

Join us for a **WEBINAR**

◦ **May 20, 2020 – 1 PM EST**

◦ **The Post COVID-19
“New Normal” Future of Retail**

Register NOW

- Latest Retail Trends / Forecasts
- The Surreal “New Normal”
- Role of Physical Stores
- The Emerging Technologies
- Loss Prevention Impact

Speaker ◦

Tony D’Onofrio
CEO, TD Insights



Top 10 Global
Retail Influencer

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WELCOME

THE **Post COVID-19** FUTURE OF RETAIL

Tony D'Onofrio



Tony D'Onofrio

- Top 10 COVID-19 Global Thought Leader & Influencer by Thinker360
- Top 25 Retail Industry Website by Vend
- Top 10 Global Retail Influencer List by Thinkers360
- Board Member – Private Equity Tech and the Loss Prevention Research Council (LPRC)
- Global Social Media Influencer & Publisher in Retail, Emerging Tech & Security
- Mentor to Silicon Valley Startups

Speaker

Tony D'Onofrio
CEO, TD Insights



Top 10 Global
Retail Influencer

WHO IS FACEFIRST?

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THANK YOU



www.facefirst.com

Who is The Loss Prevention Foundation?



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Mathew Schriener, LPC, Director of Operations
Mat.Schriener@LossPreventionFoundation.org

The Loss Prevention Foundation (LPF) is an international leader in educating and certifying retail loss prevention and asset protection professionals.

LPF's mission is to advance the retail loss prevention and asset protection profession by providing relevant, convenient and challenging educational resources.



Elevate the perception of our industry



Legitimize our profession and skillset



Builds a framework for education and professional development and personal growth



Provides an educational bridge to law enforcement and military personnel

THANK YOU

You are the **Leaders** to *Shape It*.

The **\$30 Trillion** Retail Opportunity

The Retail **Apocalypse** and **Recovery**

Retail **New Normal**

COVID-19 Retail **Crime** Trends

The Post COVID-19 **Future of Retail**

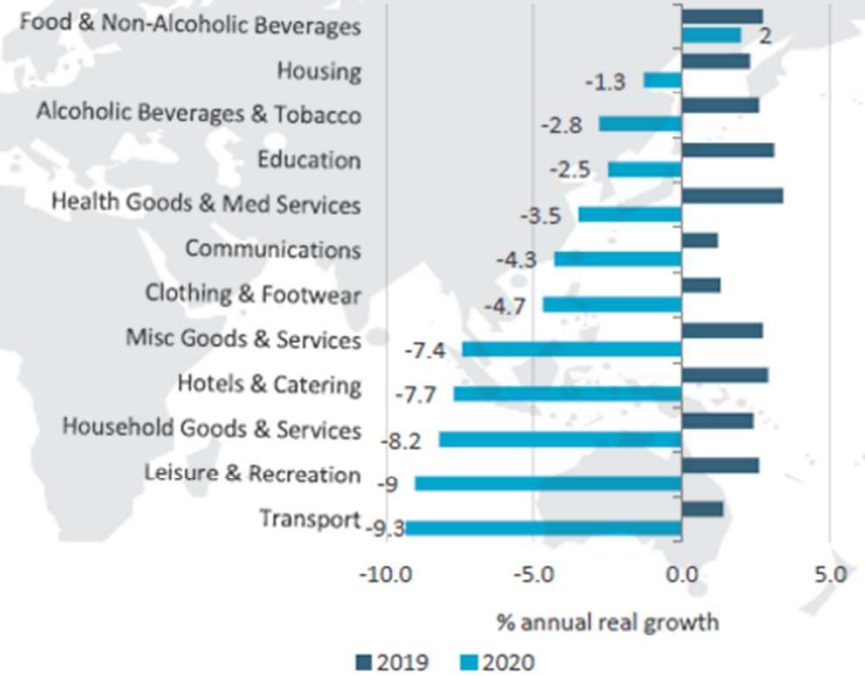


For MORE Visit
www.tonydonofrio.com

It's a Global Pandemic of Challenges



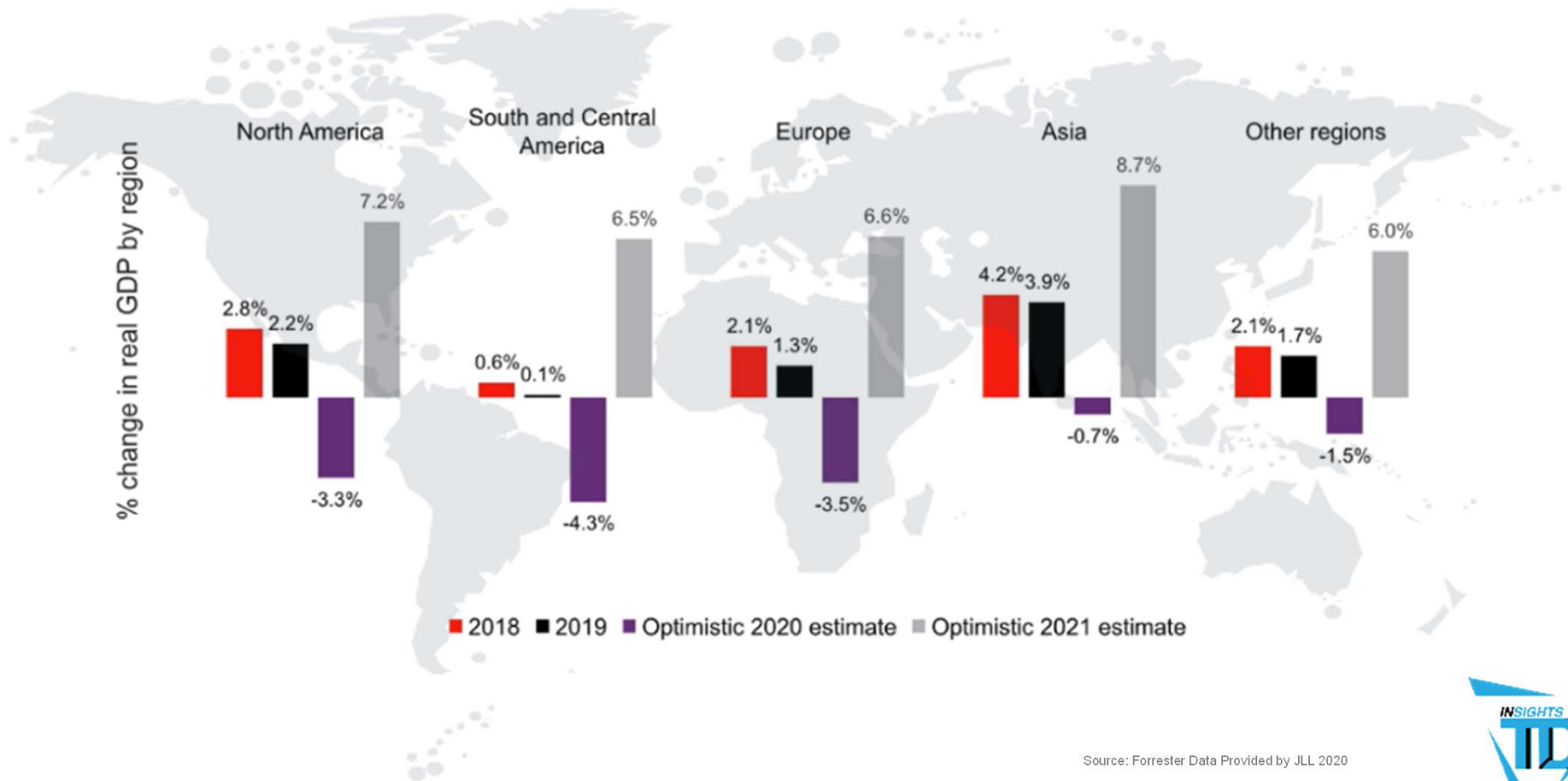
Global Consumer Expenditure Growth by Category



Source: Euromonitor, 2020



We are all Looking forward to **2021**



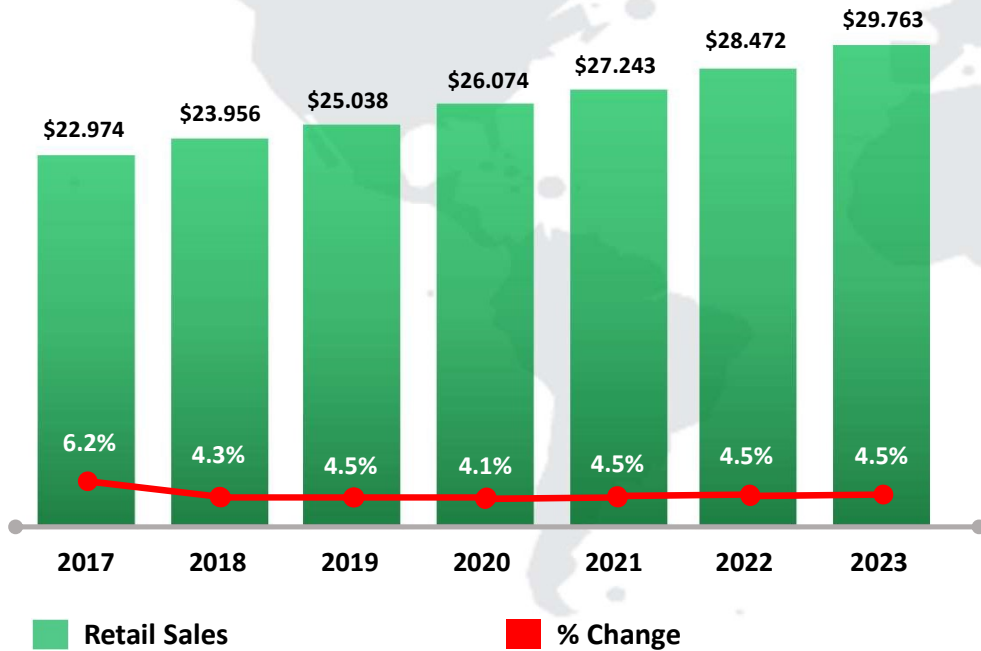
Source: Forrester Data Provided by JLL 2020



Global Retail Forecasts

PRE-COVID-19

Total Retail Sales Worldwide, 2017-2023
Trillions and % change



Retail sales growth, 2020-21 forecasts
(real % change per year)



Source: E-Marketer 2019 / Economist Intelligence Unit 2020



The New Retail Sales **Normal**

Updated May 20, 2020



North America	2019 % of Total Retail	Revised 2020 % of Total Retail	\$ impact from 2019 actuals
FDCM	49.0%	56.2%	\$172.3b
GMS	23.7%	21.9%	-\$167.9b
Hospitality	27.4%	21.9%	-\$356.4b
Total			-\$352.0b

EMEA	2019 % of Total Retail	Revised 2020 % of Total Retail	\$ impact from 2019 actuals
FDCM	49.0%	55.3%	\$127.7b
GMS	33.4%	29.6%	-\$216.6b
Hospitality	17.6%	15.1%	-\$130.9b
Total			-\$219.8b

Asia/Pacific	2019 % of Total Retail	Revised 2020 % of Total Retail	\$ impact from 2019 actuals
FDCM	53.6%	57.7%	\$229.7b
GMS	34.7%	31.6%	-\$275.7b
Hospitality	11.8%	10.7%	-\$93.4b
Total			-\$139.4b

Latin/South America	2019 % of Total Retail	Revised 2020 % of Total Retail	\$ impact from 2019 actuals
FDCM	52.8%	57.7%	\$35.8b
GMS	33.2%	29.9%	-\$71.5b
Hospitality	14.0%	12.3%	-\$34.1b
Total			-\$69.8b



Source: IHL Group



North America “New Normal” – Revised Retail Forecasts

Updated May 20, 2020

	2019 Retail Sales (\$ MM)	2020 Forecast Growth Original	2020 Forecast Growth 3/25	2020 Forecast Growth 4/15	2020 Forecast Growth 4/26	2020 Forecast Growth 5/7	2020 Forecast Growth 5/20
North America							
Food/Grocery	\$ 846,205.0	3.3%	11.0%	13.0%	10.0%	10.5%	11.5%
Drug Stores	\$ 378,191.0	2.9%	8.0%	12.0%	10.0%	10.0%	10.7%
Supercenter	\$ 532,508.7	3.0%	12.0%	14.0%	12.0%	12.5%	12.5%
Department Store	\$ 52,423.6	-10.0%	-20.0%	-25.0%	-29.0%	-29.0%	-29.0%
Specialty Hardgoods	\$ 865,397.7	0.5%	0.0%	-2.5%	-4.5%	-10.8%	-10.8%
Specialty Softgoods	\$ 296,016.3	-1.0%	-18.0%	-23.0%	-26.0%	-20.0%	-21.0%
Mass Merchandisers	\$ 197,493.9	2.0%	10.0%	12.0%	12.0%	12.0%	6.6%
Convenience / Gas	\$ 558,182.9	0.5%	-5.0%	-8.0%	-8.0%	-8.0%	-7.5%
Bar/Restaurant	\$ 346,708.7	2.5%	-13.0%	-22.0%	-25.0%	-25.0%	-25.0%
Quick Service/Fast Food	\$ 346,133.8	7.1%	-0.5%	-8.0%	-12.0%	-13.0%	-13.0%
Lodging	\$ 268,719.2	2.0%	-14.0%	-26.0%	-26.0%	-26.0%	-26.0%
Ent - Casino Cruise	\$ 181,137.3	1.7%	-18.7%	-30.0%	-35.0%	-35.0%	-35.0%
Ent - Theme Theater, etc	\$ 261,400.0	1.8%	-18.5%	-30.0%	-35.0%	-35.0%	-35.0%
Total North America	\$ 5,130,518.2	2.0%	-1.0%	-3.9%	-6.2%	-6.9%	-6.9%

COVID-19 IMPACT



Source: IHL Group, 2020



***As of 5/20/2020 – not including pure play ecommerce in these figures which are estimated to be +80b for the year

The Retail **Apocalypse** and **Recovery**



The Retail Post
 Who Will Survive the Retail Apocalypse?
 12,000 more stores could be gone by year end

List of 68 Bankruptcies

Brands Getting PUMMELED

8,000+ stores are closing in 2019 as apocalypse drags on

ON SALE!
CHINA BUSINESS



The Metropolitan Globe
 SUNDAY, APRIL 9, 2018
AVALANCHE OF CLOSINGS 'bigger than ever seen'

Markets sink as trade war looms

STORE CLOSING

The World Times
 DAILY NEWSPAPER OF THE YEAR
8,000+ stores are closing in 2019 as apocalypse drags on.

Retail Apocalypse Continues

ON SALE!
CHINA BUSINESS



The New York News
UBS: 75,000 USA Stores DOOMED

Retail apocalypse was worse than we thought

Brands Getting Pummeled

Who will survive the retail apocalypse?

Stores CLOSED

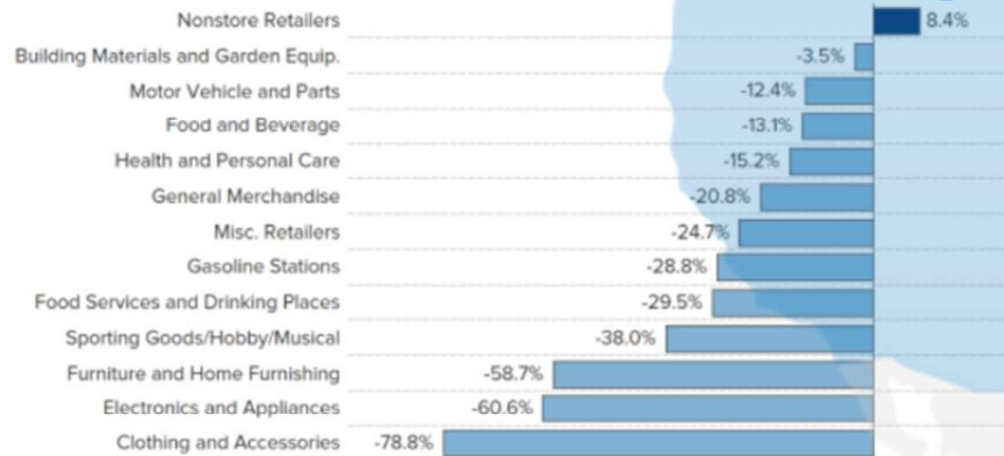


April 2020 USA Retail Sales

COVID-19 IMPACT

Retail store sales by category

Percent change from March to April 2020. Total retail sales dropped by 16.4 percent.



SOURCE: U.S. Census Bureau

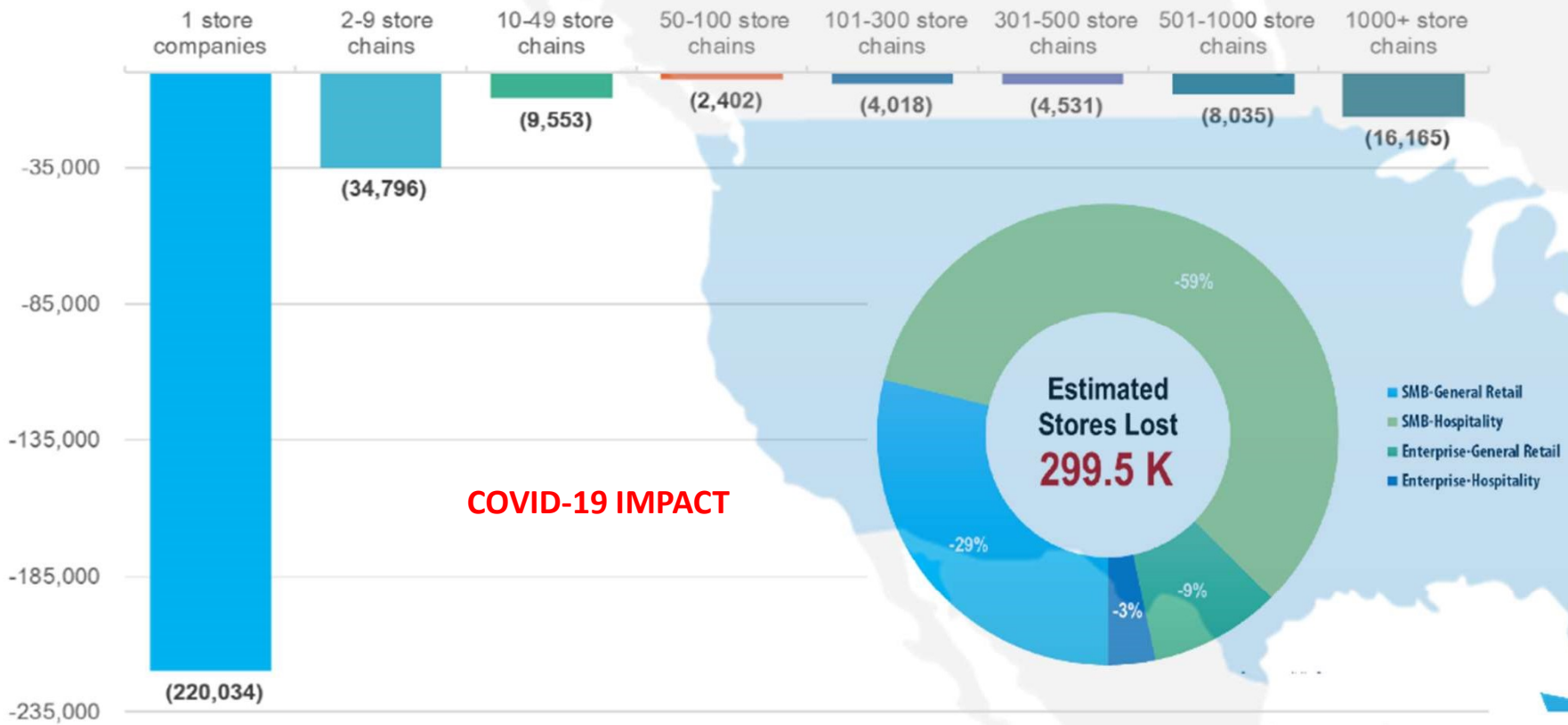
- April down -16.4%
 - Economists projected -12.3%
- March -8.3%
- 68% of USA \$21.5 trillion economy from personal consumption expenditures, which tumbled 7.6% in Q1
- Consumer sentiment
 - 73.7 in May from 71.8 in April
- A year of rebalancing – Under Armour



Source: CNBC, May 15, 2020 / Wall Street Journal May 15, 2020



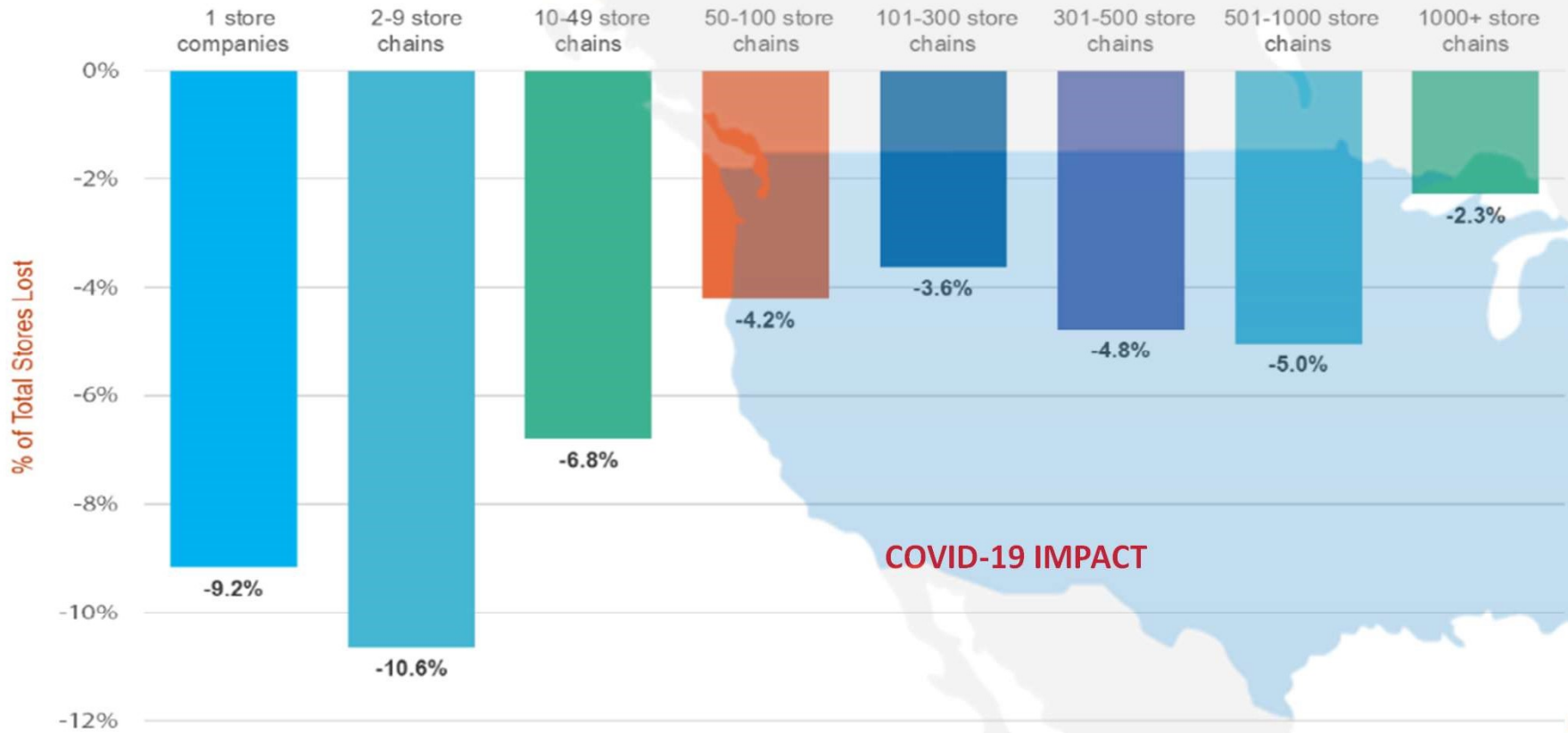
Est. 2020 USA Retail & Hospitality Store Closures By Chain Size



Source: IHL Group
 UPDATED – May 7, 2020



Est. 2020 USA Retail & Hospitality Store Closures By Chain Size



COVID-19 IMPACT

Source: IHL Group
UPDATED – May 7, 2020



COVID-19 Lockdown USA Transfer of Wealth

**GMS
Hospitality**

North America - \$125b

Worldwide - \$285b

**Food/Drug/
Mass/Conv**

**Small
Companies**

North America - \$250b

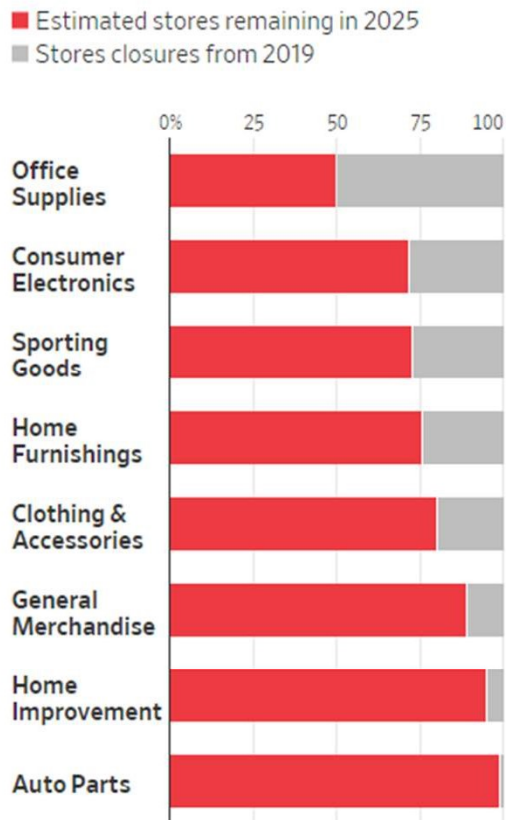
**Large
Companies**

IHL Projects over 254,000 retailers with fewer than 10 locations will go out of business as a result of COVID-19 lockdowns and policies that allowed Mass Retailers like Walmart, Sam's, Costco and Target to be open and sell non-essential categories while small companies were shuttered because they only sold categories that were deemed non-essential by state governments. So if a large company could sold food and cleaning materials and also clothing, sporting goods, home accessories, luggage they could sell all categories, but small clothing, sporting goods, home accessories, luggage and others were forced to shut down.

Sources: US Retail Census through April, 2020, IHL Group



UBS: 100,000 USA Stores to Close Next Five Years



Source: UBS

- From 883,000 stores last year to 782,000 stores
 - 2% of stores to close every year into 2025
 - 28,455 stores closed during 2008 recession
- 50% chance 19 retailers tracked by S&P will default on their debt
 - Five retailers defaulted in 2008 recession
- Lines blurring between physical and digital retail
 - E-commerce to 25% of retail sales vs 15% in 2019

COVID-19 IMPACT

Source: Wall Street Journal, May 15, 2020



Over Stored at the USA Mall

2016 Total Retail Square Footage per Capita



Malls built at 4x population growth rate since 1975



USA retail 10x more space per capita than Germany and est. 20x for apparel / dept. stores

Source: Cowen Research, IHL Group



E-Commerce will not Eat the Physical Retail World

eCommerce will skip a year or two

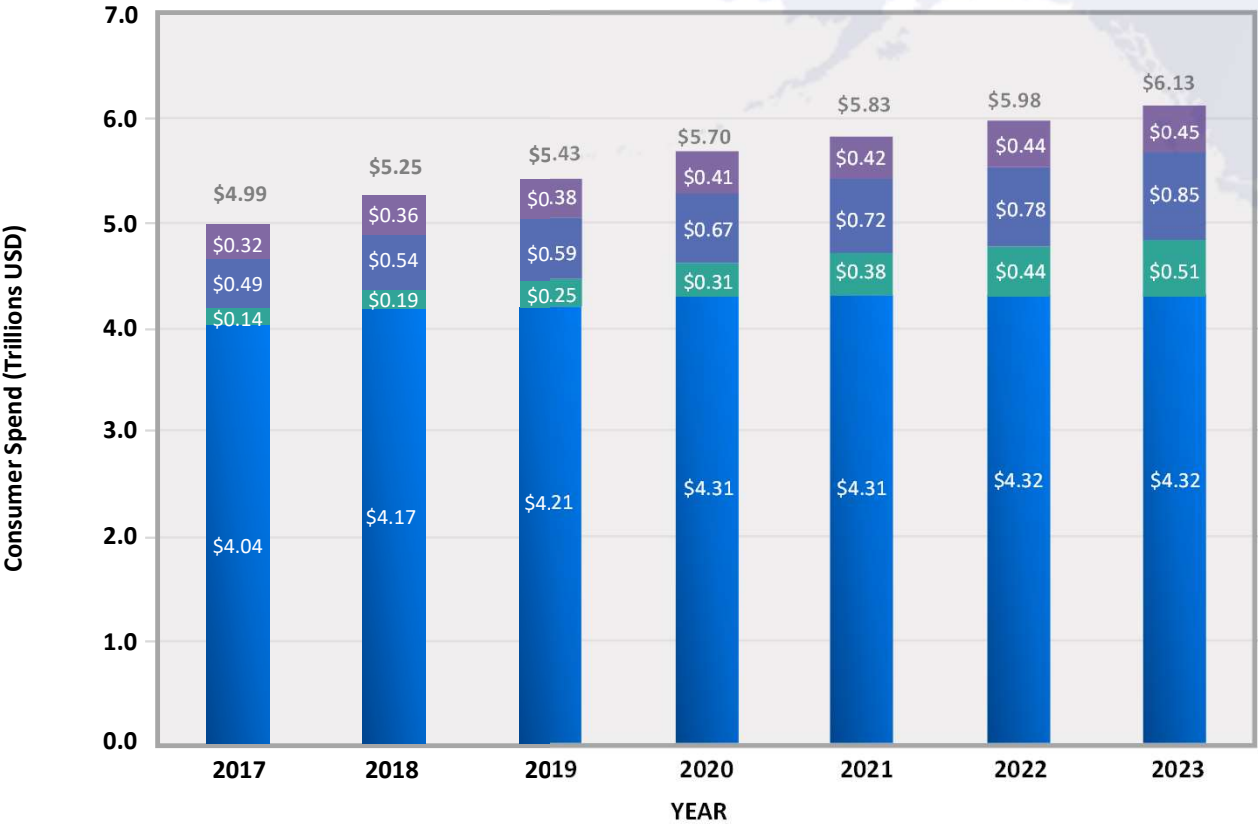


Source: Forrester Data Provided by JLL, 2020



Physical Stores Still & Will Matter in Online Sales

Pre-COVID-19



NA Retail & Hospitality Spend by Fulfillment Channel

- Store Revenue
- Ecommerce Rev. Store Fulfillment
- Ecommerce Rev. WH Fulfillment
- Ecommerce Rev. Fulfillment Center

Source: IHL Group



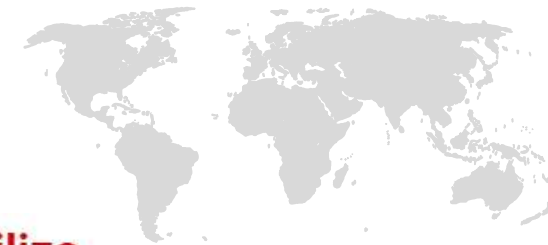


The Retail **Recovery** Is Already Underway

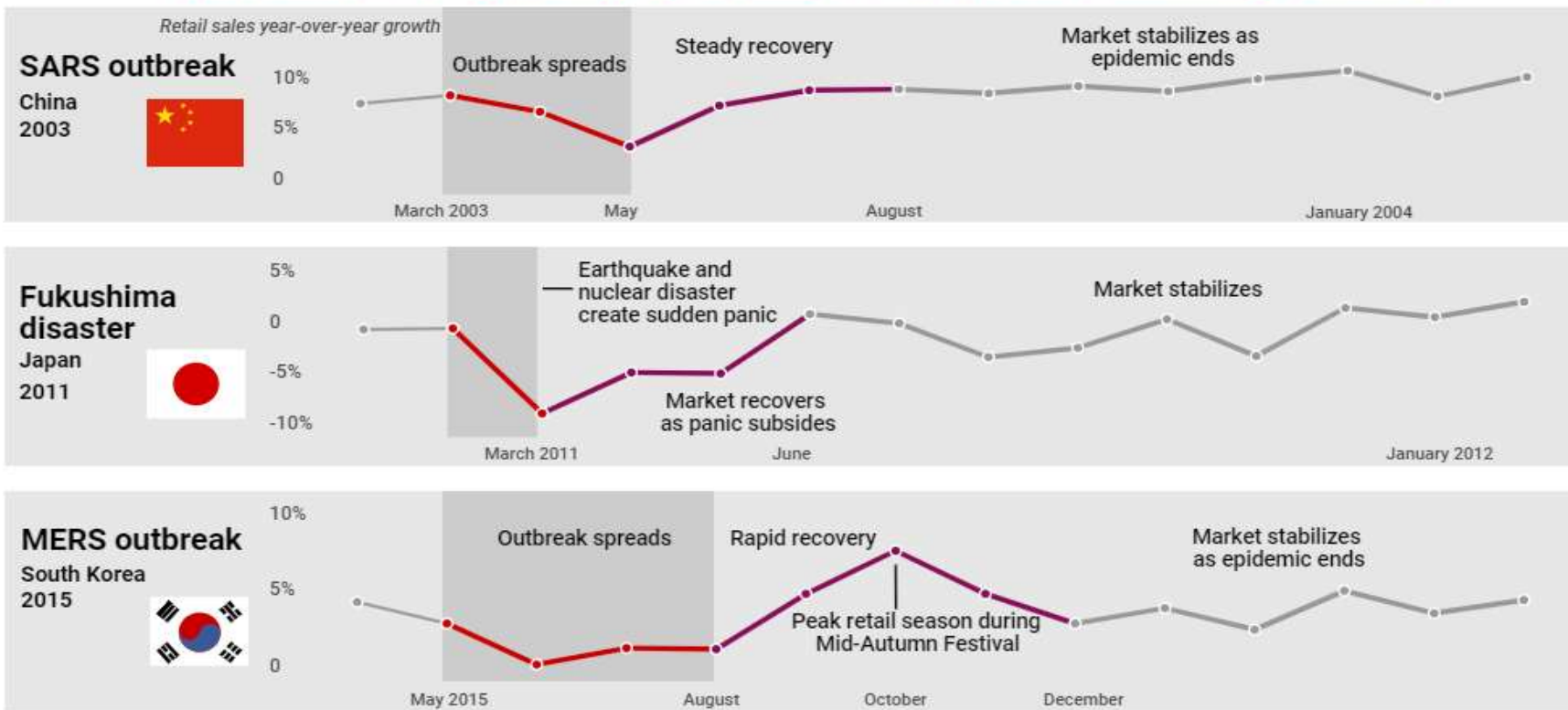


COVID-19 and Retail Sales

Historical Perspectives



Retail markets typically dip during a crisis, but eventually stabilize



Sources: China National Bureau of Statistics; Japan Ministry of Economy, Trade and Industry; South Korea government statistics

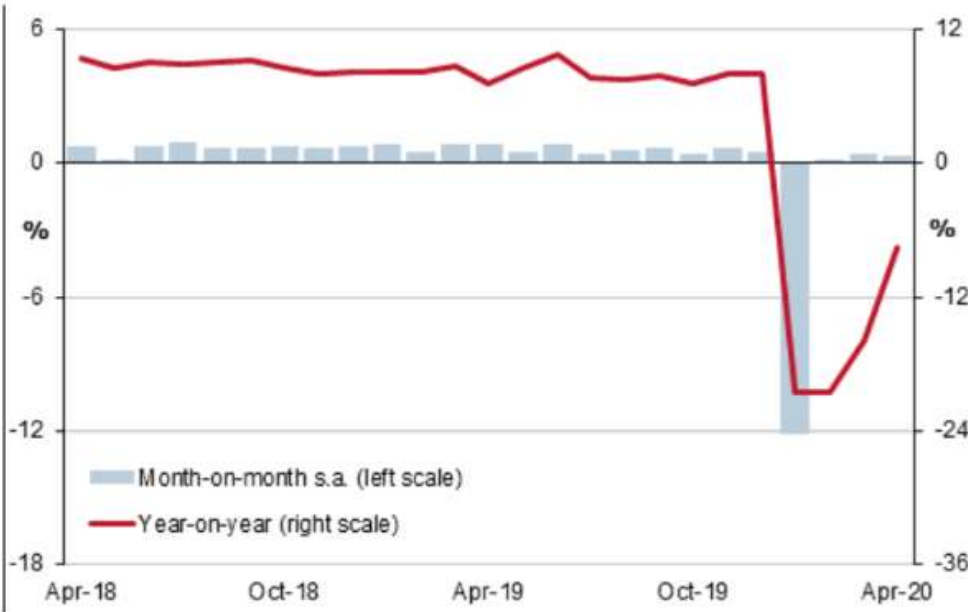
Source:
Bain &
Company, 2020



China Recovery Retail Trends



China Retail Sales



Shanghai



Chanel

Dining



Source: Focus-Economics.com 2020
 Photos: Shaun Rein, China Market Research Group



USA Retail Recovery is Underway

Updated May 24, 2020



Source: GlobalData.com 2020

Current metrics

Last updated: May 24th @ 9.25am Arizona / 12.25pm Eastern



Stores closed

Current number of units and square feet

Store numbers:

104,545
(24.0% of total stores)

Floorspace (sq ft):

1,993
(21.5% of total space)



Stores open with severe restrictions

Current number of units and square feet

Store numbers:

90,170
(20.7% of total stores)

Floorspace (sq ft):

1,974m
(21.3% of total space)

Note: Restrictions means by appointment only or curbside/outdoor pickup only

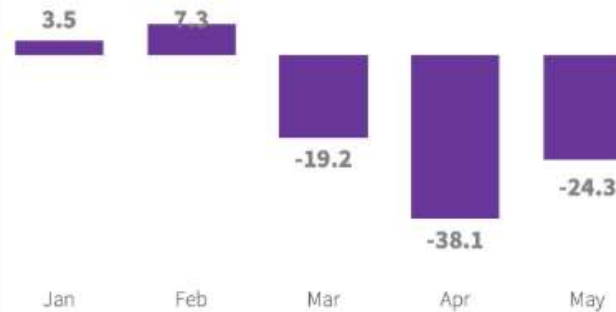
Retail sales growth and forecasts

Last updated: May 14th @ 7.20am Arizona / 10.20am Eastern



Monthly retail sales growth forecast

Year-over-year, non-seasonally adjusted sales



Note: January, February and March are actual data. April and May are forecasts. All data cover 'pure' retail only and so exclude gasoline, foodservice, and auto sales. Forecasts are based on GlobalData's latest model which takes inputs from our consumer panel, retailers and economic data.

Full year forecast for 2020

Year-over-year, non-seasonally adjusted sales



24% stores closed / 20.7% open with severe restrictions

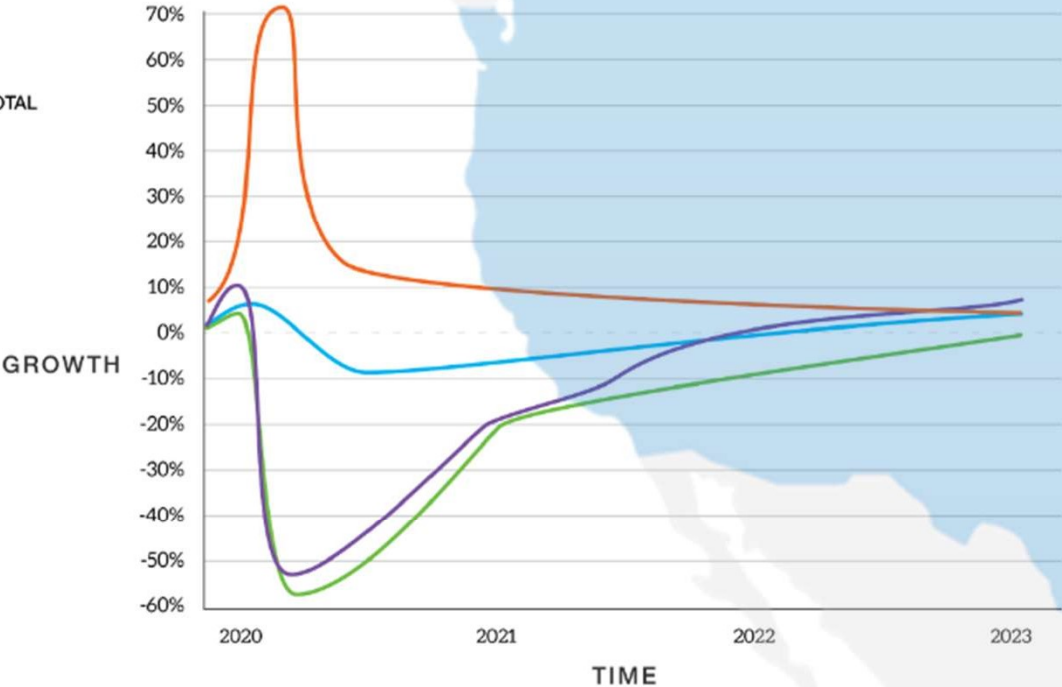


USA Recovery by Segments

Versus 2019 Levels

COVID-19 IMPACT

- RETAIL & RESTAURANT COMBINED TOTAL
- FOOD, DRUG, CONVENIENCE, MASS MERCH SALES
- DEPT STORES, SPECIALTY HARD GOODS, SPECIALTY SOFT GOODS
- RESTAURANTS



Source: IHL Group, 2020

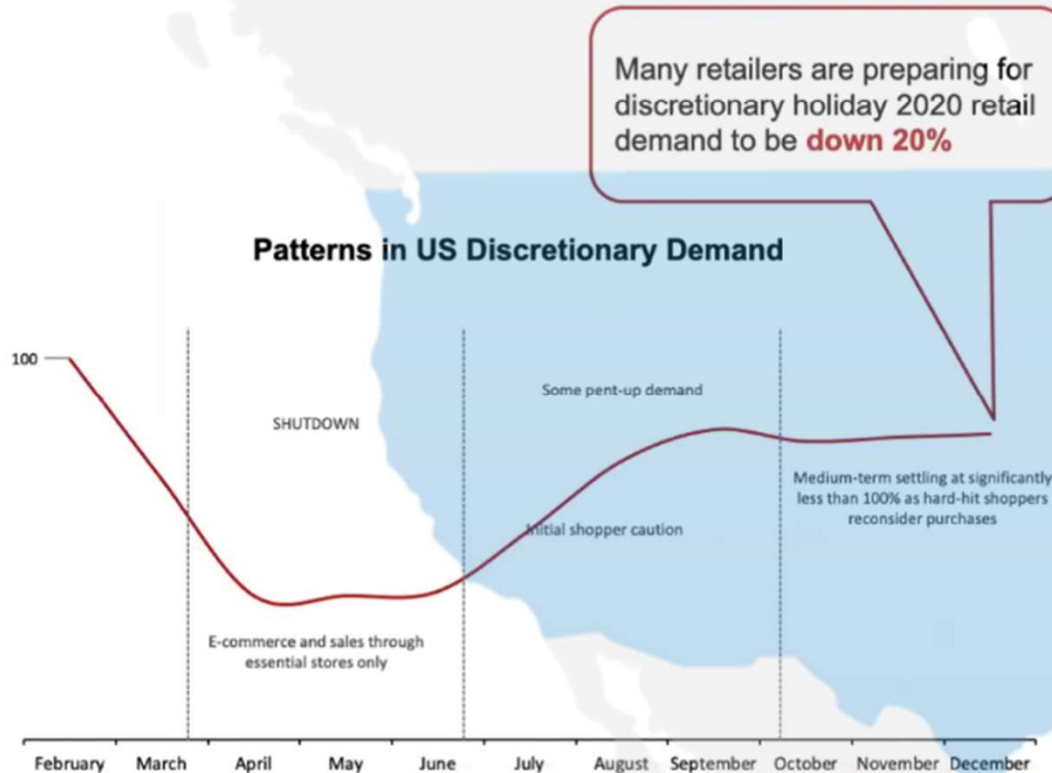


USA Retail Recovery

We model discretionary retail sales in the US in **three phases**:

(March–June)

2. Initial shopper caution with some pent-up demand *(June–October)*
3. Relative stability *(October onward)*



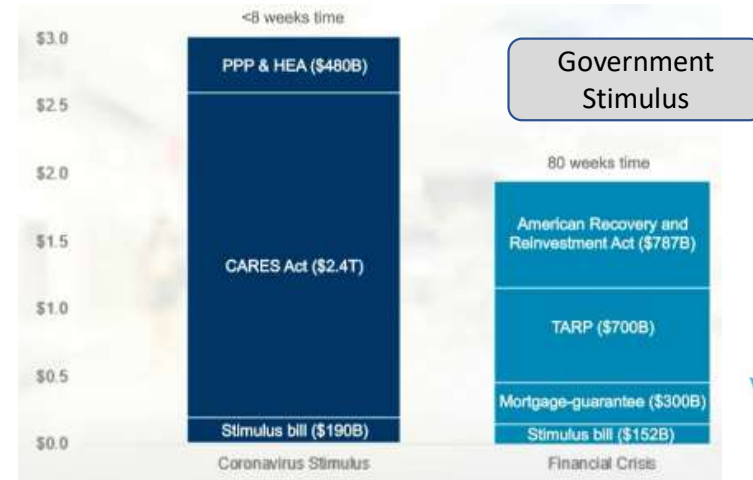
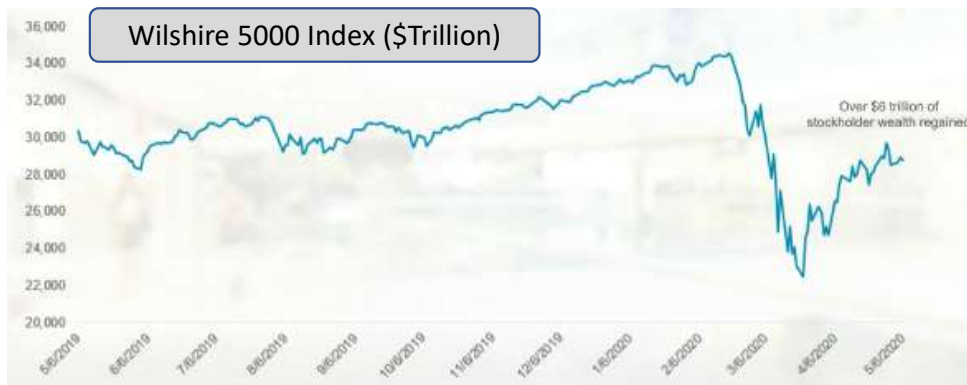
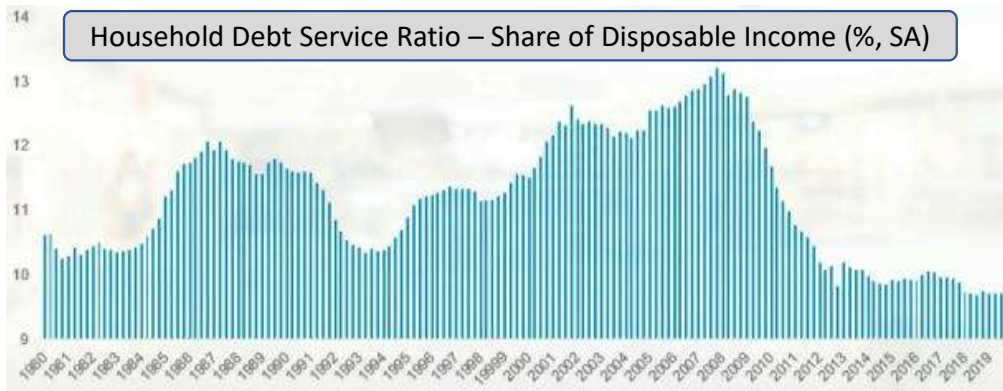
Many retailers are preparing for discretionary holiday 2020 retail demand to be **down 20%**

\$2 Trillion
Estimated Loss
of Discretionary
Sales

Source: Coresight Research 2020



USA Reasons Reasons for Optimism



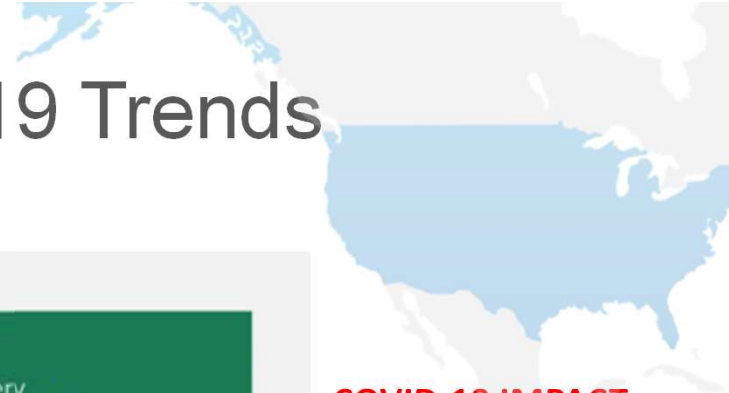


Retail's *New Normal*

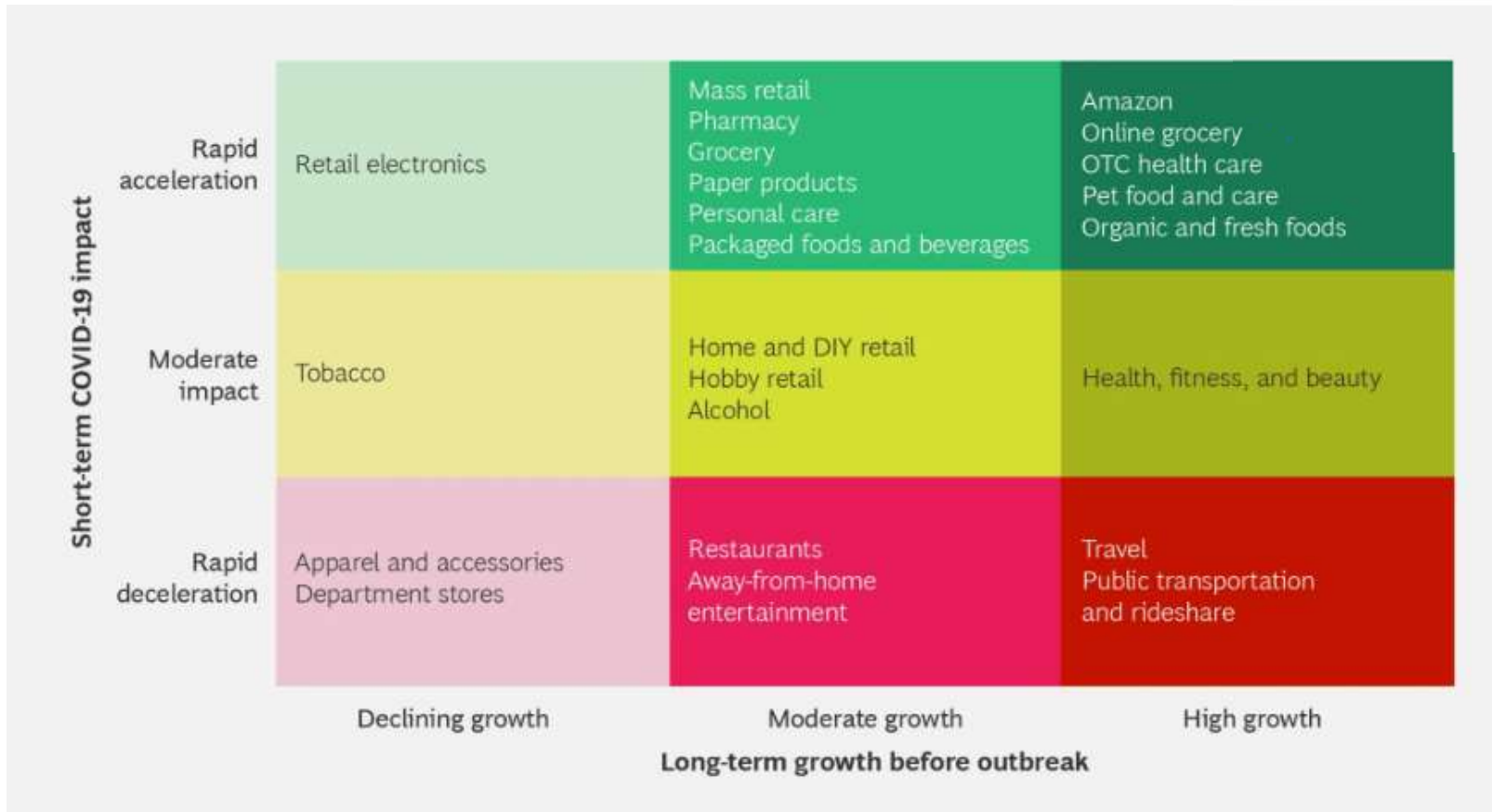


USA – Worsened some pre-COVID-19 Trends

Moderated others



COVID-19 IMPACT



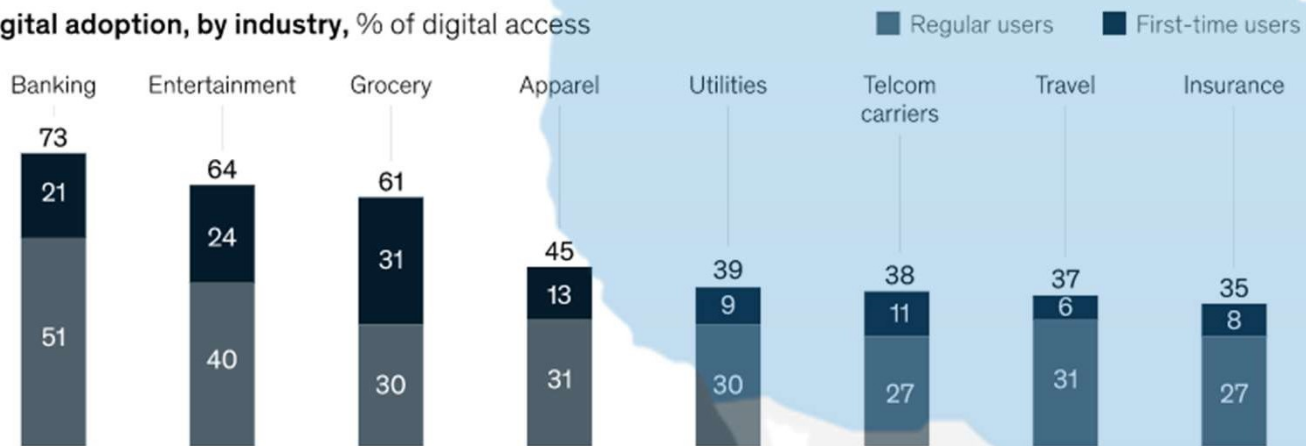
Source: BCG 2020



We are all Digital Natives Now

US consumers are accelerating adoption of digital channels, a trend seen across global regions.

Digital adoption, by industry, % of digital access



Note: Figures may not sum to listed totals, because of rounding.
Source: McKinsey COVID-19 US Digital Sentiment Survey, Apr 25–28, 2020

Source: McKinsey 2020



After The Pandemic

Activities US Adults Are Likely to Do Once the Coronavirus Pandemic Ends, April 2020

% of respondents

Save more and spend less



Avoid nonessential travel



Use car to travel long distance instead of air travel



Order groceries online for delivery



Continue home-schooling children



Move out of densely populated areas and toward rural areas



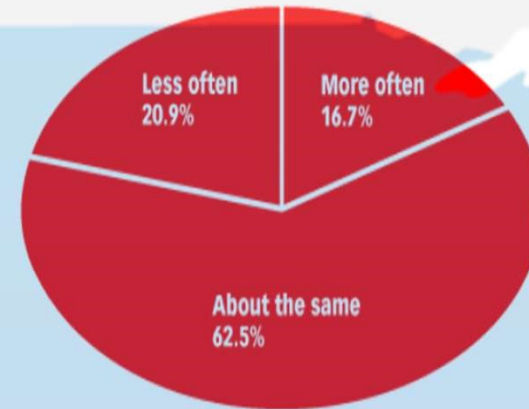
Note: those who answered very or somewhat likely
Source: The Harris Poll, "COVID-19 Wave 8," April 20, 2020

254926

www.eMarketer.com

How Often Do US Adults Think They Will Shop in Physical Stores After the Coronavirus Pandemic Is Resolved?

% of respondents, March 31, 2020



Note: ages 18+; compared with before the pandemic; numbers may not add up to 100% due to rounding
Source: Business Insider Intelligence, "Coronavirus Consumer Survey," April 6, 2020

254522

www.eMarketer.com

Source: E-Marketer 2020



How is COVID-19 Changing Consumer Behavior



47% of consumers have increased the amount of **online shopping** they do



39.3% have been **unable to find** everything they wanted online



25.5% have **not been receiving** orders on time

USA COVID-19 IMPACT



27.2% of consumers were not offered all of the fulfillment options they wanted • **60.5%** of respondents age 18-24 in that group **prefer BOPIS** to home delivery and **29.1%** of that group prefer curbside delivery and were not given those options.



73.5% care about **product country of origin**

36.4% for the **first time**



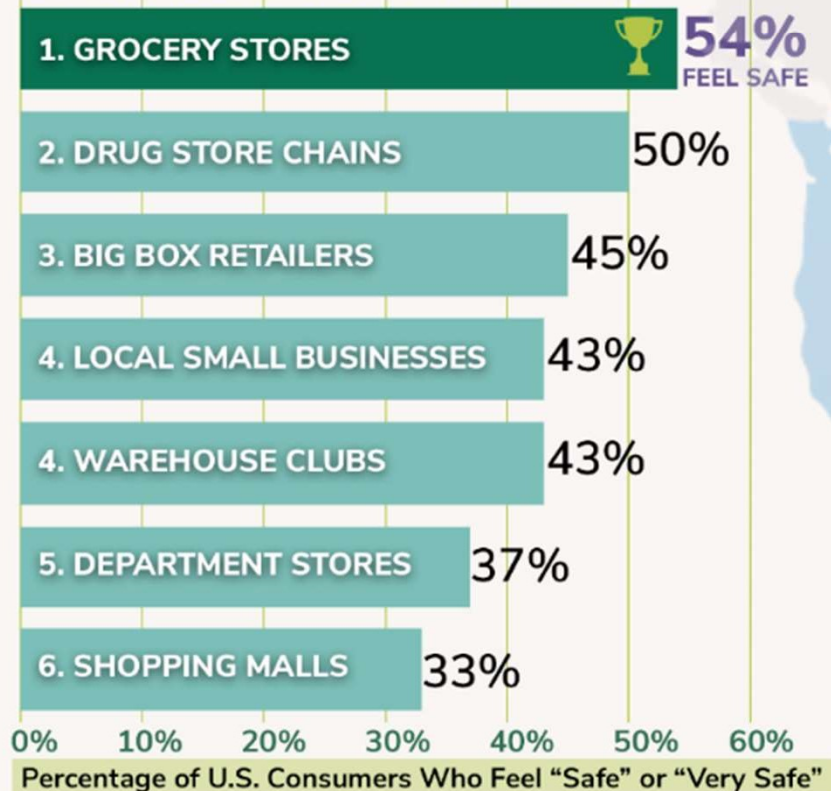
Source of goods is **most important** to the **18 to 24** age cohort.

Source: Retail Touch Points / IDC 2020



Safety, Safety, Safety, Safety

OVERALL SAFETY RANKING



Women do NOT feel safe

- 65% trying clothes in a dressing room
- 78% testing beauty products
- 66% working with a sales associate



80%
PREFER TO USE
THEIR OWN










75%
PREFER TO USE
THEIR OWN



Source: First Insight 2020



Safety, Safety, Safety, Safety

Name	ShopSafely Score ⓘ	Contactless Pickup	Mask Required for Associates	Mask Required for Customers	Traffic Limited
Walmart	B- 	✓	✓	✗	✓
Kroger	B 	✓	✓	✗	✓
Costco	B- 	✗	✓	✓	✓
Walgreens	B- 	✓	✓	✓	✗
Home Depot	B- 	✓	✓	✗	✓
CVS	C 	✗	✓	✗	✗
Target	A- 	✓	✓	✗	✓



Source: Shopsafely.co 2020



The In-Store “New Normal”

NORDSTROM

- Limit number of customers in stores. Employees count customers and offer guidance.
- Close some fittings rooms and clean those that remain open after each use.
- Hold clothing that has been tried on or returned for a "period of time" before returning it to the sales floor.
- Increase cleaning and sanitizing, especially around high-traffic areas.
- Add plexiglass partitions to checkout areas.
- Shift to contactless payment options.
- Add drive-thru order pickup and dedicated parking spaces for returns.
- Suspend services like alterations; beauty makeovers; skin-care and specialized beauty services; and dining-in services at restaurants. ATMs and water fountains will also be closed.
- Shift from in-person styling appointments to virtual consultations.



Source: Business Insider 2020

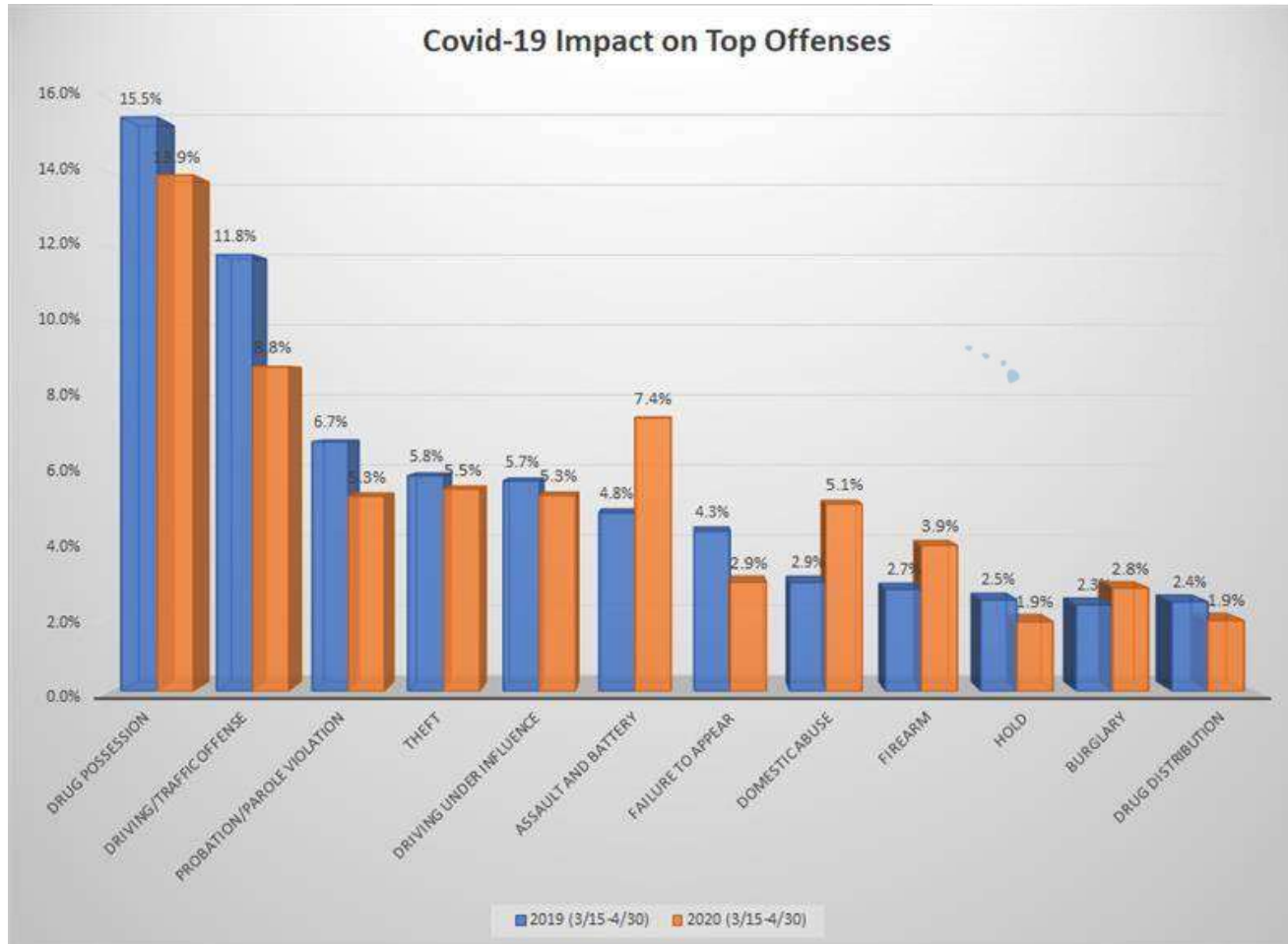




COVID-19 *Crime Trends*



USA General Crime Trends



Less Focus by Law Enforcement on enforcing low-level offences

OFFENSES
ENFORCED LOW-LEVEL



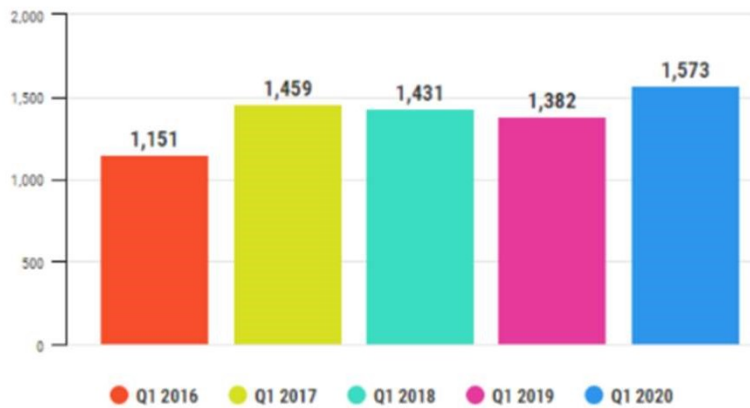
Source: Policeone.com 2020



USA Retail Crime Trends

Robberies & Burglaries

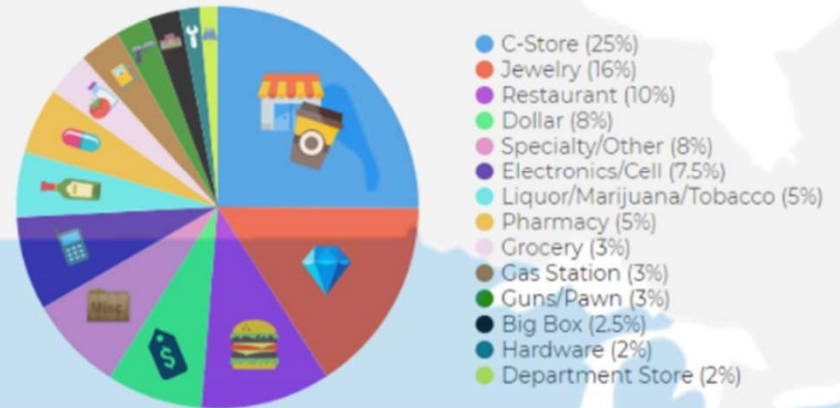
Yearly & Quarterly Comparison
2016-2020



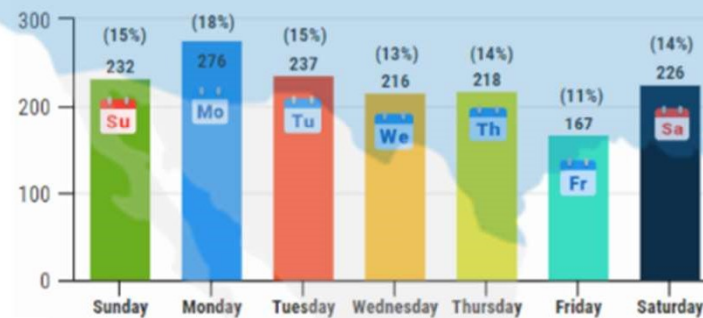
Q1 Robberies Up 37% From 2016 - 14% from Last Year

Source: D&D Daily Q1 / 2020

Q1 2020 Robberies & Burglaries by Store Type



Q1 2020 Robberies by Weekday
Monday Highest & Friday Lowest All Years



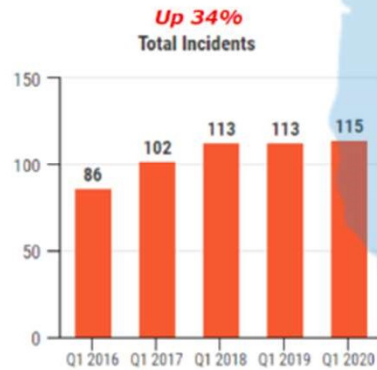
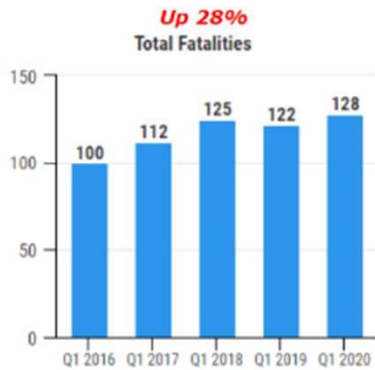
*Not all incidents reported a weekday



USA Retail Crime Trends

Violent Fatalities

1st Quarter Comparison
2016 - 2017 - 2018 - 2019 - 2020

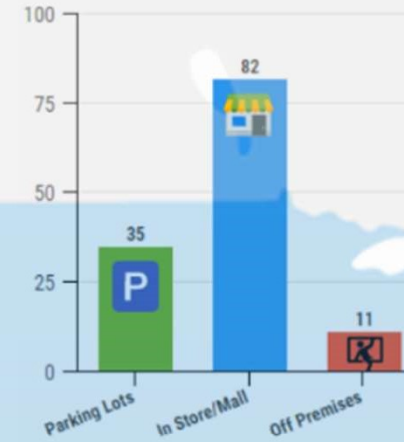


- **128 Fatalities – Up 28% Over 2016**
- **115 Incidents – Up 34% Over 2016**
- **Most Q1 Fatalities & Incidents Ever Recorded**

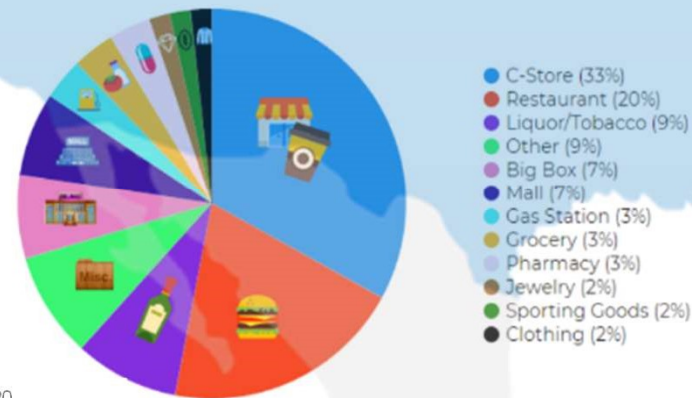
Source: D&D Daily Q1 / 2020

Q1 2020 Fatalities Location

64% In-Store, 27% Parking Lots, 9% Off Premises



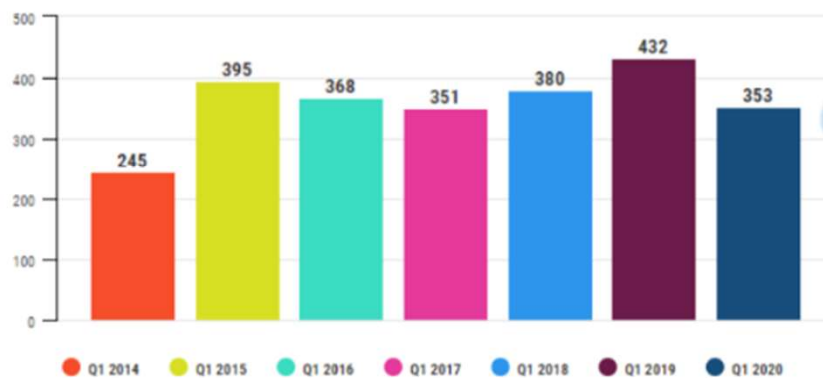
Q1 2020 Fatality Incidents by Store Type
C-Stores Top Store Type Five Straight Years



USA Retail Crime Trends

Organized Retail Crime (ORC)

Q1 ORC Case Comparison
Down 18% Since '19 - Up 44% Since '14



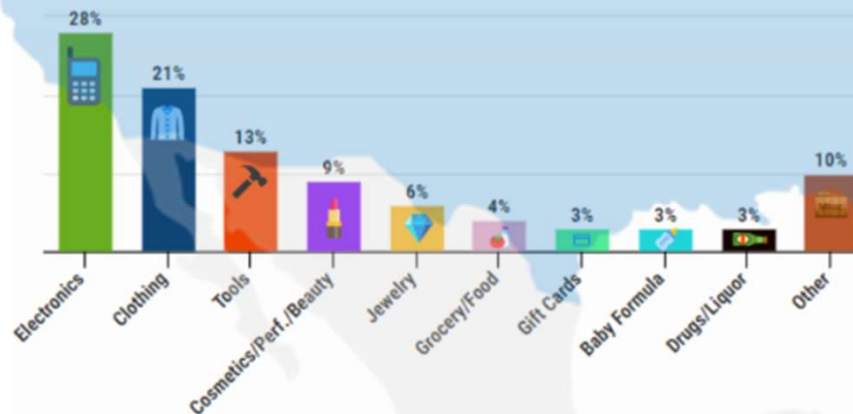
ORC Cases Drop 18% Since Q1 2019 - Up 44% Since '14
Average Dollar Amount Up 86% Since Q1 2019

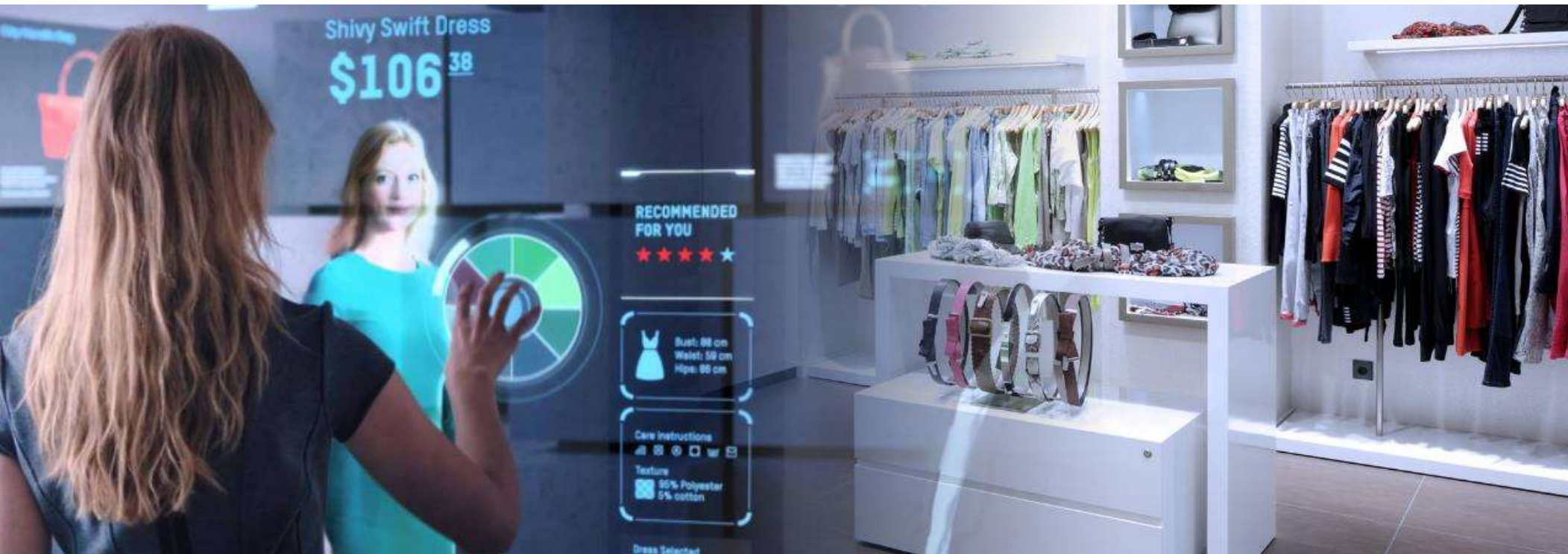
Source: D&D Daily Q1 / 2020

Q1 ORC Cases by Total & Average Dollar Amount

Q1	\$ Amount Reported	\$ Average Per Case
2014	\$116,392,986	\$152,624
2015	\$380,464,168	\$140,415
2016	\$208,051,138	\$21,878
2017	\$32,912,889	\$93,768
2018	\$32,829,145	\$86,392
2019	\$23,655,937	\$54,759
2020	\$36,027,712	\$102,061

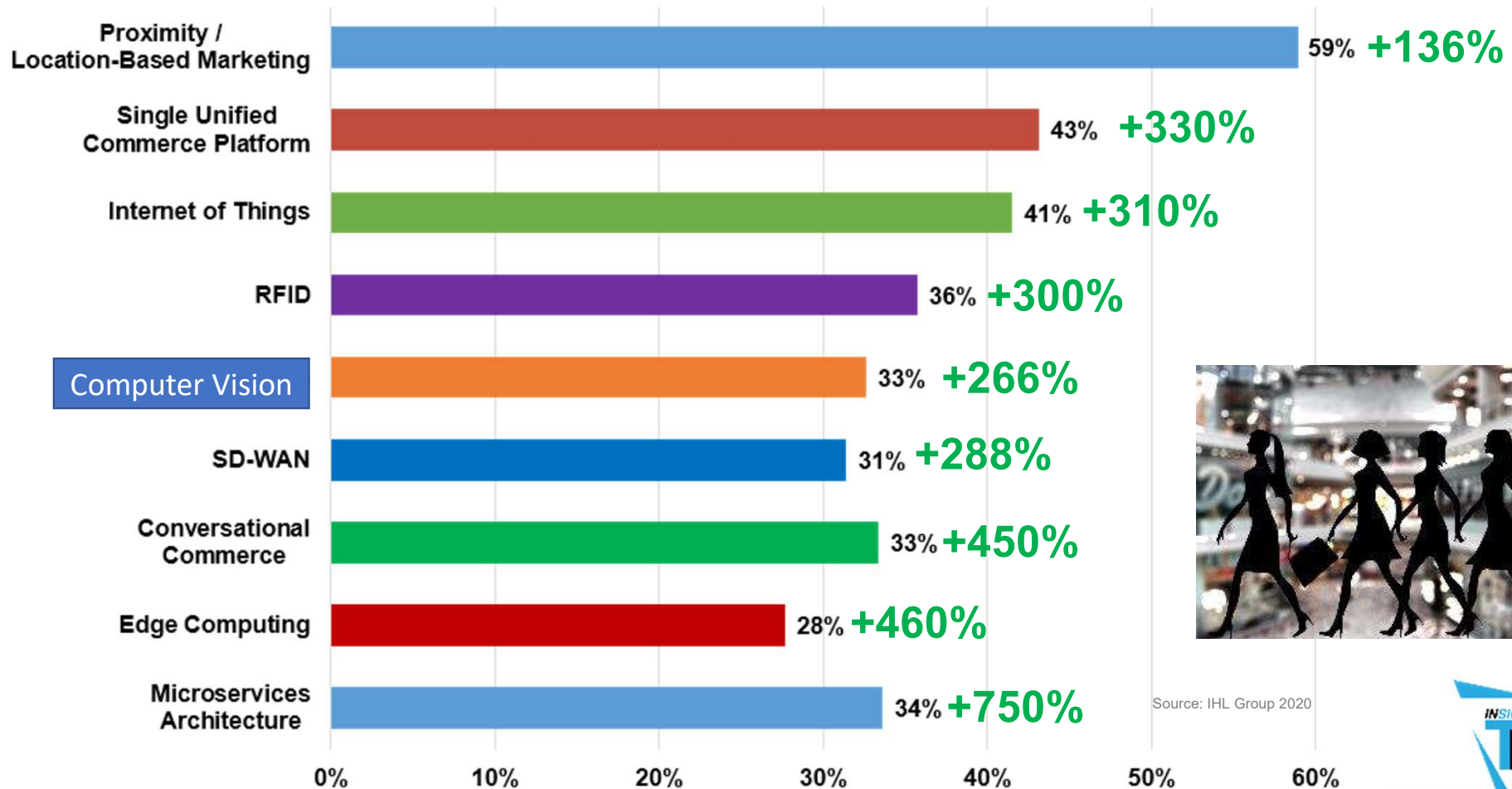
Q1 ORC Cases by Merchandise Stolen
Electronics & Clothing Most Targeted Four Years Running





The Post COVID-19 *New Normal* Future of Retail

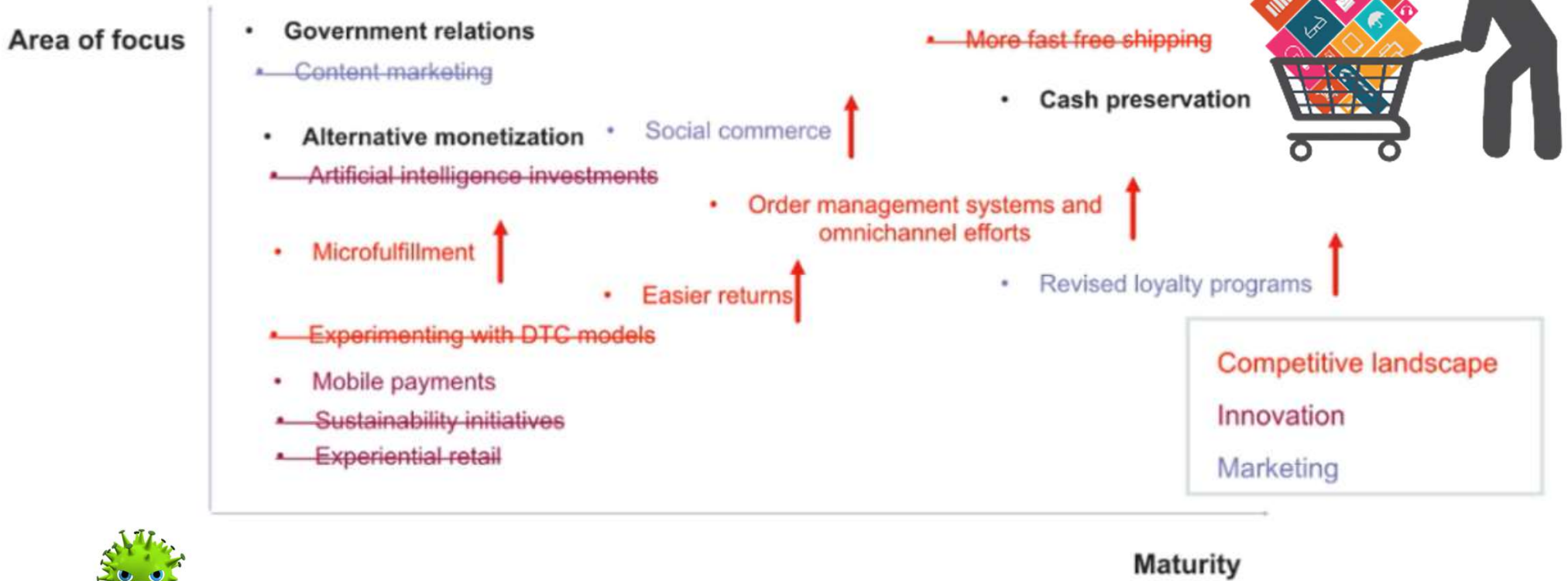
Pre-COVID-19 Store Transformation Technologies Within 24 Months



Source: IHL Group 2020



Post COVID-19 Investment Changes



Source: Forrester Data Provided by JLL 2020



“New Normal” Technology Priorities

Next 12 to 18 months



RETAIL INDUSTRY
LEADERS ASSOCIATION

- Social distancing simple solutions with alert capabilities.
- Max occupancy technologies with alerts
- Mass accurate / temperature taking technologies
- Efficient recording of health screen questionnaire responses
- Contact tracing for employees
- Returns process management
- Contactless POS including ability for retailers to accept credit card applications.
- Technology to attack crime, identify what's behind the mask, increase deterrence.
- Cash payment in general is a significant talking point.



Source RILA 2020



Welcome to Frictionless Commerce

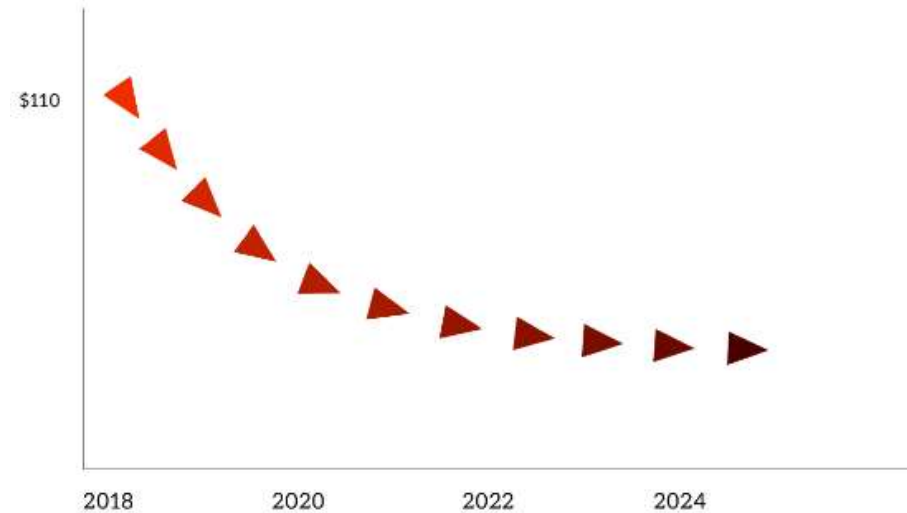
Shopping Process



Rates at Which Retailers Planning Frictionless Have Already Implemented Other Key Technologies



Cost of Frictionless Per Sq. Ft.



Removing loss prevention technologies **3%** of annual sales can lead to losses of more than



Source: IHL Group 2020



Autonomous Vehicles



Inventory
Visibility



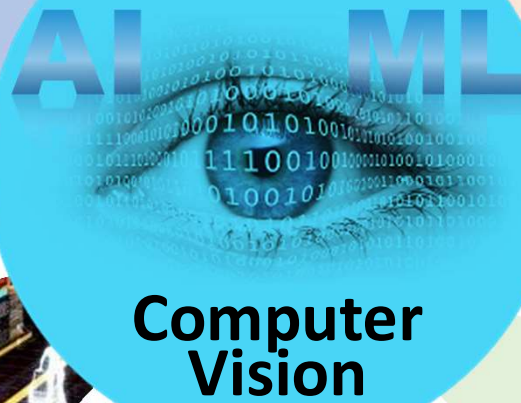
Autonomous Stores



Paul / Male
26 Years Old

Happy Smile

Sentiment /
Demographics



Computer Vision

Contextual
Product
Information



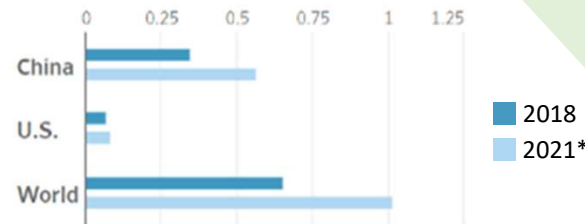
Facial
Recognition



Theft
Prevention

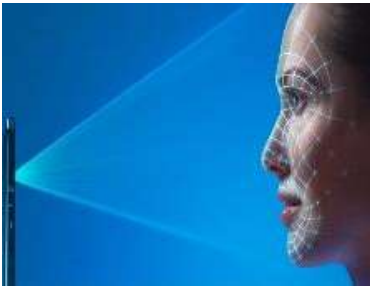
*Projection
Source: HIS Markit

Installed base of security cameras, in billions



PERSONALIZATION/ACCESS/AUTHENTICATION

In the pockets of consumers
1 Billion+ Smart Phones



Food & Beverage brands
offering personalized
contactless experience



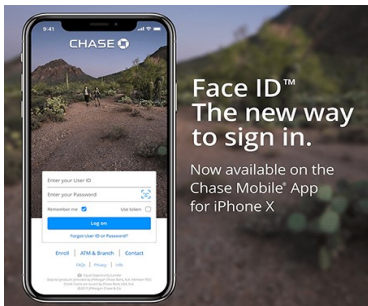
Manufacturers leveraging it
for security & safety



Travel companies for
authentication & ease of
boarding



Banks for authentication –
couch to loan approval



Hotels greet guests, speed of
check in & personalization



Automotive
manufacturers for car
access



Beauty brands letting
consumers try on
makeup virtually



COMPUTER VISION FOR LOSS PREVENTION

Main Use Cases – Shrink reduction, combat ORC, reduce in store violence, investigation time savings

43% of retail evaluating or had deployed face recognition going into 2020

5 of the Top 10 US Retailers have deployed

INCREASED AWARENESS AND EDUCATION AMONG LP
HOW TECHNOLOGY WORKS

ROI in Loss Prevention - White Papers very strong



COMPUTER VISION TOMORROW

CONTACTLESS TRANSACTIONS



Replacement of credit / debit cards with touch-free solutions & more secure transactions

CONNECTED WORKFORCE



AI contactless check ins for employee time and attendance and security inventory devices

CURBSIDE/LOCKER PICK UP



Quicker, more secure authentication through computer vision at curbside

CRIMINAL ACTIVITY



Smart AI computer vision solutions to attack Organized Retail Crime (ORC)

AI BASED SHOPPING

Instore expanded sensors improving merchandise relevance, consumer personalization, & optimizing engagement at key buying decision points.

ACCESS CONTROL



Contactless smart entry replacing historic plastic badges

The Evolution of Loss Prevention

Visual Intelligence



Data Intelligence



Physical Security



Shopper Engagement
Green & Red



Face Recognition



Retail Loss Prevention Disrupted



Cxx Focus

Brand Value Differentiation

Real-Time Consumer Loyalty

Immersive Unified Customer

Experiences

Smart Supply Chains



LP Cxx Moment

Brand Integrated Security / Video Analytics / Machine Learning

Data / Visual Zone Deterrence

Prescriptive Data Analytics

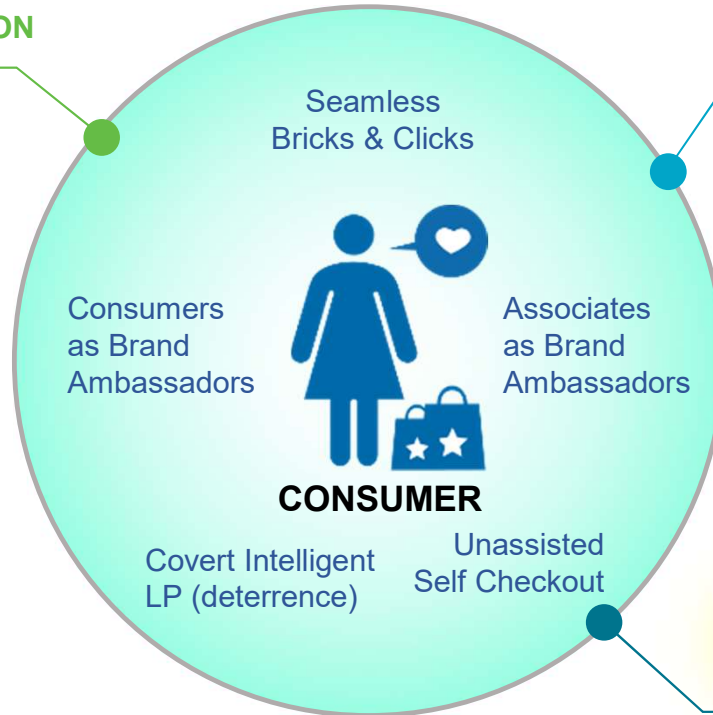


The SMART Store of the Future



STORE DATA EXPLOSION

- POS
- Labor Scheduling
- Planograms
- Store Traffic
- Loyalty Programs
- Video
- RFID
- HVAC
- Internet of Things
- Beacons
- Wearables
- Robots
- GPS Tracking



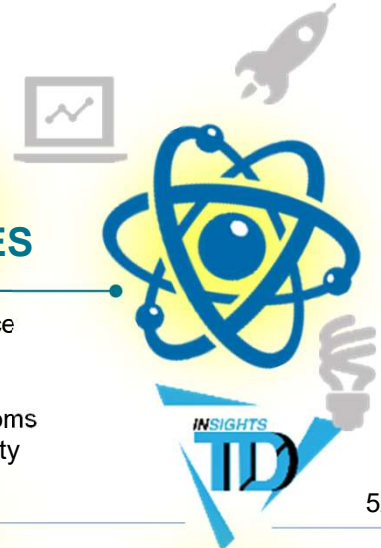
INTELLIGENT FILTERS

- Computer Vision
- Artificial Intelligence
- Machine Learning
- Big Data
- Facial Recognition



IMMERSIVE EXPERIENCES

- Unified Commerce
- Smart Mirrors
- Smart Floors
- Smart Fitting Rooms
- Augmented Reality
- Virtual Reality



“COVID-19 has become a brutal accelerator of digital transformation trends that were already underway.” – Tony D’Onofrio

THANK YOU

“*Vision without execution is hallucination.*”
~ Thomas Edison

You are the Leaders
to **Shape It.**

For MORE Visit
www.tonydonofrio.com

Stay Safe
Stay Strong

INSIGHTS
TD