

Outbreak: Retail Supply Chain Impacts of Coronavirus

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Presenters



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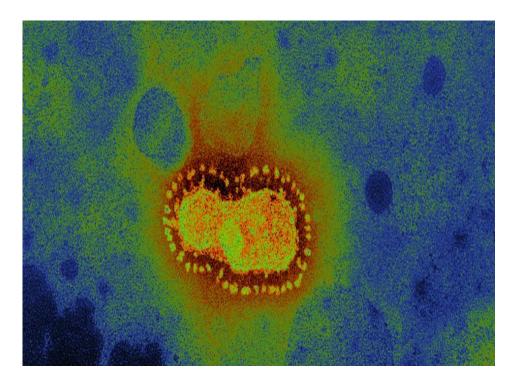
COVID-19

How is it impacting my business?

How bad might it get?

What should I do?

Can we help each other?





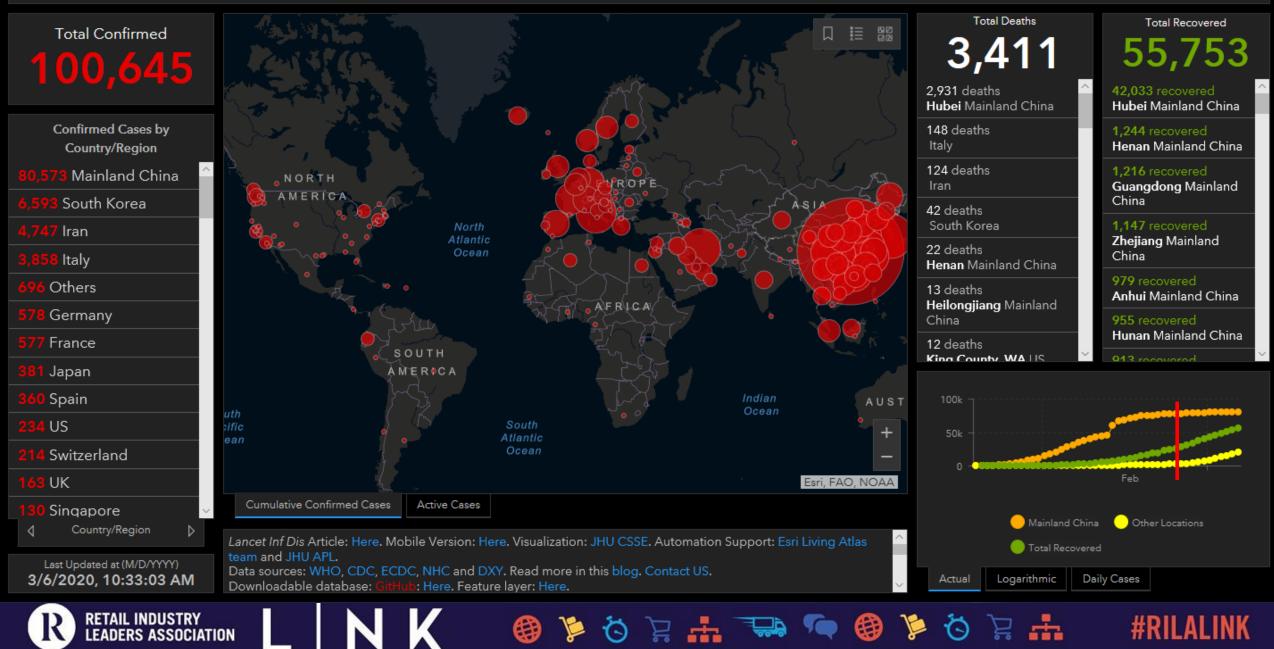
OUR METHODOLOGY





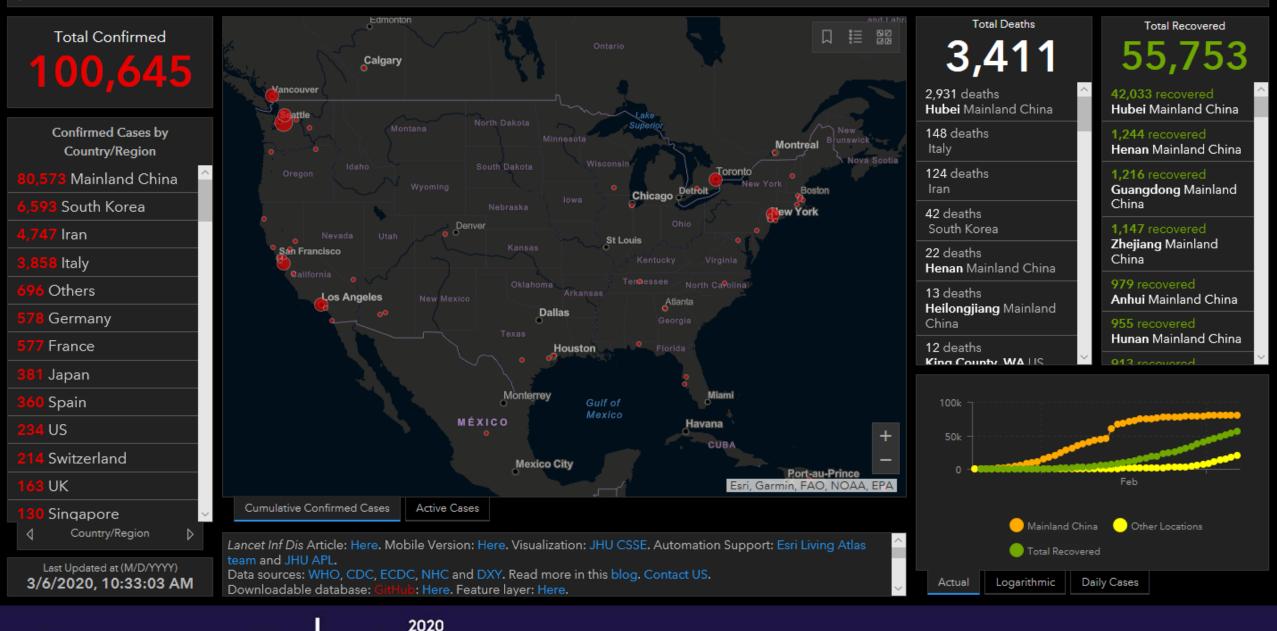


Coronavirus COVID-19 Global Cases by Johns Hopkins CSSE



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Coronavirus COVID-19 Global Cases by Johns Hopkins C33E



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BAD OR REALLY BAD?

How contagious is the virus?

How deadly is the virus?

How long does it take to show symptoms?

How much have infected people traveled?

How effective or impactful will the response be?

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How long will it take to develop a vaccine?

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GLOBAL ECONOMIC IMPACT

% of GDP: 4% to 16%

Q1 GDP growth from 4.8% to 3.6%

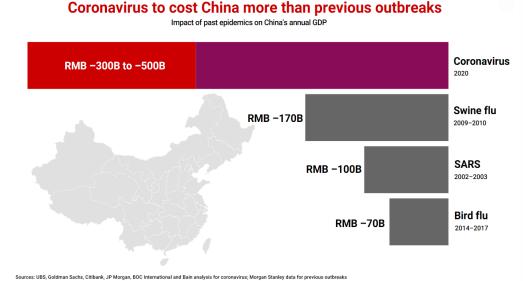
COVID-19 in 1,487 (from 717) Earnings Calls since Jan 20

1% drag on global GDP

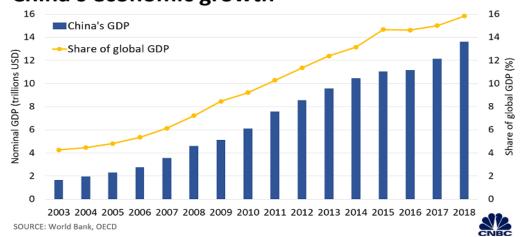
Global impact - \$40 billion-\$1tr

Airlines – \$113bn loss 2020 (from \$30bn)

Sources: CNBC, Citi, Amenity Analytics, D&B, Exford Economics, UNWTO, IATA

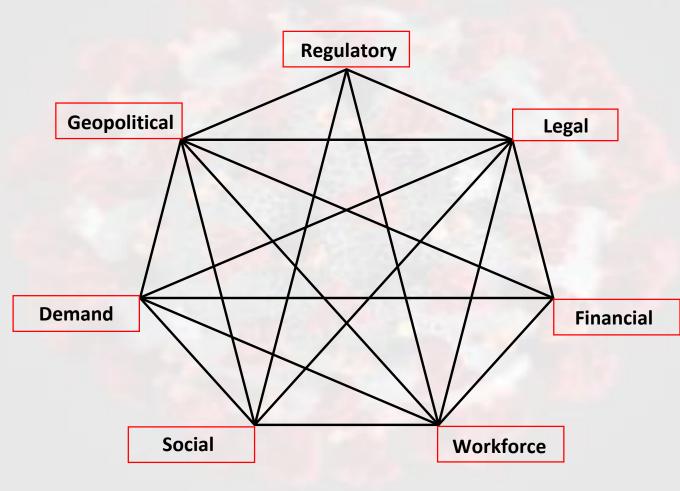


China's economic growth





RISK DEPENDENCIES







DEMAND RISK

Store closings & reduced demand in China

Drop in global spending by Chinese consumers

Other countries may follow

Reduced spending if US consumer concerns grow

Recession

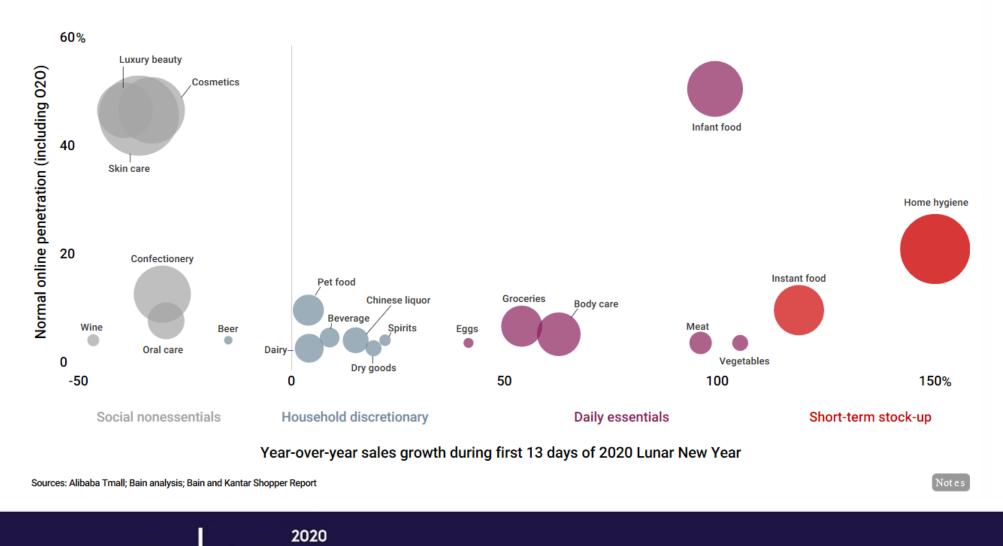


https://www.usatoday.com/story/money/2020/02/20/china-coronavirus-spread-threatens-us-economy-commerce/4806939002/



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The outbreak caused dramatic shifts in online purchases of consumer goods





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GLOBAL SUPPLY CHAIN IMPACT

China represents 30% of global manufacturing

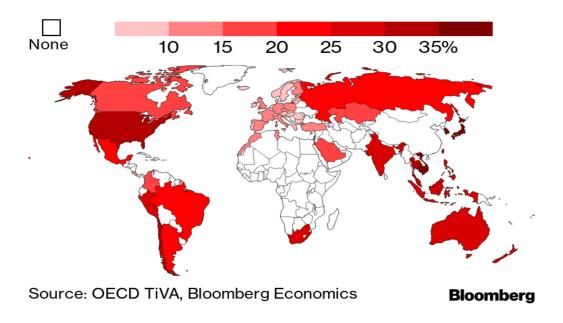
China produces up to 90% of active drug ingredients

51,000 companies with Tier 1 suppliers in China

Retail, electronics, Pharma and automotive sectors.

How Coronavirus Can Infect Global Supply Chains

Share of all imports of intermediate products coming from China





IMPACT ON LOGISTICS IN CHINA

- Reduced outbound ocean freight capacity Inbound congestion at ports
- Flight resumption for domestic airlines Residual impact for the next few weeks
- Reduced air freight capacity until April Higher air cargo rates into China
- Labor shortages Increased trucking costs





IMPACT ON LOGISTICS IN THE US

- Drop in container volumes Low labor levels at west coast ports
- Weak demand for domestic trucking Yard congestions and backlogs
- Reduced flight operations by US airlines Limited capacity to China, Italy & South Korea
- Inventory shortages faced by retailers Supply constraints
- Increased imports into North America in Q2 Tightened domestic trucking capacity





RETAIL SUPPLY CHAIN IMPACT

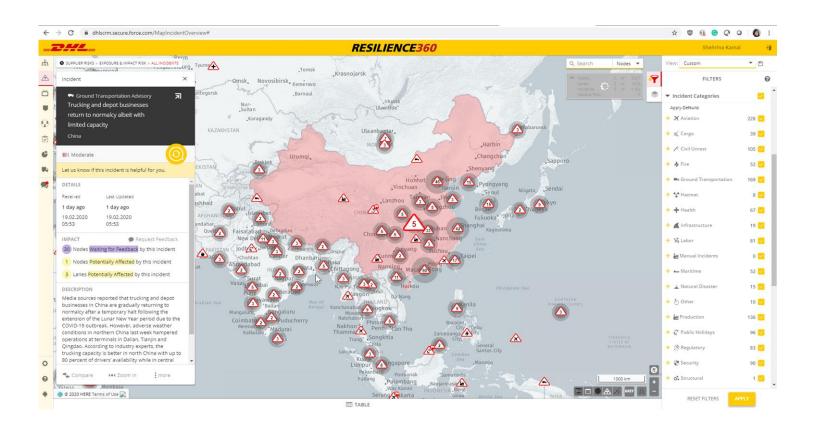
Supply base

Network complexity

Product Type

Network Location

Inventory strategy





ACTIONS TO TAKE

SHORT TERM

Ensure safety of staff and partners

Educate internal staff and key suppliers

Communicate, communicate, communicate

Identify key suppliers in affected areas

Understand and monitor their status

Secure alternative sources

Prioritize and increase inventory levels

Secure alternate logistics capacity

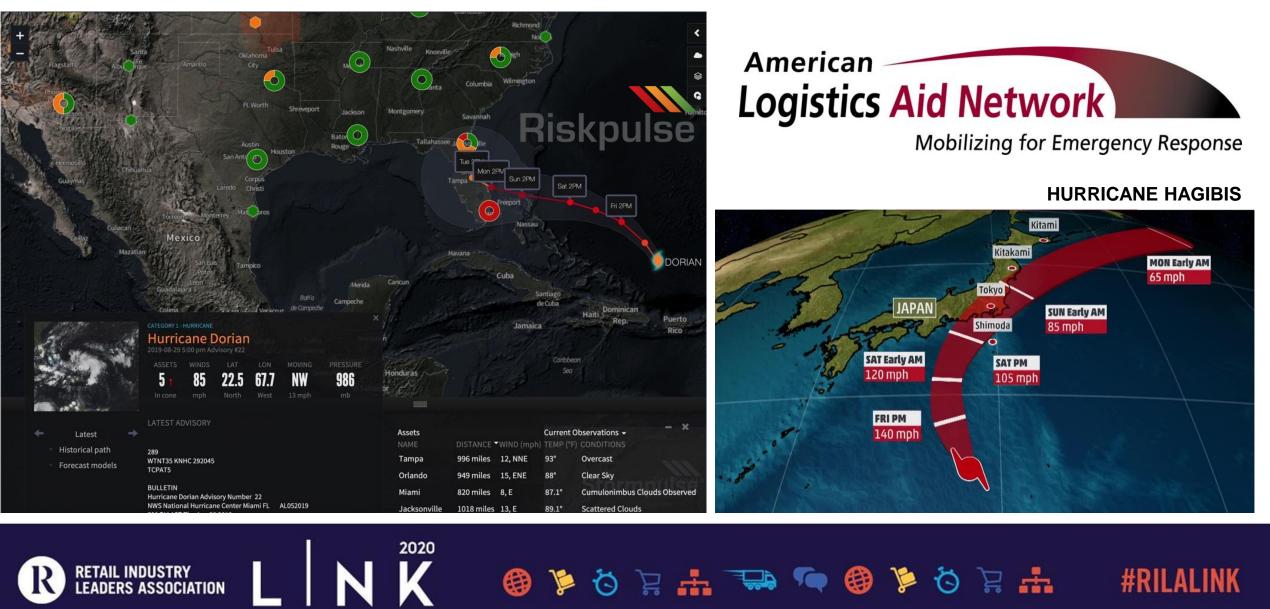
Seek local demand data

LONGER TERM

Map end to end supply chain Risk-assess network (risk concentration) Adjust where necessary Monitor risk disruptive to supply chain Map to product/revenue/profit at risk Design and test contingency plans Use omnichannel to 'balance' to demand risk Resilience through Agility



THE NEXT DISRUPTION?





SUPPLY CHAIN RISK MANAGEMENT 2025

- Fully Integrated and Automated
- End to end
- Dynamic
- At the Shipment and Network Level
- The "Risk-adjusted" Supply Chain

"If we get it right,

we will not call it

supply chain

risk management"







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