# COVID-19 BCG Perspectives

Facts, scenarios, and actions for leaders

Publication #7 with a focus on Sensing consumer behavior and seizing demand shifts

Version: 26 May 2020

# COVID-19 BCG Perspectives

Objectives of this document

# COVID-19 is a global societal crisis

We at BCG believe that the COVID-19 outbreak is first and foremost a societal crisis, threatening lives and the wellbeing of our global community. Society now, more than ever, needs to collaborate to protect people's lives and health, manage midterm implications, and search for lasting solutions.

# Leaders need to drive an integrated response to navigate the crisis

It is the duty of health, political, societal, and business leaders to navigate through this crisis. A complex interplay of epidemic progression, medical response, government action, sector impact, and company action is playing out. This document intends to help leaders find answers and shape opinions to navigate the crisis in their own environments. It encourages thinking across the multiple time horizons over which we see the crisis manifesting itself.

# COVID-19 will be a journey with three distinct phases, requiring an integrated perspective

Flatten	Fight	Future
Typically the initial phase after a pandemic outbreak–goal is to urgently <b>limit number of new cases</b> , especially critical care	Finding paths to collectively fight the virus, restart the economy, and support society in balancing lives and livelihood	Disease controlled through vaccine/cure/ herd immunity, and treatment within sustainable medical capacities possible
Social distancing (lockdown) and partial business closures lead to <b>economic recession</b> with large employment impact	Increasing economic activity with recovering GDP, some business reopenings, and social distancing on sustainable level	<b>Reactivated economy</b> with strong business rebound and job growth, social restrictions limited or completely suspended
	1. Disease progression, health care system capacity, a	nd response
	2. Government policies and economic stimulus	
	3. Economic scenarios	
	4. Business engagement and response	
	5. Public engagement and response	

All of the above five factors result in specific economic and social outcomes in each phase

action areas for business leaders



Note: RR&T = Rapid Response and Transformation Team Source: BCG

# Executive Summary | COVID-19 BCG Perspectives

#### To protect and grow topline through the crisis, it is critical for companies to rapidly sense consumer behavior and seize resulting demand shifts

- COVID-19 drives changes in consumer behavior; leaders should understand de-averaged perspectives on geographies, sectors, channels, and target groups
- Two imperatives emerge for protecting and growing B2C and B2B top line: building deep sensing capabilities ("Lighthouse") and extending brand relevance and reach
- Build "Lighthouse" by leveraging high frequency data to sense short-term and structural demand shifts; key asset in a world that sees amplified speed of change
- Extend brand relevance and reach by purposefully aligning to new shape of demand; reinvent offering and channel mix, supercharge marketing, and personalize value
- Leaders augment organization capabilities in advanced analytics, scalable tech architecture, digital experiences, and innovation to win in the new reality

### Across countries, efforts to flatten the curve and ramp-up testing continue; the impact on economy, businesses, and consumer sentiment persists 🗄

- Globally, 2.1 million patients have recovered from COVID-19 and the case-doubling rate has improved to 35 days
- As countries move into the 'Fight' phase, several have started to see a decline in daily cases; while some emerging economies continue to see an increase
- Testing landscape is changing rapidly, molecular testing continues as "gold standard;" continued efforts to improve test/case ratio
- Economic forecasts deteriorating for US and Europe; rebound of global GDP not expected before 2021
- Total Shareholder Return still not back to pre-crises level for any sector across regions; 11 sectors have >10% of companies with high probability of default
- Consumers increasingly display less pessimistic outlook than four weeks ago; have started stepping out for work and essentials (with easing of lockdowns)

We believe during this crisis leaders need to think along two dimensions: Taking an integrated perspective on health/medical progression, governmental responses, societal reactions, and economic implications to understand business/sector impacts

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Thinking multitimescale in a Flatten-Fight-Future logic

### Guide for leaders

Sensing consumer behavior and seizing demand shifts How companies can adapt and transform to win

### Updated epidemic progression and impact

Epidemic progression and virus monitoring Economic and business impact Consumer sentiment snapshot



## COVID-19: Impact dashboard

As of 22 May 2020

Epidemic Progression				
	<b>1M</b> ecoveries		<b>38K</b> atalities	
	24 Apr	08 May	22 May	
# of days of case doubling <sup>1</sup>	21	29	35	
# of reported recoveries as % of total cases	28%	34%	39%	
# of countries with 1k+ cases	83	90	104	
# of tests / case <sup>2</sup>	10	12	15	
# of tests / million <sup>2</sup>	13k	22K	34K	
	Vaccir	ne Trea	atment	
Trials in pre-clinical stage and beyond <sup>3</sup>	139	:	122	
Trials in Phase 1 and beyond <sup>4</sup>	7		50	
Current est. timeline for approval & scale-up	12-30 month		5-24 onths <sup>6</sup>	





1. No. of doubling days based on 7 day CAGR 2. Median of values for top 15 countries by nominal GDP (except China) 3. Ongoing trials including pre-clinical, Phase 1 (first trial in humans), Phase 2, Phase 3, Phase 4 5. 12 month development "best case", then likely to require time to scale across population 6. Remdesivir is approved now, could be more widely available by Jul '20. For the next wave, estimated timeline is OCt '20 – April '22 (6-24 months). If first round of drugs being tested succeds – then 6-9 months; if not – substantially longer 7. IMF April 2020 forecast; '90 forecast; '90 forecast', Stange from forecast (where available) of International Monetary Fond, JP Morgan Chase; Horgan Stanley; Bhase A 1. Ongoing trials including pre-clinical, Phase 1, Phase 3, Phase 4 5. 12 month diverse for the set of t

# COVID-19 drives changes in consumer behavior; de-averaged perspective required, but four key trends observed

### Change in consumer behavior is not uniform

De-averaged perspective required across geographies, sectors, sales channels, target groups, etc.



1. BCG-COVID-19 Consumer Sentiment Survey, April 24-27, 2020 (N = 2783 across US; unweighted) 2. DSR Digital Transformation Survey 2020 (n=217, as of April 30, 2020) 3. For Germany, Italy, US as of April 26, 2020; categories include consumer goods and retail, beauty and cosmetics, beverages, consumer electronics, fashion and apparel, jewelry and luxury products, furniture, restaurants and delivery, and home and garden 4. Spend data is based on consumer credit card/debit card/checking account activity from a panel of US consumers from Earnest Research (tracked responses exclude cash/other), May 6, 2020 5. BCG-COVID-19 Consumer Sentiment Survey, April 17-20, 2020 (N = 5728 across US, UK, Germany, Italy and China; unweighted) Source: BCG Marketing, Sales, and Pricing, BCG GAMMA, Earnest Research, Bloomberg, BCG

Embedding deep sensing capabilities, and extending brand relevance and reach are key priorities for leaders



Pace and de-averaged nature of change make rapid sensing capabilities a key imperative

# Change is coming at fast pace and in different shapes

The pace of change has increased by multiples

We have seen two years' worth of digital transformation in two months \*\*

– Satya Nadella, CEO of Microsoft

Change in consumer behavior is not uniform



### Imperative to build rapid demandsensing capabilities



## **A.1**

Leverage highfrequency data

How do we operate in a world where pace of change has increased by multiples?

Example

Data

Internal

### A real time 'Lighthouse' to navigate uncertainty

**External** 

May '20 Transi

Apr

Products and customers Order intake Sales Production Inventory	Epidemiological models Macroeconomic and government Consumer Activity Index™ Customer spend Consumer sentiment
Promotional activity	Footfall, search, social trends
Real-time data cockpit	Effective reproduction number
Current selection: Italy	5.0
a the former	Estimated Past range
and and go and	0.0
Second and	-2.5 Predicted Future range
Italy	Mar Apr May Jun Jul '20
	Change in footfall (indexed, in %)
and the second se	100 Resi-
	dential
	Work-

#### Fully rebuilding past models and analyses

... customer spend analysis offers retrospective

#### **Insight on current** demand changes

...web traffic analysis predicts near-term actions

#### **Outlook on future** demand changes

.. consumer sentiment analysis signals persistence

## **A.2**

De-average demand patterns

How do we deal with wide range of change in consumer behavior?



Geography	Sector	Sales chan	nel Target group	
<ul> <li>Countries/states operate on differ timelines</li> </ul>		<ul> <li>E-commerce booming dur "Flatten"</li> </ul>		Ľ.,
<ul> <li>Regional/local authorities decid reopening</li> </ul>	• Dependency on global supply chain is critical	<ul> <li>Brick and mostores requir reimaginatio</li> </ul>	e millennials	

As of April 2020

### Example | US Consumer Activity Index (CAI) can help prioritize business decisions

Single metric available by geography (down to the county or market level)



Decision basis for optimizing marketing/ advertising spend by region



# Key priorities for extending brand relevance and reach

Extend brand relevance and reach

# Clarify and amplify brand purpose

Clarify your reason for being and connect it to changing needs

Create sustained advantage by taking bold and tangible actions

# Align to new shape of demand

Discern short- and long-term shifts in customer demand

Capitalize on opportunities by placing the right bets

# 3

# Reinvent your offering

Redefine your offering to service the new reality

Pivot to new products, services to target changed customer demand

# 4

### Reimagine omnichannel

Invest to be where your customers are

Provide a consistent, customercentric approach across channels

# Supercharge precision advertising

Pinpoint and capitalize on pockets of high ROI

Implement targeted advertising spend to gain share

# 6

# Personalize and de-average value

Reset price and promotion strategies to deliver value across segments

Create guardrails for short-term incentives that protect lifetime value

### **B.1** Clarify and amplify brand purpose

How can we authentically reinforce and live our brand purpose during this crisis?

# Focus on how your brand can take a lead in evolving societal needs...



# ...and create sustained advantage



### **Example | B2C airline leans into commitment to uplifting service**

Before COVID-19, purpose-driven business with mission to lift the world

- Empowered agents to give consumers flexibility
- Established profit-sharing airline partnerships
- Offered the same benefits to all employees

During the crisis, reinforces purpose by:

- Offering free flights for medical personnel
- Extending statuses and benefits for a full year
- Waiving fee changes and lengthening ticket expiration dates for passengers

# Align to new shape of demand

How can we capitalize on temporary changes in demand and plan for long-term structural shifts?

#### Identify evolving demand spaces and customer needs Examples

Strengthened drivers of choice Casualization of apparel

Increasing 'table stakes' Sanitation and hygiene expectations

**Pivots in lifestyles & habits** *Cooking dinner at home* 

Major shifts in supply Disruption in retail landscape

### Capitalize on opportunities opened up by new shape of demand

Examples

Emergence of new sales opportunities Auto purchases as concern about alternatives rises

Improved accessibility through leveraging digital Virtual workout classes compared to gyms and fitness studios

Expanded ways of customer engagement Live-streaming via social media with integrated commerce

New white space and innovation opportunities Tech-enabled shopping leveraging AR/VR

### Example | B2C fitness platform pivots from physical studios to digital classes



### Reinvent your offering

How do crises create an opportunity for reimagining?

Crisis crea	tes opportunity fo	or innovation and	imagination		Illustrative, Non-exhaustive
	WW1 / Spanish Flu	Great Depression	WW2	'70s oil crisis	Dotcom / SARS
Founded	<ul> <li>Airplane manufacturer</li> <li>Auto maker</li> <li>Rental car co.</li> </ul>	<ul><li>Health care co.</li><li>Tire manufacturer</li><li>Insurance co.</li></ul>	•Auto maker •Dollar store •Fast food chain	<ul> <li>Shipping co.</li> <li>Software co.</li> <li>Home improvement retailer</li> </ul>	<ul> <li>Technology and internet co.</li> <li>Software co.</li> <li>Online radio</li> </ul>
Re- imagined	<ul> <li>Auto company made aerospace engines</li> <li>Auto company made tractors</li> </ul>	<ul> <li>Soap company sponsored soap operas</li> <li>Bank entered retail brokerage</li> <li>Electricity company offered appliance financing</li> </ul>	<ul> <li>Chemical company made synthetics</li> <li>Airplane manu- facturer made pressurized aircraft</li> </ul>	<ul> <li>Airline diversified</li> <li>Car manufacturer improved fuel efficiency</li> </ul>	<ul> <li>Wholesale marketplace launched B2C ecommerce</li> <li>Online retailer expanded marketplace</li> </ul>
Invented/ Developed	• Sun lamps • Blood banks • Sanitary pads • Stainless steel • Zippers	<ul> <li>Disney first animated movie</li> <li>Car radio</li> <li>Supermarkets</li> <li>Ritz Cracker</li> </ul>	<ul> <li>Computers</li> <li>Jet engines</li> <li>Rockets</li> <li>Penicillin</li> <li>Atomic technology</li> </ul>	<ul> <li>Biofuels</li> <li>General purpose processor</li> <li>Car fuel-efficiency</li> </ul>	<ul> <li>iTunes, iPod</li> <li>Surveillance technology</li> <li>Wikipedia</li> </ul>

### Reinvent your offering

How does this crisis create an opportunity for reimagining?

### Reimagine and redesign offerings to meet new customer needs during COVID-19 crisis

1	Redesign offerings to serve cost-conscious customers	Innovate into lower price points: Develop low-cost product lines to capture cost sensitive customers
2	Reimagine role of store and deploy new formats	<b>Reconsider store formats:</b> Rationalize number of stores and transform large unprofitable stores into smaller stores that function as hubs for pickup and drop-off <b>Create unique in-store experiences</b>
3	Enter and grow adjacencies to meet new customer needs	Introduce new products: Design products that meet health and safety needs Pivot current product offerings: Target areas of increased customer demand

### Example | B2C rideshare company pivots to double-down on food and other delivery services

# Major decline to its core rideshare business



Pre-crisis ~75% of revenue from core rideshare offering

Rideshare revenue declined ~80% as stay-at-home regulation started

# Reallocated resources to **new delivery business**



Introduced new non-food delivery services Transitioned 40% of drivers to delivery

Targeted cross-sell of users to delivery



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### Reimagine omnichannel

How can we best serve our customers seamlessly across their purchase journeys?

# **Capture and serve millions of people engaging digitally, providing a consistent customer-centric experience across channels**

### **B2C | Chinese cosmetic company**

Leveraged a social media app to connect with consumers and sell online



- Designed livestream shopping event
- Leveraged digital chat tools for engagement
- Sent direct 1-1 offers to consumers



Established NextGen sales engine to deliver a customer-centric personalized experience



- Prioritized based on account potential
- Leveraged always-on digital selling
- Alerted sales reps to take action in real time



Source: Alibaba Group; MIT Sloan Management Review; BCG Consumer Sentiment Research; BCG Case Experience

### Supercharge precision advertising

How can we capture and retain the surge in digital trial and demand?



Reinvent your brand now

Take advantage of unprecedented customer attention

**Capitalize on increasing ROIs** Be ready to lock in low rates as others cut spending

3 Optimize media mix

Increase flexibility of budget and shift spend to TV and digital

4 Invest thoughtfully in demand generation Tap into latent demand as regions and categories rebound **Example | B2C health and wellness retailer with increasing ROI on digital media** 



#### Example | B2B ophthalmic lens manufacturer adopts test/learn/scale approach



#### ...to capture near-term value

Set-up cross-functional 'war room'

Run dozens of tests each week

Measure in real-time

Iterate weekly and adjust budget

#### 2x return on marketing investment

Source: IAB survey of media buyers; BCG Case Experience

# Personalize and de-average value

How should we price and promote our products to serve unique needs and ensure customer trust?

### **Evolve pricing to deliver personalized value and serve unique customer segments**

#### Understand and serve de-averaged customer needs Illustrative personas



Unemployed person **stretching his dollar** by buying in bulk and seeking discounts and promos



Frontline health care worker looking for the **safety and convenience** of same-day home delivery



Millennial working from home who values the **ease** of subscription boxes and hassle-free returns



Retail shop owner looking for **flexibility** on inventory replenishment and lease payments

#### Personalize value

De-average pricing in line with segments—premium to value

Shift from mass promos to personalized offers, including value-add services

Incentivize and reward desired customer behaviors

Introduce new pricing models aligned to changing behaviors

Create guardrails for short-term incentives that protect lifetime value

### **Example | B2C convenience retailer shifts from mass to personalized promotions**



Source: BCG Case Experience

Companies will need to augment their capabilities to win in the new reality



Build advanced analytics capabilities (including Lighthouse) to use high frequency data to sense demand shifts and consumer sentiments Scale up e-commerce and omnichannel capabilities; invest in personalization and digital sales and marketing Leverage the power of data and technology to simplify data and application landscape; aid scaleup of customer activities online Upskill human capital to establish a mindset for innovation and agility to secure and grow top line

# Guide to building an innovation mindset for organizations

<b>Carve out time for reflection</b>	To see the big picture, stand back and reflect; create a rhythm of action and reflection in business
Ask active, open questions	Prompt questions that drive exploration of fresh ideas and approaches that can bring creativity
Allow yourself to be playful	Create an agile environment that allows for practice of imagining and improvising; loosen up from regular, goal-driven approach
Set up a system for sharing ideas	Facilitate collective imagination by creating forums for people to communicate without hierarchy
Seek out the anomalous and unexpected	Look externally to solve tough new problems; examine accidents, anomalies, and particulars
Encourage experimentation	Experiment and test ideas in the real world (often generates unexpected outcomes and stimulate further thinking)
Stay hopeful	Imagination feeds on aspirations and aggravations (give people grounds for hope, imagination, and innovation)

For more detail, refer to the article

<u>We Need</u> Imagination Now More Than Ever

### Guide for leaders

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Sensing consumer behavior and seizing demand shifts How companies can adapt and transform to win

### Updated epidemic progression and impact

Epidemic progression and virus monitoring Economic and business impact Consumer sentiment snapshot

# ~2.1M reported recoveries<sup>1</sup> globally so far; case-doubling rate improves to 35 days

## EPIDEMIC PROGRESSION & VIRUS MONITORING

As of 22 May 2020



Note: Continued cases and fatalities are subject to different testing, propensity, reporting standards, and hence are imperfect measures

1. Refers to total reported recoveries as a percentage of total reported infections (cases) 2. No. of doubling days based on 7-day CAGR 3. Basis Johns Hopkins CSSE 4. Daily growth rate basis 7-day CAGR;

5. Community transmission defined basis WHO - Countries experiencing larger outbreaks of local transmission on basis of decided factors

Sources: Johns Hopkins CSSE; Our world in data; WHO situation reports; BCG

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## As countries move into Fight phase, several have started to see decline in number of daily cases

As of 22 May 2020

#### Several countries increasing doubling rate...

Source: Johns Hopkins CSSE; Our World in data; BCG



...driven by decline in number of daily cases



Non-exhaustive

# Some countries currently have cases doubling under 21 days; strong monitoring essential in the next few weeks

As of 22 May 2020

...driven by increase in number of daily cases







EPIDEMIC PROGRESSION & VIRUS MONITORING

Non-exhaustive

# While countries further relax lockdown measures, continued testing capacity ramp-up is critical

As of 22 May 2020

EPIDEMIC PROGRESSION & VIRUS MONITORING

**Non-exhaustive** 



For countries to move to the right, they need an **Integrated Virus Monitoring System** that includes testing, tracking, and tracing

#### 1. Taken as 7-day moving average; 2. Includes Middle East & Australia Source: Our World in Data, Worldometer, BCG Analysis

Accuracy has critical implications for effective medical response; Molecular tests continue to be the "gold standard"

**EPIDEMIC PROGRESSION &** VIRUS MONITORING

Two test types available for Covid-19 that differ in what they detect and how well they detect

"Gold standard" molecular tests provide the most accurate detection of the virus genetic material (RNA), typically from respiratory swabs, and can detect the virus before symptoms appear

2

### **Serological tests**

detect the human immune response to the virus about one week after symptoms appear; many "rapid" serology tests launched vary significantly in accuracy

Illustration for US: Implications of Accuracy for Covid-19 Testing Base data: 100,000 tests performed<sup>1</sup>; 5% disease prevalence

	Sick patients = 5,000		Healthy patients = 95,00	00
	False Negative Patients (sick patients mis- diagnosed negative)	Current Molecular "gold	False Positive Patients (healthy patients mis- diagnosed positive)	
Г	100	standard" test for COVID-19 Sensitivity 98% Specificity 99% May detect ~2-4 days before symptom onset	950	
Misdiagnosed infectious people	1000	Antigen tests (currently under development) Sensitivity <sup>2</sup> 80% Specificity <sup>2</sup> 99% May detect virus on similar timing as molecular testing	950	A positive serology test result (true or
do not isolate and propagate infection further	1,250	Rapid finger-stick serology "high quality" Sensitivity 75% Specificity 95% Detection ~6-10 days after symptom onset	4,750	false positive) that suggest an active COVID-19 infection will need a confirmatory molecular test
	3,500	Rapid finger-stick serology "low quality" <sup>3</sup> Sensitivity <b>30%</b> Specificity <b>60%</b> Detection ~6-10 days after symptom onset	38,000	

1. Roughly equivalent to US nationwide daily throughput as of March 31, 2020 2. Estimated using Quidel antigen test; while the specificity of that test was reported as 27 100% from 84 samples, 99% was used here as 100% specificity in unlikely in a large patient sample 3. The Guardian ("Coronavirus test kits withdrawn in Spain over poor accuracy rate", March 27, 2020) Source: Expert interviews; Popular press articles; Product specifications; BCG

As of 18 May 2020

# Ramp up of supply chains critical to fully achieve molecular testing potential

As of 18 May 2020

Capacity unlock levers<sup>2</sup>

Preliminary, US Example

Current daily MDx testing throughput: 200,000+	Capacity impact	Description	Workflow/install base impact	Examples
Remote specimens	High	<ul> <li>Enabling all MDx equipped labs to receive remotely collected samples</li> </ul>	• Non-/semi-automated	
Saliva testing	High	• Validating and scaling saliva testing	• Non- /semi-automated	
Swab kits	Medium	Alleviating swab kit shortages	• Non- /semi-automated	(Defense Puritan production)
EMR/Contracting	Medium	<ul> <li>Enabling all MDx labs to contract with and report results to hospitals</li> </ul>	• Non- /semi-automated	SHADOWBOX]
Increased staffing	Medium	Adding more lab staff and longer shifts	<ul> <li>Non- /semi-automated, Near-patient, POC</li> </ul>	
RNA prep kits	Low	• Alleviating RNA prep kit shortages	• Non- /semi-automated	The University of Vermont BioSky
Other	Low	<ul> <li>Such as, if install all inventory on hand by vendors under current supplies constraints</li> </ul>	• All	
Instrument inventory	Low	<ul> <li>If install all inventory on hand with all other levers in place</li> </ul>	• All, esp. automated	
Other MDx testing technologies (e.g. LAMP, TMA, CRISPR)	High	<ul> <li>Utilizing other high-throughput and POC MDx testing technologies beyond PCR</li> </ul>	• All	Mammoth Diagnostics SHERLOCK

400,000-500,000

Estimated directional impact to currently observed throughput

High: >30% Medium: 15-30% Low: <15%

1. Average of empirically observed daily throughput in April to date 2. Impact of levers estimated semi-quantitatively when fully implemented, short term impact likely much smaller and will vary by lever Source: Expert interviews; BCG

# EPIDEMIC PROGRESSION & VIRUS MONITORING



Note: As of reports dated 31 March 2020 to 05 May 2020, YoY forecasts 1. Announced by the German Federal Ministry for Economic Affairs and Energy on 29 Apr 2020 2. Range calculated with 25th & 75th percentile values of forecast range 3. Range from forecasts (where available) of International Monetary Fond, JP Morgan Chase; Morgan Stanley; Bank of America; Fitch Solutions; Credit Suisse; Danske Bank; ING Group; HSBC Source: German Federal Ministry for Economic Affairs and Energy; Bloomberg; IMF; BCG

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# TSR still not back on pre-crises level across sectors; 11 sectors have >10% of companies with high probability of default

#### As of 22 May 2020

### Decline reflects economic scenario and consumer sentiment

		TSR performance <sup>1</sup>		<b>Companies with</b>	probability of (	default >15%²	
		21 Feb 2020 - 20 Mar 2020	21 Feb 2020 - 22May 2020	08 May 2020 - 22 May 2020	21 Feb 2020	22 May 2020	08 May 2020 - 22 May 2020
	Pharma	-20%	-2%	$\rightarrow$	0%	11%	$\rightarrow$
	Food/staples Retail	-10%	-6%	$\rightarrow$	0%	0%	$\rightarrow$
Healthier sectors	Household Products	-16%	-7%	$\rightarrow$	0%	0%	$\rightarrow$
	Health Equipment	-31%	-8%	7	0%	0%	$\rightarrow$
	Semiconductors	-30%	-9%	$\rightarrow$	0%	0%	<u> </u>
	Tech Hardware	-26%	-10%	$\rightarrow$	0%	0%	$\rightarrow$
	Software	-30%	-12%	$\rightarrow$	9%	8%	$\rightarrow$
	Food & Beverage	-23%	-12%	$\rightarrow$	0%	0%	$\rightarrow$
	Retailing	-40%	-13%	7	0%	41%	2
Pressured sectors	Telecom	-17%	-14%	کر ا	0%	15%	$\rightarrow$
	Materials	-32%	-14%	$\rightarrow$	4%	15%	2
	Prof. Services	-30%	-15%	$\rightarrow$	0%	0%	$\rightarrow$
	Transport	-34%	-15%	7	0%	36%	$\rightarrow$
	Media	-36%	-18%	$\rightarrow$	0%	15%	$\rightarrow$
	Utilities	-30%	-19%	$\rightarrow$	0%	3%	
	Capital Goods	-35%	-20%	$\rightarrow$	2%	11%	$\rightarrow$
	Auto	-41%	-22%	7	0%	33%	$\rightarrow$
	Financials	-35%	-23%	$\rightarrow$	0%	0% $0%$ $0%$ $0%$ $9%$ $8%$ $9%$ $8%$ $0%$ $0%$ $0%$ $0%$ $0%$ $15%$ $4%$ $15%$ $0%$ $36%$ $0%$ $3%$ $0%$ $33%$ $2%$ $11%$ $0%$ $33%$	
	Durable Goods	-39%	-25%	$\rightarrow$	0%		
Vulnerable sectors	Insurance	-39%	-29%	کر ا	0%	0%	$\rightarrow$
vullelable sectors	Hospitality	-44%	-32%	7	7%	36%	2
	Energy	-52%	-32%	$\rightarrow$	0%	21%	2
	Real Estate	-39%	-33%	<u>لا</u>	0%	17%	$\rightarrow$
	Banks	-39%	-35%	L L L L L L L L L L L L L L L L L L L	0%	4%	$\rightarrow$

Note: As of 6 May 2020; Based on top S&P Global 1200 companies; Sectors are based on GICS definitions 1) Performance is tracked for two periods, first from 21 February 2020 (before international acceleration of outbreak) to 20 March 2020 (trough of the market) and from 20 March 2020 through 6 May 2020 based on median 2. Implied by 5-year Credit Default Swap based on median Source: S&P Capital IQ; BCG ValueScience® Center; BCG



**ECONOMIC & BUSINESS** 

IMPACT

CONSUMER SENTIMENT SNAPSHOT

Consumers continue to display less pessimistic outlook than four weeks ago

#### As of 11 May 2020



Question text: "How much do you agree with each of the following statements about the coronavirus?" Source: BCG COVID-19 Consumer Sentiment Survey, March 6–May 11, 2020 (N =2000-3500), unweighted, representative within  $\pm$ 3% of census demographics

# With easing of lockdowns, consumers have started stepping out for work and essentials

As of 16 May 2020

### Workplaces

Tracked as changes<sup>1</sup> in visits to workplaces



**Retail stores and recreation spaces** 

Tracked as changes<sup>1</sup> in visits to shopping centers, restaurants,

1. Taken as weekly average compared with decline from baseline (median value to corresponding day of the week during Jan 3-Feb 6 2020); Represented only for selected countries. Source: Google Covid-19 Community Mobility Reports; BCG

# Shift of spend visible to categories relevant in stay-at-home context

CONSUMER SENTIMENT SNAPSHOT

**US example** 



As of 11 May 2020

### **COVID-19** short term impact on long-term growth trends before the crisis

Rapid acceleration	Retail electronics	Mass retail Pharmacy Grocery Personal care Packaged food and beverages	Online marketplace Online grocery OTC health care Pet food and care Organic and fresh foods
Moderate impact	Tobacco	Home and DIY retail Hobby retail Alcohol	Health, fitness, and beauty
Rapid deceleration	Apparel and accessories Department stores	Restaurants Away from home entertainment	Travel Public transportation Rideshare
-	Declining growth	Moderate growth	High growth
	acceleration Moderate impact Rapid	accelerationRetail electronicsModerate impactTobaccoRapid decelerationApparel and accessories Department stores	Rapid accelerationRetail electronicsPharmacy Grocery Personal care Packaged food and beveragesModerate impactTobaccoHome and DIY retail Hobby retail AlcoholRapid decelerationApparel and accessories Department storesRestaurants Away from home entertainment

### **Trajectory before pandemic**

Note: Based on credit card and IRI data from the US for March 2020 vs. Compound annual growth rate from January 2016 to January 2020 in same categories

Source: BCG Gamma; BCG Henderson Institute; BCG

# In-store purchase frequency has decreased while transaction size has increased

CONSUMER SENTIMENT SNAPSHOT

**US example** 



As of 06 May 2020

#### **Grocery sales** | Year-over-year change (%)



Transaction size (average) • Tota

Total transactions

Total sales

Note: Spending data is based on consumer credit card/debit card/checking account activity from a panel of US consumers from Earnest Research (tracked responses exclude cash/other) Sources: Earnest Research; BCG

# Shoppers preferring strong and integral brands in times of uncertainty

As of 20 April 2020

CONSUMER SENTIMENT SNAPSHOT



### Net likelihood<sup>1</sup> of buying brands that stood out in a positive way during the crisis (%)



**Example: How companies supported society during COVID-19** 

Protective gear	Ventilators	Staff	Suppliers	Return flights
<b>Clothing company</b>	Automotive	Fast-food chain	Natural resources	<b>Airline company</b>
started <b>producing</b>	manufacturer is	lends 1,750 workers	company accelerated	brought back <b>90,000</b>
50,000 medical	building 50,000-	to grocery stores to	~\$60M payments to	<b>people in 160</b>
gowns and <b>2.5</b>	<b>30,000 ventilators</b>	cope with initial	small suppliers by reducing payment terms	<b>flights,</b> partially from
million masks in	per month starting in	increase in shopping		countries not
April 2020	April 2020	demand		approached before

1. Difference between people that are likely to increase and people that are likely to decrease Source: BCG-COVID-19 Consumer Sentiment Survey, April 17-20, 2020 (N = 5728 across US, UK, Germany, Italy and China; unweighted); press releases; BCG

# Additional perspectives on COVID-19

### **COVID-19 BCG Perspectives**



Edition #6

Restructuring costs, and managing cash and liquidity



Edition #4 Accelerating digital & technology transformation



Edition #2 Preparing for the restart



Edition #5 <u>Revamping</u> <u>Organizations for the</u> New Reality



Edition #3

Emerging stronger from the crisis



Edition #1 Facts, scenarios, and actions for leaders

### Selected general publications



Marketing & Sales

<u>COVID-19 Consumer</u> <u>Sentiment Snapshot #9: A</u> <u>Lighthouse to Navigate</u>



**Revenue Management** 

<u>A Revenue Management</u> <u>Reset in Consumer</u> Goods



Supply Chain The New Reality for Chief Supply Chain Officers



Demand Sensing Shining a Light on Customer Demand During the COVID-19 Crisis



**People & Organization** 

People Priorities in the Ramp-Up and Return to Work



Leadership Communicating Leadership During COVID-19

### **Selected sector publications**



Consumer

<u>COVID-19 Consumer</u> <u>Sentiment Snapshot #10:</u> <u>The Trip Back</u>



Automotive

<u>How to Avoid the Auto</u> <u>Industry's Looming Price</u> War



Technology Businesses in Asia-Pacific Can Find Resilience and Growth in the Cloud



Consumer

<u>COVID-19 Consumer</u> <u>Sentiment Snapshot: Special</u> <u>Feature—Asia-Pacific</u>



Retail

<u>The \$2.5 Trillion</u> <u>Opportunity for Grocers</u> <u>That Are First to the Future</u>



Healthcare

<u>The Timelines and</u> <u>Implications for COVID-</u> <u>19 Vaccines</u>

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