Building Coalitions in COVID-19 Response

Center for Supply Chain Research®, Penn State University
Agenda

- Introduction
- Guest expert
- Breakouts
- Breakouts recap
- Q&A / Open forum
Previously on Our COVID-19 Virtual Town Hall Series

Collaboration
A noticeable pattern in the wake of COVID-19 crisis

1. Supply Chain Management in Novel Coronavirus (COVID-19) Crisis
2. Mobility with Care in Novel Coronavirus (COVID-19) Crisis
5. Emerge and Recover: Predicting the Response of the US Trucking Market to the COVID-19 Pandemic
Supply chain disruption in the wake of COVID-19 crisis is atypical and complicated.

- Every region is impacted, but not in the same way.
- Impacts are multi-phased, with unknown duration and unknown impact.
- Widespread scope impacts both goods and services.
- Public fear is longer-term and risks are invisible / unknown.
Stories of Supply Chain Collaboration
Various Areas of Collaborative Focus

COVID-19 Intelligence
**Examples:** COVID-19 National Response Portal; Data Coalition (e.g. Amazon Web Services (AWS) COVID-19 data lake, Tableau COVID-19 Data Hub, USAFacts Coronavirus Hub)

Medical device manufacturing
**Examples:** Manufacturing Coalition; Masks Now Coalition; MasksOn

Medical supply-demand connection
**Examples:** Supply Connector; Rapid Supplier Connect; Demand Data Hub; Protecting People Everywhere; Dynamic Ventilator Reserve

Supply chain-wide management
**Examples:** C19 Coalition; PPE Supply Chain Network; FEMA whole-of-America response’s Supply Chain Task Force

Distribution and logistics
**Examples:** Project Airbridge; Business Roundtable, Project HOPE, and Healthcare Ready collaboration

*** See extended list of examples and further details in CSCR® COVID-19 Snapshot Highlights 4/20 ***
Our Guest Expert

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Principal Health Systems Engineer
The MITRE Corporation

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Mayo Clinic, MIT Faculty, and Leavitt Partners approached MITRE to activate and manage the COVID-19 Healthcare Coalition (C19HCC) in March 2020.

The coalition partners share expertise, capabilities, and information with a singular goal: provide data-driven, real-time insights to improve clinical outcomes.

Over 800 Companies have joined C19HCC so far.
COVID-19 Healthcare Coalition
Public Coalition Members (over 800 total members)

- Alliance of Chicago Community Health Centers
- Allscripts
- Amazon Web Services
- Arcadia.io
- ATA
- athenahealth
- Astrix
- Aya Healthcare
- Biodex
- Blockit
- Boston Children's Hospital
- Boston Medical Center
- Boston University
- Bottomline Technologies
- Box
- Buoy Health
- Cardinal Health
- Cerner
- Change Healthcare
- Chartis
- Collaborate
- CommonWell Health Alliance
- Coviviti
- Cox Business
- Define VC
- Designing for Analytics
- Diagnostic Robotics
- Efia
- Endpoint
- Epic
- Google
- hc1
- HCA Healthcare
- Health Catalyst
- Hispanic Association of College & Universities
- HL7
- Innovaccer
- Intel Corporation
- Intermountain Healthcare
- LabCorp
- Lantana Consulting Group
- Leavitt Partners
- LHKO
- Lighbeam Health Solution
- Llamasoft
- MassChallenge
- Mayo Clinic
- MazikGlobal
- Medtronic
- Metadvice
- Microsoft
- MIT
- MITRE
- MITRE Engenuity
- nference
- Oak Ridge Associated Universities
- Okta
- Option Care Health
- Optum
- oura
- PatientLink
- Palantir
- Pfizer
- Philips
- Prism Health AI
- QueueDr
- Rauland, division of Ametek
- Red Hat
- Redflag Artificial Intelligence
- RGI Informatics
- Rush University System for Health
- rfxcel
- Sachs Policy Group
- Salesforce
- Sandia National Labs
- SAS
- SCP Health
- SEI
- Slack
- SOC Telemed
- Sodexo Health Care Services
- SparkBeyond
- St. Clair Hospital
- St. Elizabeth Healthcare
- Starschema
- Supply Chain Sherpas
- Tableau
- Teladoc Health
- TensorX
- Teradata
- Texas e-Health Alliance
- The Center for Supply Chain Research® - Penn State Smeal College of Business
- The Pew Charitable Trusts
- Topo.ai
- Trapollo
- TREND Community
- University of California Health System
- University of Maryland
- University of Nebraska Medical Center/Global Center for Health Security
- Virta Labs
- VMASC, Old Dominion University
- Well Health
- XIFIN
- Zocdoc

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The Power of Many with a Singular Focus

Real-time, scalable impact to improve health outcomes

Healthcare organizations
Startups
Technology firms
Academia
Nonprofits

COVID-19 US Statewide NPI Hex Map
Hover over a state to see the trend since the first case was confirmed, and when they implemented each NPI.

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COVID-19 Healthcare Coalition
Example Initial Actions and Impacts

- Published a review of, and detailed ‘how-to’ guidance on, the best available N95 respirator decontamination methods
- [http://mCOVID.org](http://mCOVID.org) launched – Minimal COVID Data Dictionary for clinical data sharing
- Dashboard established tracking population vulnerability to adverse COVID-19 outcomes
- Connecting PPE suppliers worldwide to healthcare organizations with immediate needs for masks, ventilators, and protective gowns
- Collecting protocols for treating COVID-19 from across the nation and sharing them online at c19hcc.org
- Connecting an ecosystem of private sector capabilities to accelerate and rapidly scale up telehealth
- Real-time tracking of state NPI implementations
- Published a modeling tool for regional insight into the dynamics of COVID-19 hospital capacity and NPIs
Supply Chain Efforts

- Infection rate-based demand model
- “Dance” phase supply chain planning
- Catalog of marketplaces and resources
What We’ve Learned from C19HCC

The Power of Focus and Diversity

- 800 companies across industries
- Focus on making an impact
- Coalition culture of collaboration
- The power of diverse perspectives

What do an analytics company, a healthcare services organization, a university, an NGO, a distributor, a software company, an industrial engineering firm, and a strategic consultancy have in common?

The power, together, to make a better supply chain.
Breakouts
STEVE TRACEY
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