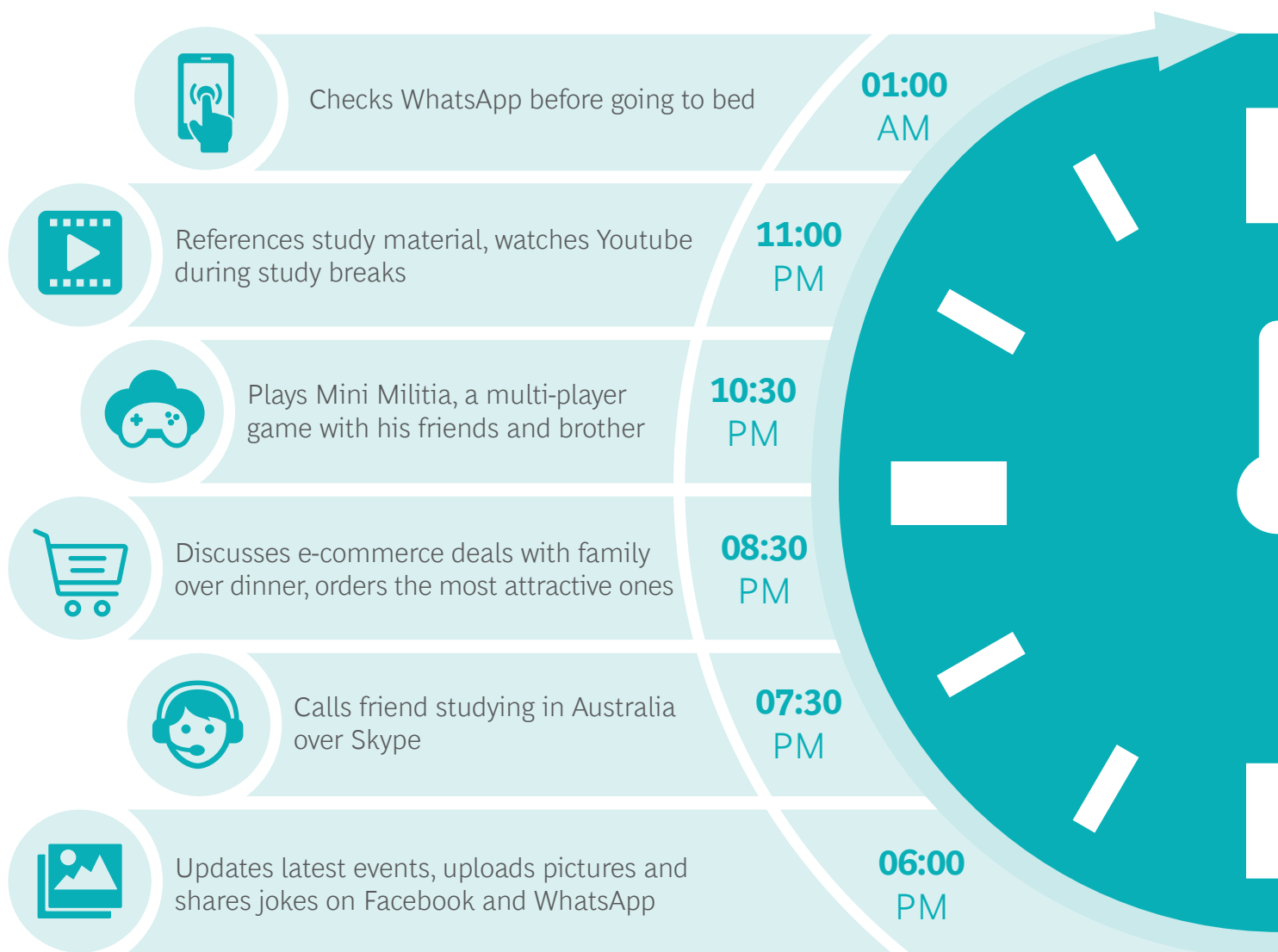




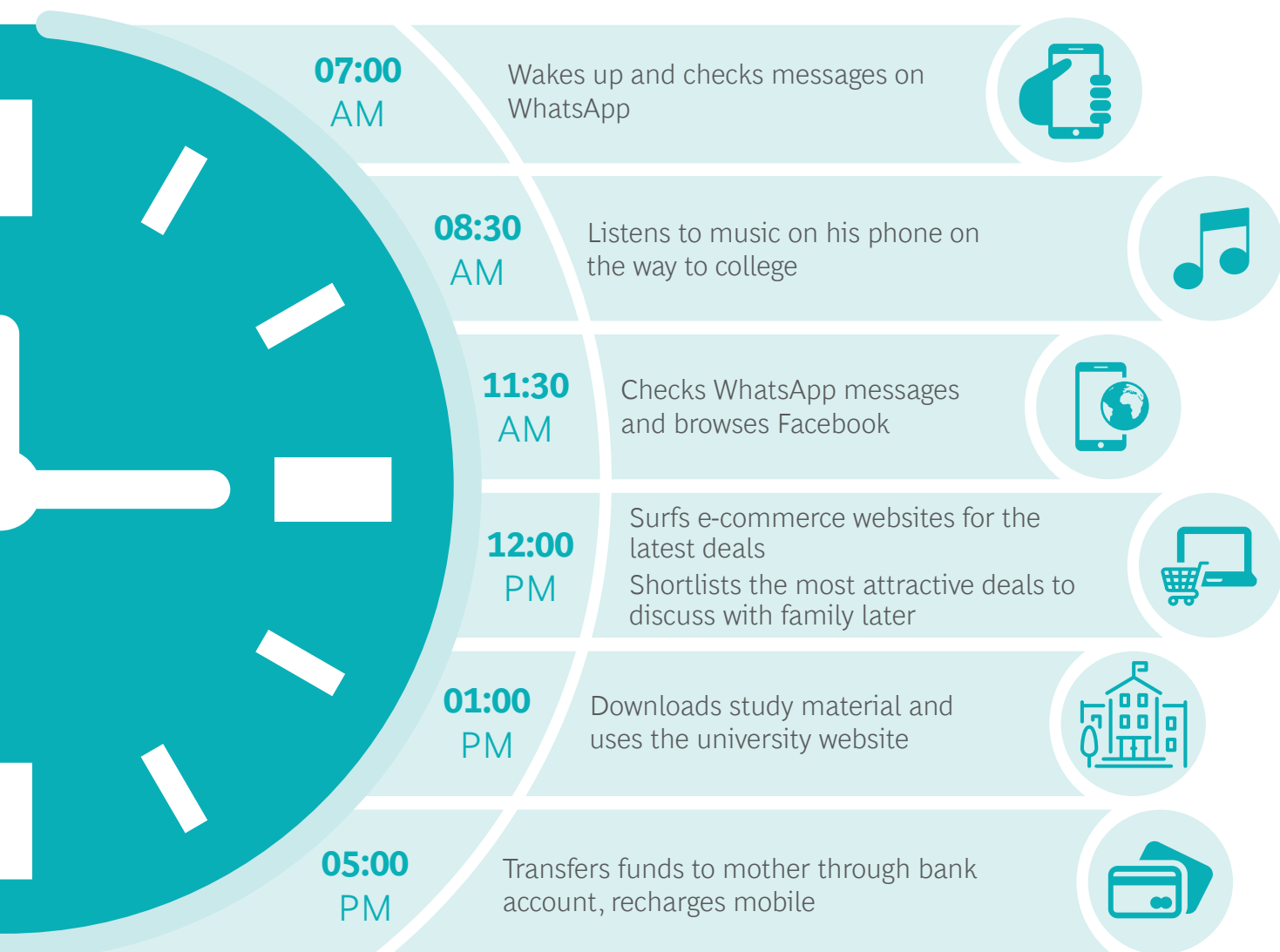
### 3. SOME LESSER KNOWN FACTS

# This digital usage has no ‘time slot’ in user’s life – it is omnipresent!

## A DAY OF AN INDIAN INTERNET USER

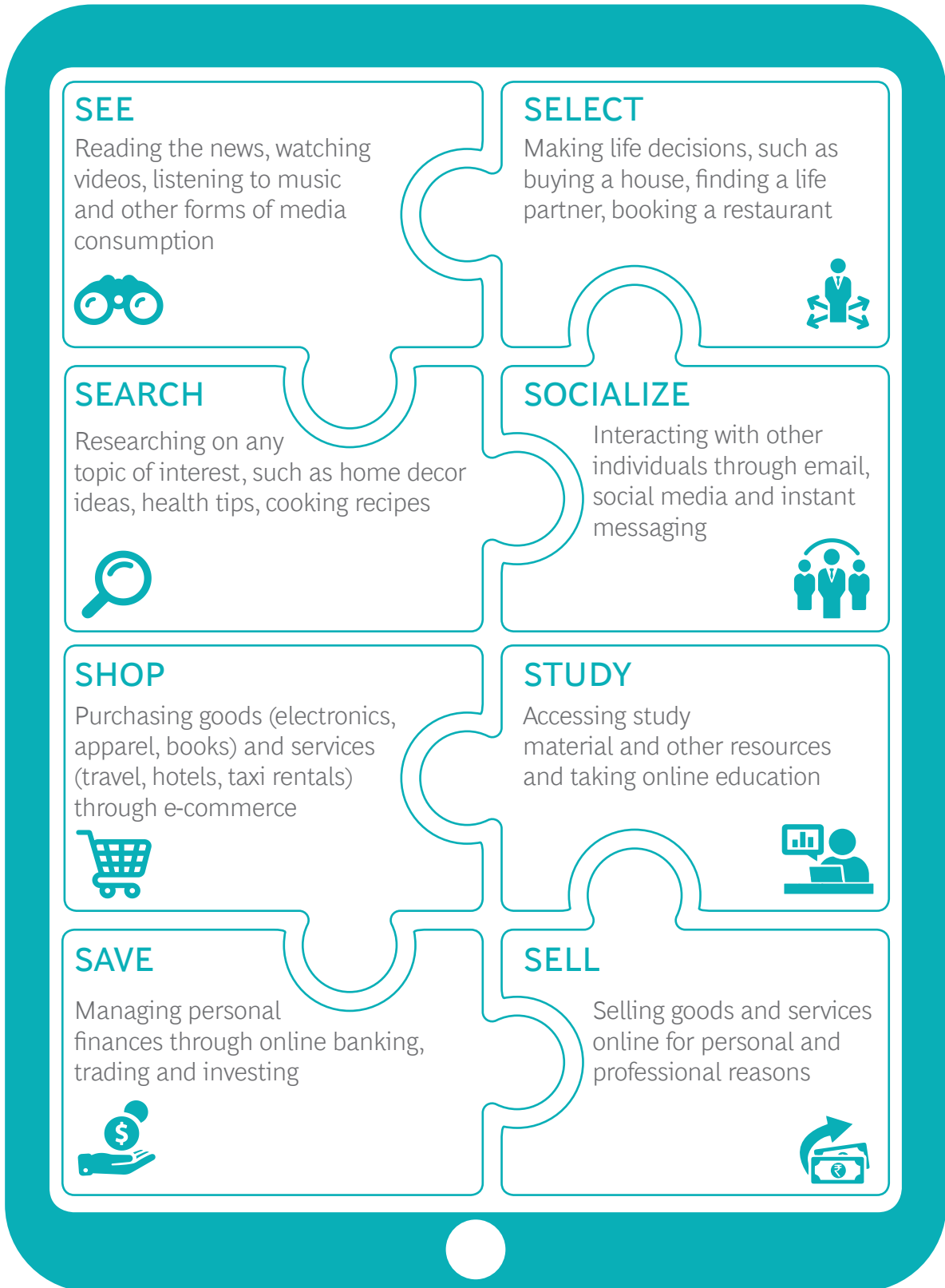


Source: BCG consumer immersion surveys 2016.

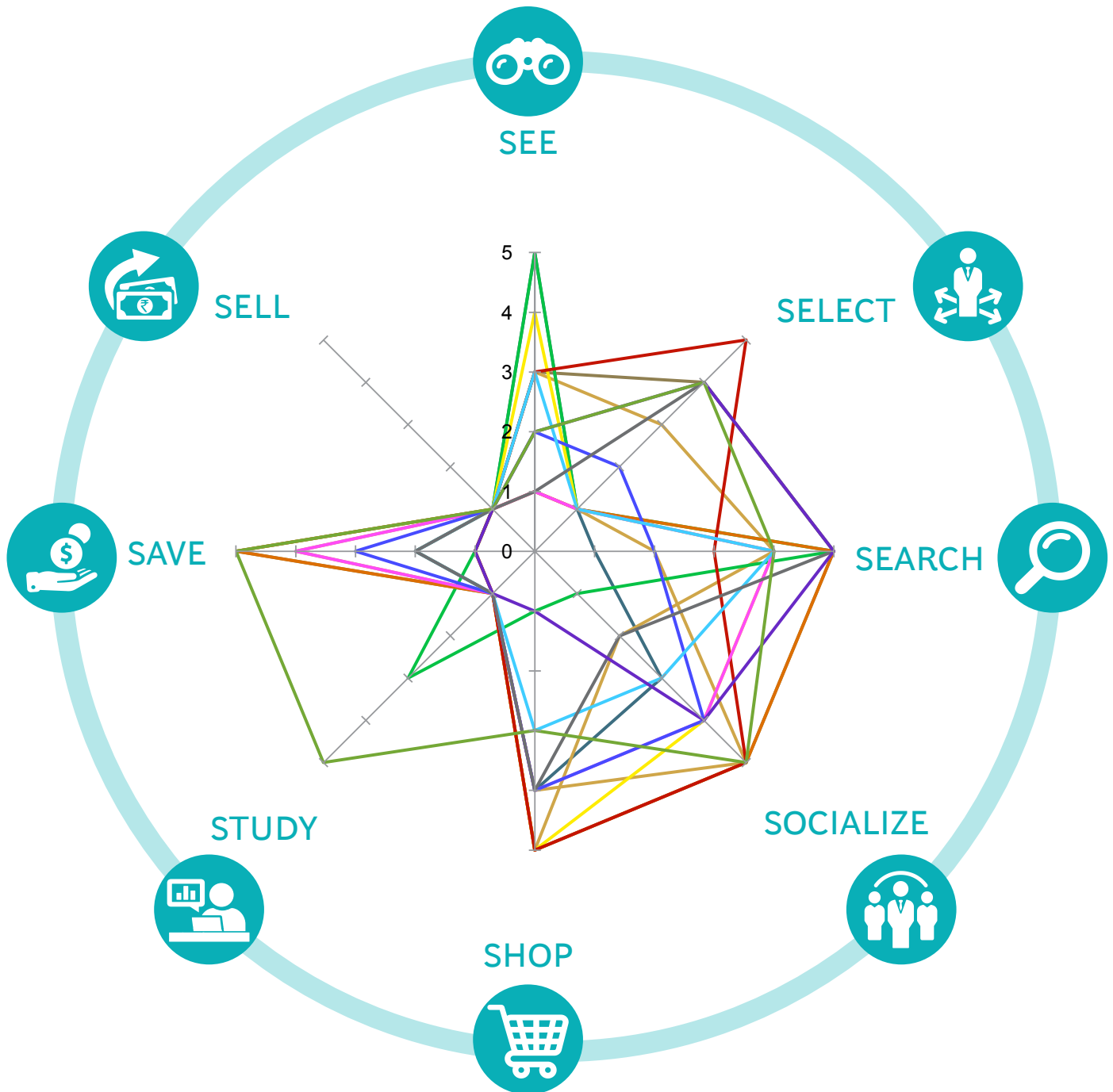


### 3. SOME LESSER KNOWN FACTS

# Digital consumer broadly spends time on 'eight' activities online



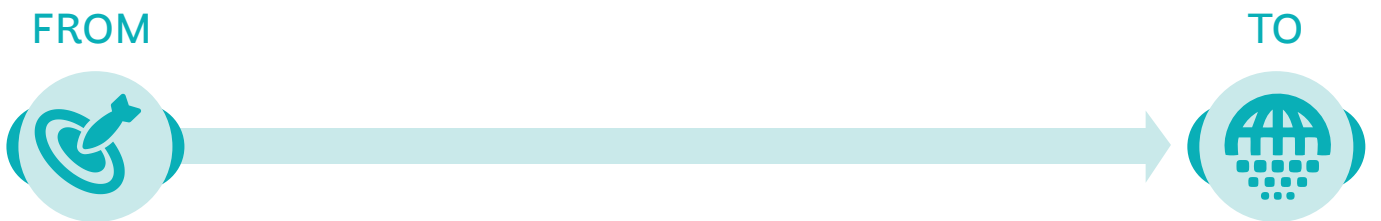
# 'Each' digital consumer displays a distinct behavior online



— Each line represents the activity map of a sample online user

### 3. SOME LESSER KNOWN FACTS

# Implication: New segmentation possibilities, enabling predictive and customized targeting



## MASS TARGETING

A “handful” of segments....

- Limited data availability
- Demographic data based segmentation

## MICRO SEGMENTATION

“Many” (hundred) segments using



### PERSONALIZED PRODUCT OFFERING

Shirt recommendations based on previous browsing history, purchases, “likes” on social media (Facebook/ Instagram), usage and latest trends...



### PERSONALIZED COMMUNICATION AND PROMOTIONS

Targeted contextual promotion such as, “It’s a foggy day, try our new hot beverage.”





3





# Implications for Retailers



# Winning in the new reality: Digitize and Disrupt

## BUSINESS STRATEGY, POWERED BY DIGITAL



### TRANSFORM THE CORE



#### 1. DIGITIZE CORE BUSINESS

Enhance effectiveness  
across the retail value  
chain



#### 2. DIGITAL ENGAGEMENT

Engage consumers  
digitally; build strong  
advocates



#### 3. DIGITAL STORE

Redefine role of physical  
stores: Enhance  
experience through  
in-store interventions



#### 4. DIGITAL COMMERCE

Use digital as a  
sales channel



### NEW BUSINESS MODELS



#### 5. DISRUPT AND INNOVATE



### ENABLE



Organisation



IT and  
Infrastructure



Data and  
Insight



Support  
Functions

# 1. DIGITIZING CORE BUSINESS



# Digitizing the 'core' business can unlock significant value



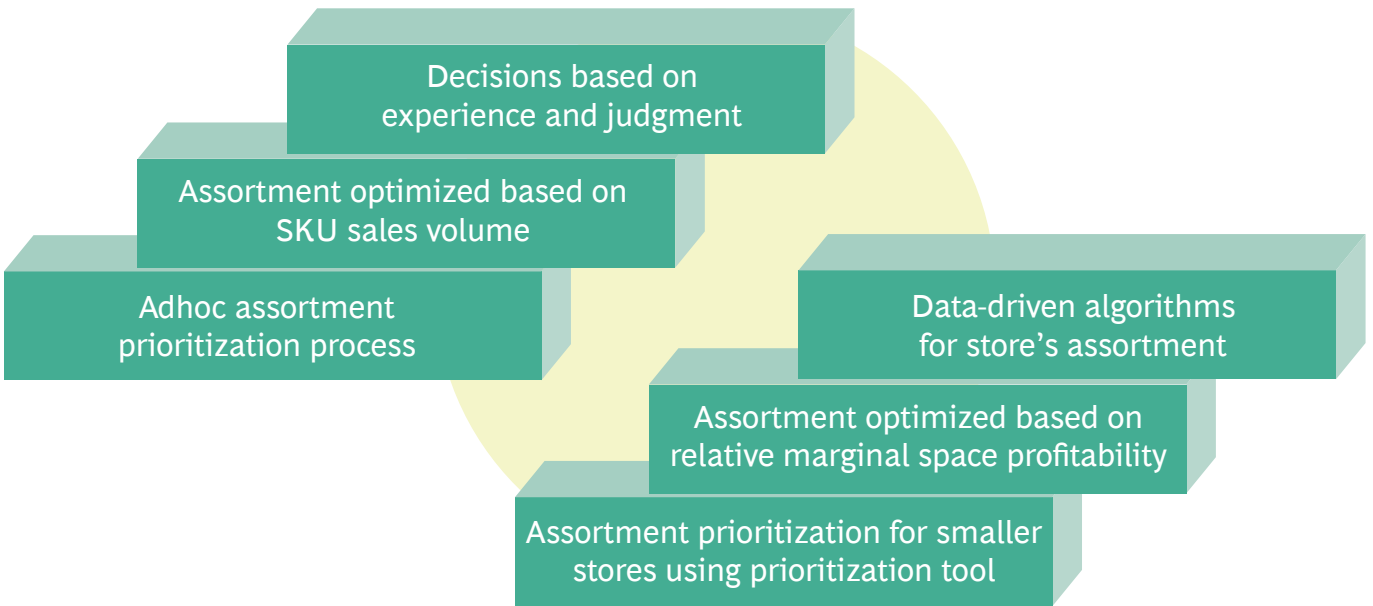
<p><b>1</b> Trend detection and real time feedback</p> <ul style="list-style-type: none"> <li>• Innovation assessment</li> <li>• Sentiment monitoring</li> <li>• ...</li> </ul>	<p><b>2</b> Customer centric buying</p> <ul style="list-style-type: none"> <li>• Demand forecasting</li> <li>• Buying structure optimization</li> <li>• Predictive ordering</li> <li>• ...</li> </ul>	<p><b>6</b> Effectiveness in marketing spends</p> <ul style="list-style-type: none"> <li>• Marketing success assessment</li> <li>• Marketing mix management</li> <li>• ...</li> </ul>	<p><b>7</b> Optimized markdowns</p> <ul style="list-style-type: none"> <li>• Promo effectiveness improvement</li> <li>• Promo by catchment x category</li> <li>• ...</li> </ul>
<p><b>3</b> Optimized assortment and merchandising</p> <ul style="list-style-type: none"> <li>• Catchment based assortment</li> <li>• Basket based optimization</li> <li>• Cross-selling</li> <li>• ...</li> </ul>	<p><b>4</b> End-to-end supply chain optimization</p> <ul style="list-style-type: none"> <li>• Supply chain agility and efficiency improvement</li> <li>• Warehouse operations automation</li> <li>• Dynamic route optimization</li> <li>• Tertiary replenishment</li> <li>• ...</li> </ul>	<p><b>5</b> Customer centric store build up and location</p> <ul style="list-style-type: none"> <li>• Store ROI optimization</li> <li>• In-store behavior assessment</li> <li>• ...</li> </ul>	<p><b>8</b> Pricing</p> <ul style="list-style-type: none"> <li>• Price pianos</li> <li>• Category level optimization</li> <li>• SKU x Store optimization</li> <li>• ...</li> </ul>



# 1. DIGITIZING CORE BUSINESS

## Illustration 1: Data-driven assortment and space optimization Global sports retailer example

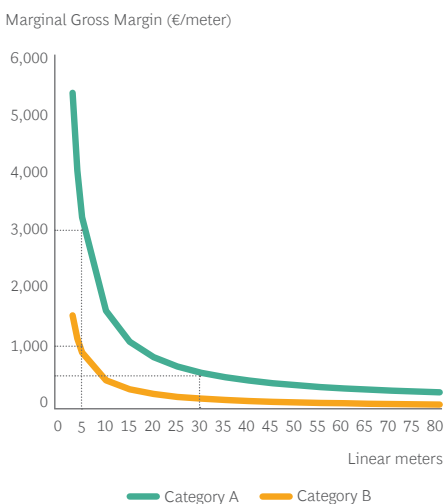
### TRADITIONAL APPROACH



### IN THE DIGITAL ERA...

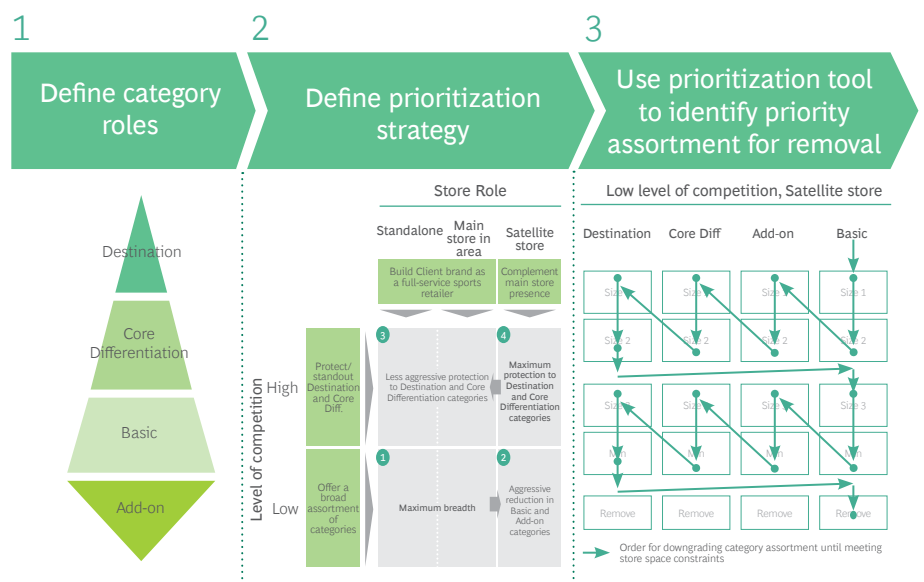
#### ASSORTMENT OPTIMIZATION

Based on relative marginal space profitability



#### ASSORTMENT PRIORITIZATION TOOL

Based on level of competition and store role



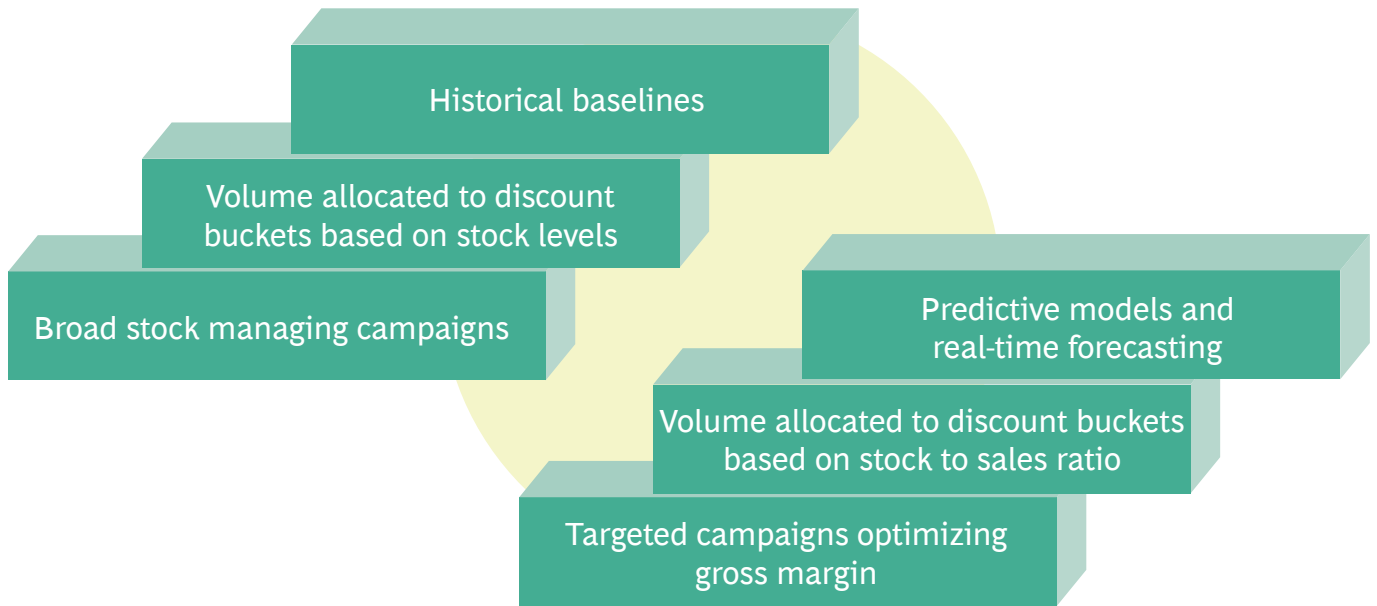
#### IMPACT

3–5% margin uplift due to shift towards high margin categories

# Illustration 2: SKU specific markdown management

## Global Fashion retailer example

### TRADITIONAL APPROACH



### IN THE DIGITAL ERA...

**1**

**Analysis of markdown urgency per SKU**

Clustering of SKUs based on stock to sales ratio to identify urgent markdown SKUs

Calculation of Stock to Sales Ratio: Current Stock: 1500 units, Baseline sales: 724 units, Stock to Sales Ratio: 2.1

**2**

**Real-time forecasting of impact**

Predictive model to analyze discount impact

**3**

**Scenario optimization**

Optimization of markdown planning vs. target KPIs for revenue, profits and sell through

	Base Scenario	Optimized profit, stable clearance	Optimized clearance, stable profit
Avg. Discount	35%	↓ 28%	↔ 37%
Sales	100 K USD	↑ 120 K USD	↔ 100 K USD
Profit	80 K USD	↑ 100 K USD	↔ 80 K USD
Clearance	80%	↔ 80%	↑ 86%



### IMPACT

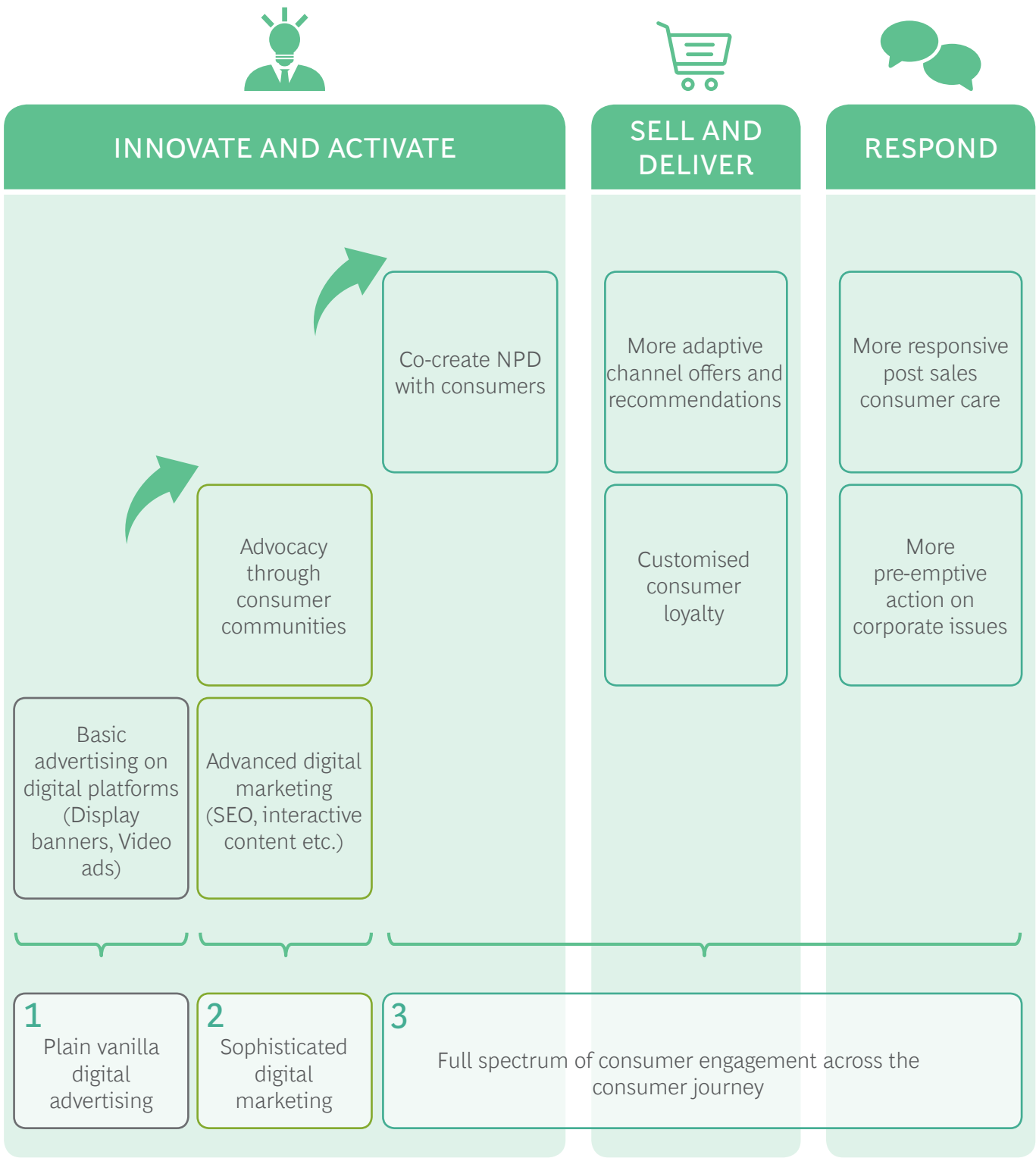
20% increase in revenue and 25% increase in profits at lower average discounts

# 2. DIGITAL ENGAGEMENT





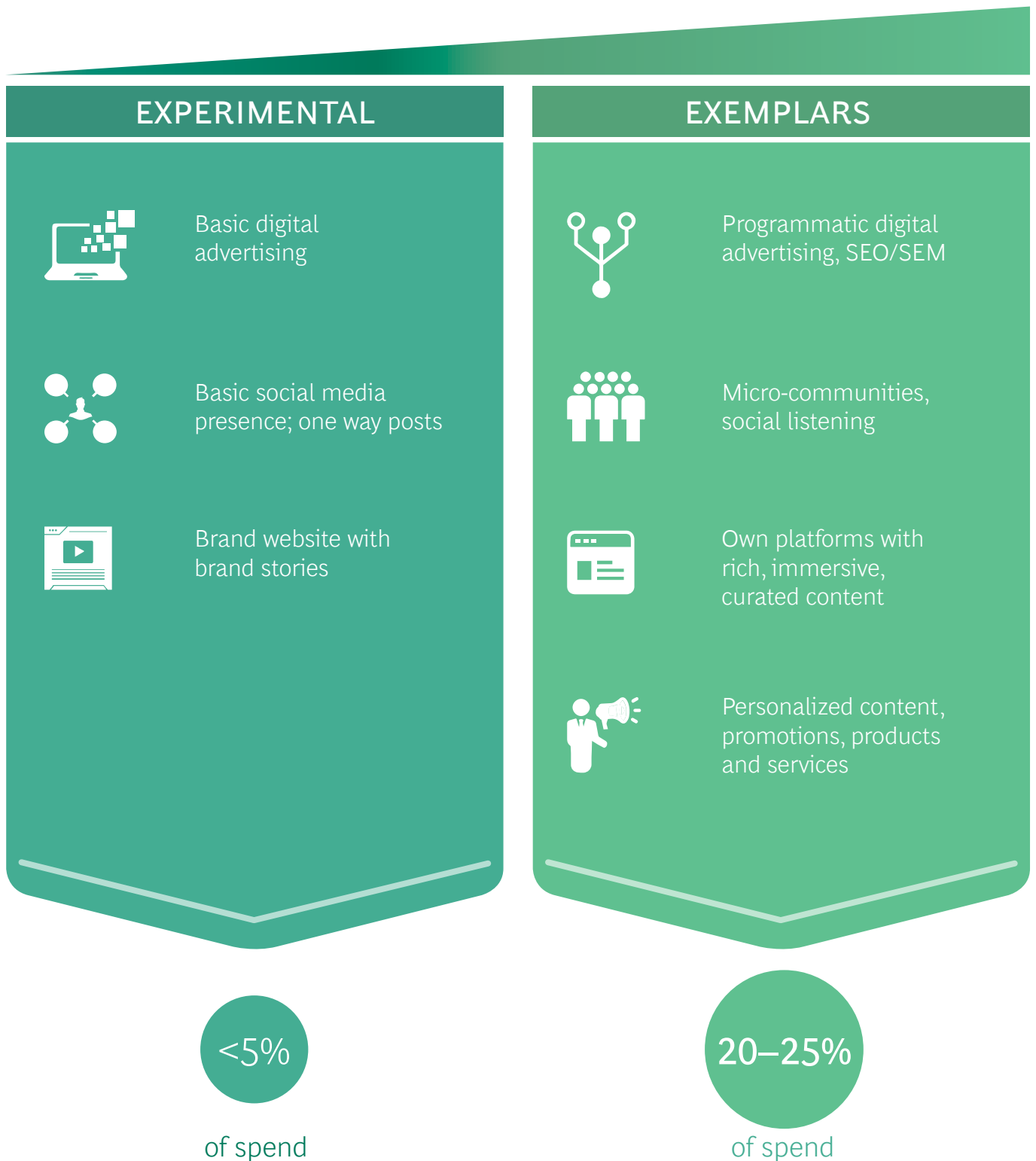
# Digital presents a real opportunity for two way consumer communication



## 2. DIGITAL ENGAGEMENT

# Winners using digital effectively for consumer engagement

Surgically targeting micro-spaces, creating personalized content



# Managing digital marketing increasingly becoming sophisticated

FROM

TO



Mass

Mass of Niches

- Creating segments of one



Scattered data, insufficiently leveraged

Data at the core of all decisions

- Personalized targeting
- Dynamic decisions based on feedback from customer data



Delegation of planning and execution to a single partner

New engagement in a fragmented ecosystem

- Emerging roles such as community managers
- Orchestration of Media & Creative agencies, publishers, Demand and supply side platforms



Buying ad space from inventory

Buying ad space in real time through 'programmatic buying'

- Real time customer segmentation and targeting



Metrics such as Click through rate (CTR), Cost per Action (CPA)

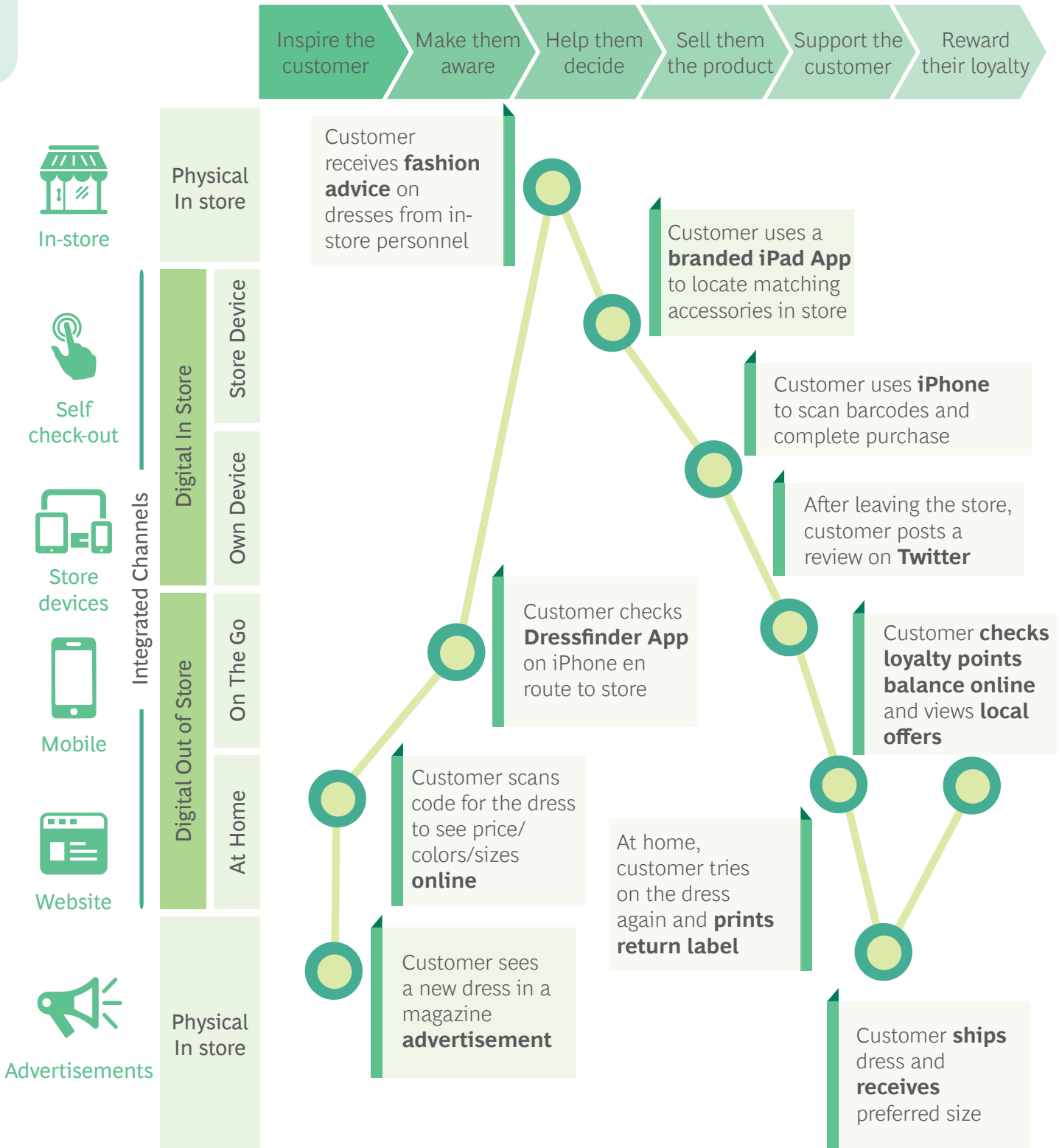
Customer acquisition cost, latest customer engagement metrics like "dwell time", Read through rate (RTR) etc.

### 3. DIGITAL STORES



# An emerging consumer purchase pathway deeply rooted in digital

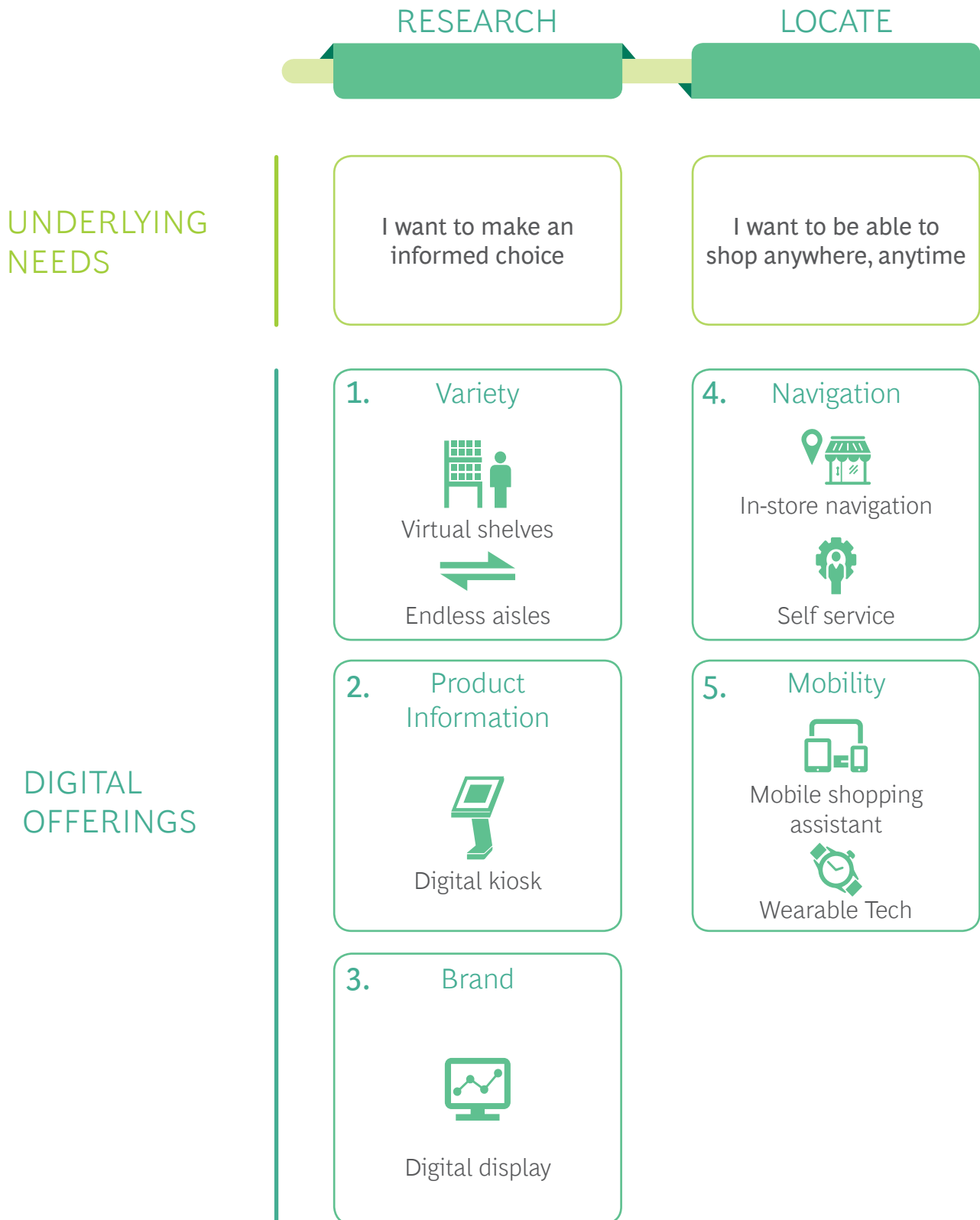
(Anywhere, Anything, Anytime, Anyone)



Consumers make no distinction between physical and digital worlds – want it to be seamless

### 3. DIGITAL STORES

# Making it imperative to re-imagine the role of the physical store



## SHOP

## PURCHASE

## POST PURCHASE

I want a product which exactly suits my need at the best price

I want fastest delivery as per my convenience

I want all issues/ requirements to be resolved quickly

### 6. Trust



Augmented Reality



Social shopping

### 7. Personalization



Recommendation engine



Product customization



Virtual Reality/ Mirror

### 8. Attractive Pricing



Precision marketing

### 9. Checkout



Self checkout



Mobile wallets



Mobile POS

### 10. Convenience



Mobile Webrooming



Click and collect

### 11. Customer Service



Loyalty program

### 12. Repurchase



Subscription and Auto replenishment

## 4. DIGITAL COMMERCE





# Reality retailers need to embrace: Fight with market places, yet collaborate for private brands

## WHERE TO PLAY?

MULTIPLE ONLINE ROUTES AVAILABLE; MARKET PLACES LEADING WITH SIGNIFICANTLY HIGHER TRAFFIC



RETAILERS NEED TO SIMULTANEOUSLY COMPETE AND COLLABORATE WITH ONLINE MARKETPLACES



COLLABORATE

**A**

Sell private brands on marketplaces

To leverage the reach of marketplaces (100x more than own.com)



COMPETE

**B**

Set up Own.com

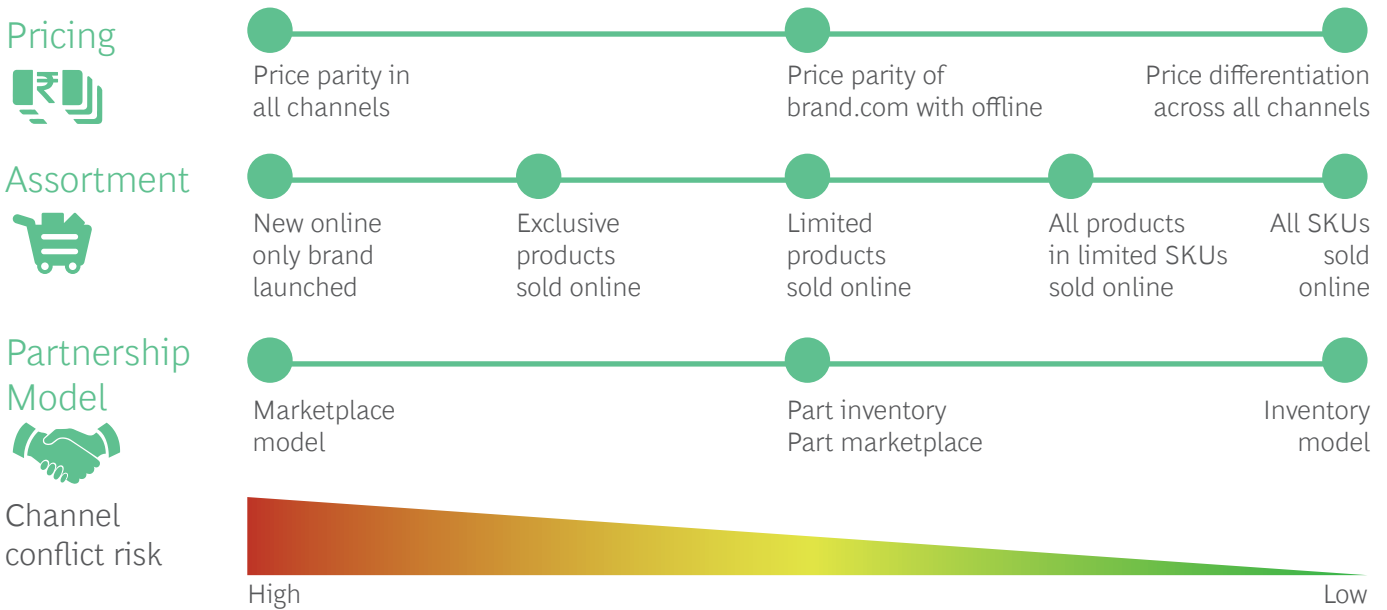
To continue to provide a superior value proposition than e-tailers

## 4. DIGITAL COMMERCE

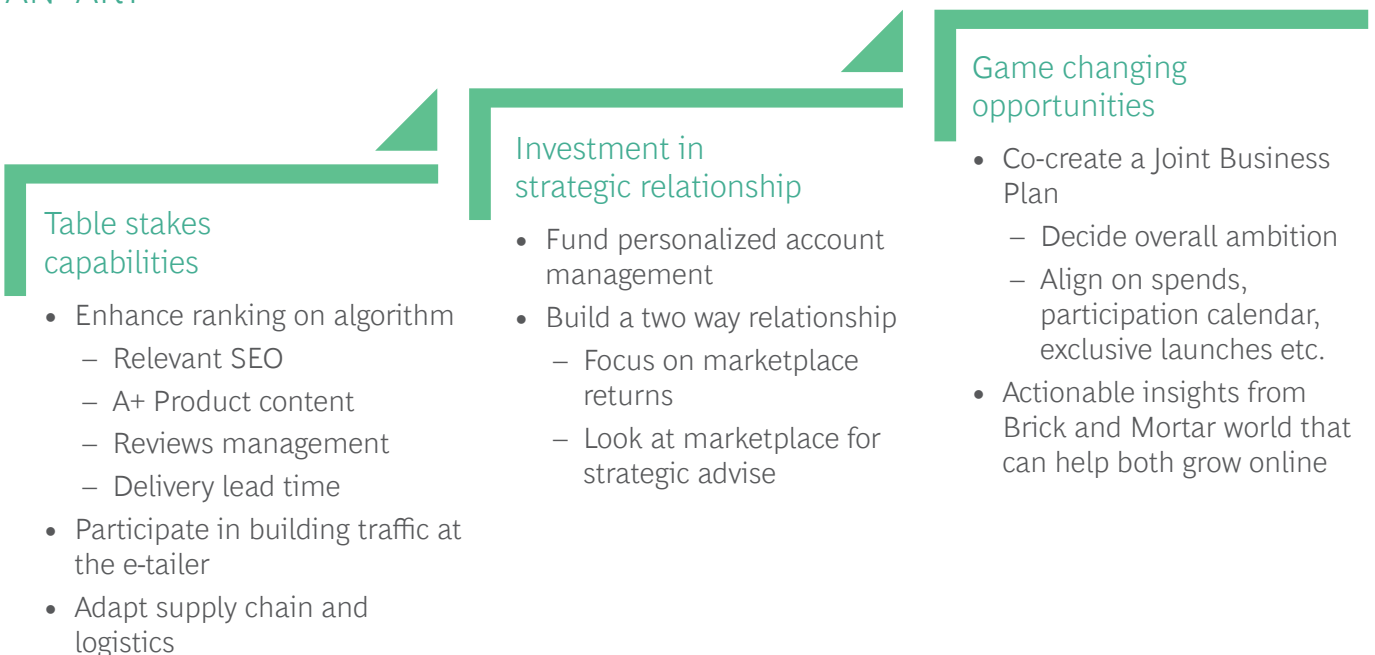
# For private brands, retailers need to make smart operating choices and deepen engagement with marketplaces

## HOW TO WIN?

### MULTIPLE OPERATING CHOICES



## ENGAGING WITH ONLINE BEHEMOTHS WOULD BE BOTH A 'SCIENCE' AND AN 'ART'



# Retailers need to step up their game: Offer a competitive experience vs. pureplays



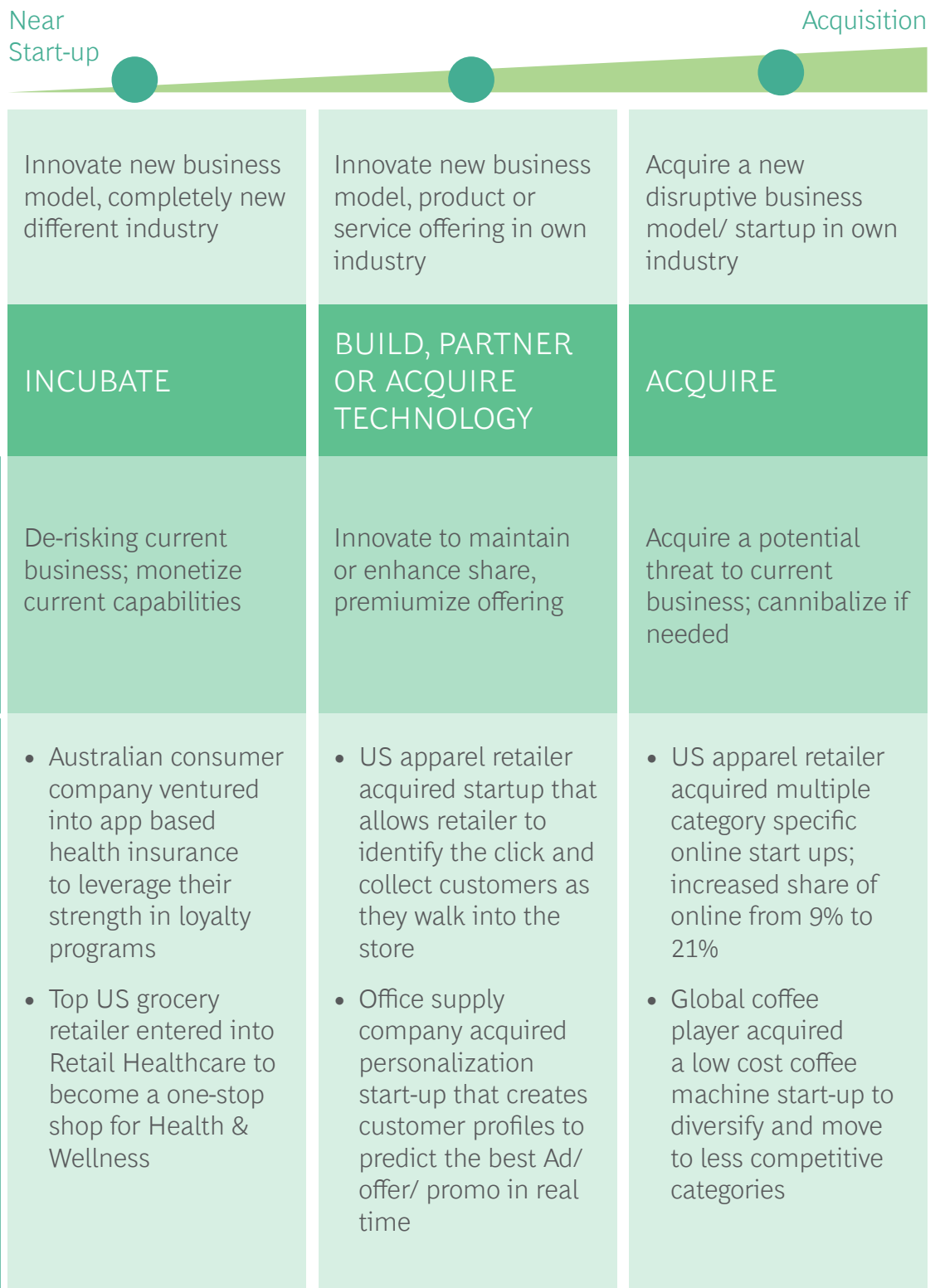
## KEY PROPOSITION ELEMENTS

1	2	3	4	5
<b>Inform decision making</b>	<b>Integrate Digital and store</b>	<b>Personalise experience</b>	<b>Enhance convenience</b>	<b>Create brand resonance</b>
<ul style="list-style-type: none"> <li>Targeted content such as reviews, blogs and videos by experts</li> <li>Personalized content</li> </ul>	<ul style="list-style-type: none"> <li>Live inventory locator for endless assortment options</li> <li>Interactive aisle for easy browsing and search, product comparisons</li> </ul>	<ul style="list-style-type: none"> <li>Cross sell/ Up sell with curation of recommended products</li> <li>Personalized promotions based on past purchase</li> <li>Personalized consultative service</li> </ul>	<ul style="list-style-type: none"> <li>Multiple convenient delivery options                             <ul style="list-style-type: none"> <li>Location: At home/ store</li> <li>Time: Slot/ Next day/ same day</li> </ul> </li> <li>Easy return/ exchange/ home trial policy</li> </ul>	<ul style="list-style-type: none"> <li>Remember customer choices (Shopping list, wish list etc.) and integrate with loyalty program</li> <li>Auto delivery of repurchase items</li> </ul>

# 5. NEW BUSINESS MODELS



# Disrupt and innovate: Examples of emerging business models



STRATEGIC RATIONALE

EXAMPLES





Making it Happen:  
**Building New Capabilities**

# Key takeaways for a true digital transformation

1 Do not treat digital as an “add on” – It should be central to the CEO’s agenda



3 Challenge the organization to digitize across the value chain

4 Harness the power of data – The hidden goldmine of BIG DATA



2 Re-imagine consumer journeys in light of new and emerging technologies



5 Reorganize for the digital world and create network of partnerships for new capabilities – CANNOT be done in-house

# For Further Reading

The Boston Consulting Group publishes reports, articles and books on related topics that may be of interest to senior executives. Recent examples include those listed here.

## **Designing Digital Organizations**

A focus by The Boston Consulting Group in association with MIT CISR, December 2016

## **Digital or Die: The Choice for Luxury Brands**

A focus by The Boston Consulting Group, September 2016

## **Adding Data, Boosting Impact: Improving Engagement and Performance in Digital Advertising**

A focus by The Boston Consulting Group, September 2016

## **Acting on the Digital Imperative**

An article by The Boston Consulting Group, September 2016

## **Help Your Shelf: The Moves Mainstream Grocers Must Make Now**

An article by The Boston Consulting Group, April 2016

## **How to Jump-Start a Digital Transformation**

A focus by The Boston Consulting Group, September 2015

## **Retail: Defending Against the Threat from E-Commerce**

BCG 2015 Consumer Value Creators Series

## **How Retailers Can Improve Promotion Effectiveness: A Four-Part Approach to Generating Growth**

A focus by The Boston Consulting Group, July 2015

## **Winning at Omnichannel Pricing—Maximizing Growth While Protecting Margins**

A focus by The Boston Consulting Group in association with Boomerang Commerce, May 2015

## **Four Digital Enablers: Bringing Technology into the Retail Store**

An article by The Boston Consulting Group, February 2015

## **The Retail Revival Series: Succeeding with a Store-Led Strategy—A Store-Level Focus Can Transform Retail Chains Faster and Yield Real Results**

An article by The Boston Consulting Group, September 2014

## **In Omnichannel Retail It's Still About Detail**

An article by The Boston Consulting Group, August 2014

## **Staying Ahead of the Customer: Retail Transformation and Reinvention**

A focus by The Boston Consulting Group, September 2013

# Note to the Reader

## ABOUT THE AUTHORS

Abheek Singhi is a Senior Partner and Director in the Mumbai office of The Boston Consulting Group and leads the Consumer and Retail practice in Asia-Pacific.

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