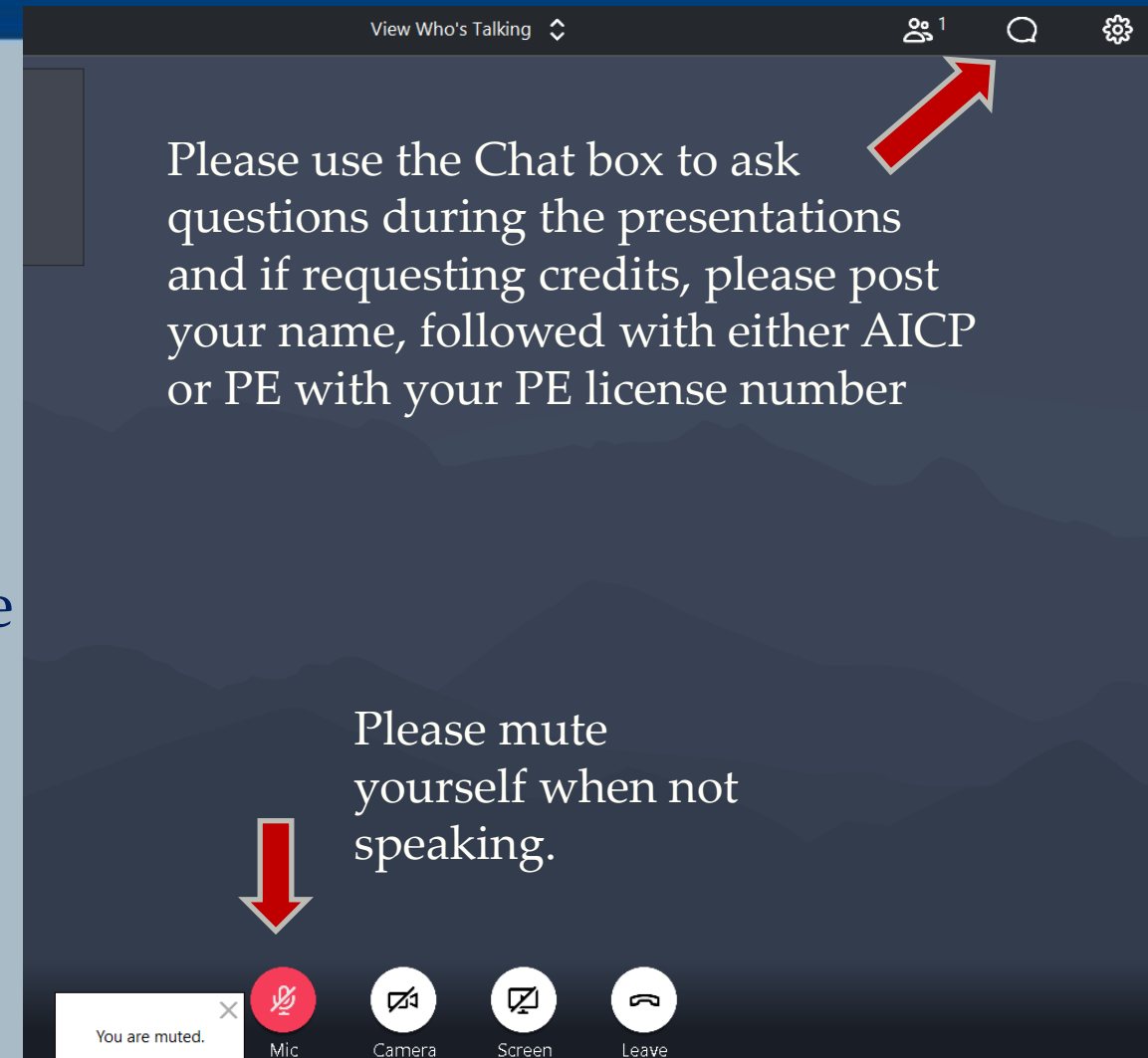






October 21 Freight Initiatives Committee Agenda






- Roll Call of Members
- Approval of Minutes
- Update on NJTPA Freight Division Activities
- Presentations: The Pharmaceutical & Food and Beverage Industries and Supply Chains – Managing through the Pandemic and Pivoting for the Future
- Two-Minute Reports on Freight Activities from Committee Members
- Next Meeting: December 14, 2020
- Adjournment



View Who's Talking   1  

Please use the Chat box to ask questions during the presentations and if requesting credits, please post your name, followed with either AICP or PE with your PE license number

Please mute yourself when not speaking.


You are muted.   Mic  Camera  Screen  Leave

A screenshot of a Zoom meeting interface. At the top, it shows 'View Who's Talking' with a dropdown arrow, a participants icon with '1', a search icon, and a settings icon. A red arrow points from the text above to the search icon. The main area contains two paragraphs of text. At the bottom, there is a 'You are muted.' notification with a close button, and a row of icons for Mic, Camera, Screen, and Leave. A red arrow points from the text above to the Mic icon.

NJTPA Freight Division Update

- September 10 Truck Parking Workshop

View and read the summary at:
<https://njtpa.org/Newsroom/NJTPA-News/NJPTA-Update-Blog/2020/September/Workshop-Calls-for-Expanding-Truck-Parking-Needed.aspx>



The screenshot shows a Zoom meeting interface. At the top, it says "Now viewing Jakob Rowinski's screen". Below that, there are several video thumbnails of participants: Anne Strauss-Wieder, Darrin Roth, Lisa Mullings, Ellen Voie, and Stefano Pascucci. The main content area is a slide titled "PRIVATE SECTOR PERSPECTIVES".

PRIVATE SECTOR PERSPECTIVES

- Anne Strauss-Wieder, Moderator
- Panel Members:
 - Darrin Roth, American Trucking Association
 - Thomas Weakley, Owner-Operator Independent Drivers Association
 - Lisa Mullings, National Association of Truck Stop Operators
 - Ellen Voie, Women In Trucking
 - Stefano Pascucci, JFKIA truck stop operator



NJTPA Freight Division Update

- Council on Port Performance
- 2020 Port Economic Impact Report

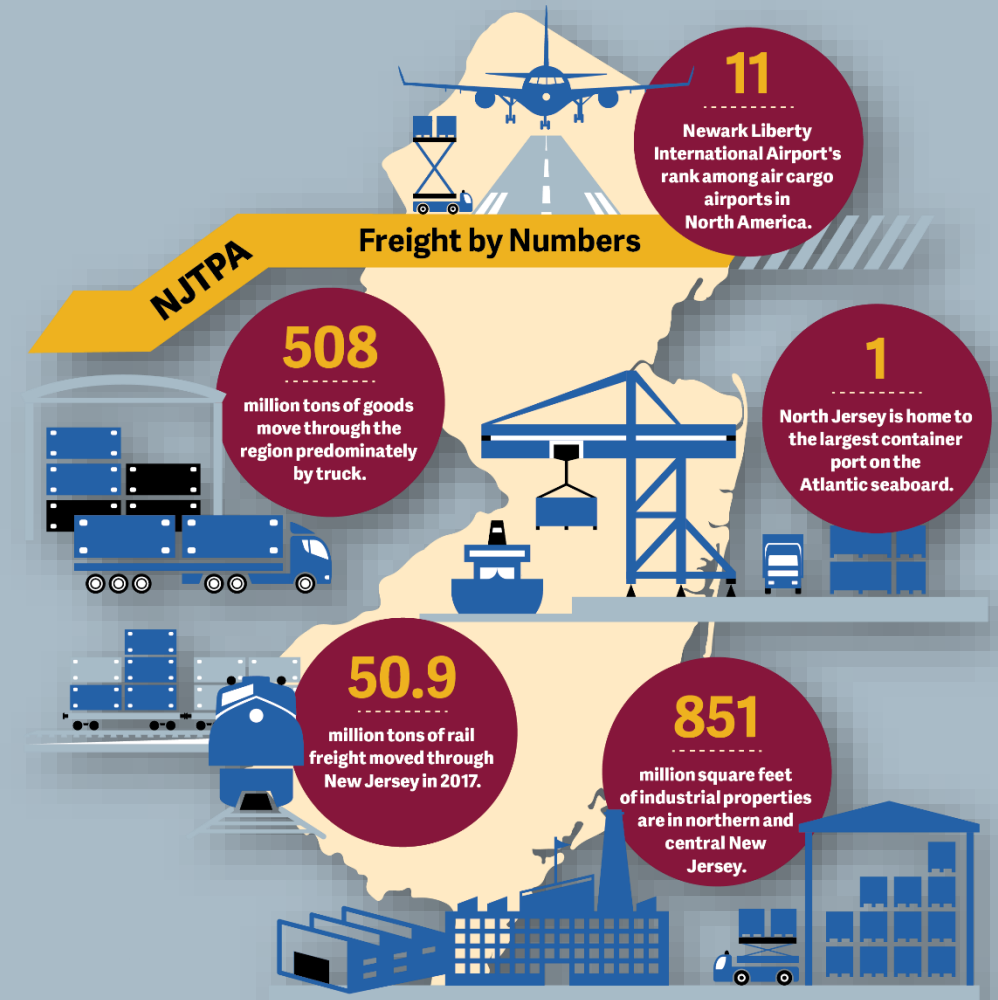


View and read the report at:

https://njtpa.org/NJTPA/media/Documents/Planning/Regional-Programs/Freight/2020_NYSA_Economic_Impact.pdf

NJTPA Freight Division Update

- Third Quarter 2020 Industrial Real Estate Numbers
 - 851 million SF in NJTPA region, with 3 million in new starts
- Pandemic Transportation and Supply Chain Implications
- Freight Concept Development Program








Learn more at www.njtpa.org/freight


October 21 Freight Initiatives Committee Presentations






- The Pharmaceutical Industry, Ronald T. Piervincenzi, Ph.D., Chief Executive Officer, United States Pharmacopeia
- Food and Beverage Industry, Linda Doherty, President & CEO, New Jersey Food Council



View Who's Talking   1  

Please use the Chat box to ask questions during the presentations and if requesting credits, please post your name, followed with either AICP or PE with your PE license number 

Please mute yourself when not speaking. 

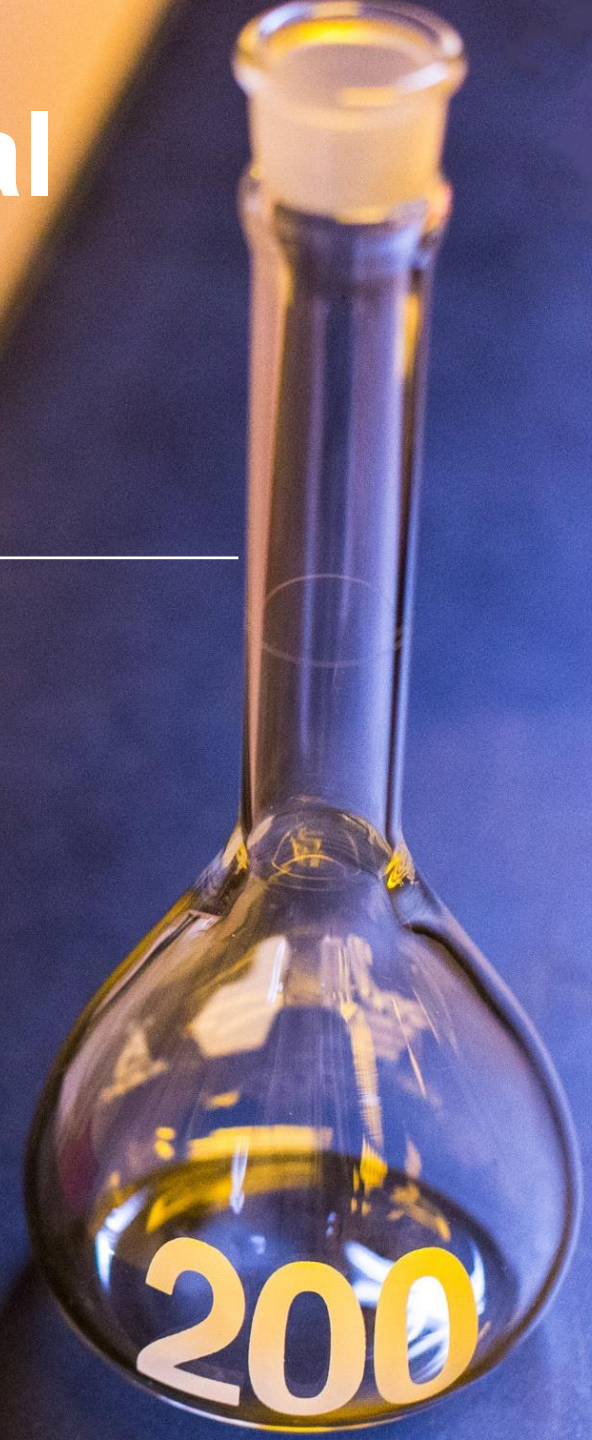
You are muted.     

Mic Camera Screen Leave

Strengthening pharmaceutical supply chains: USP insights to drive transparency

Ronald T. Piervincenzi, Ph.D.
Chief Executive Officer, USP

Freight Initiatives Committee Meeting
October 21, 2020



Agenda

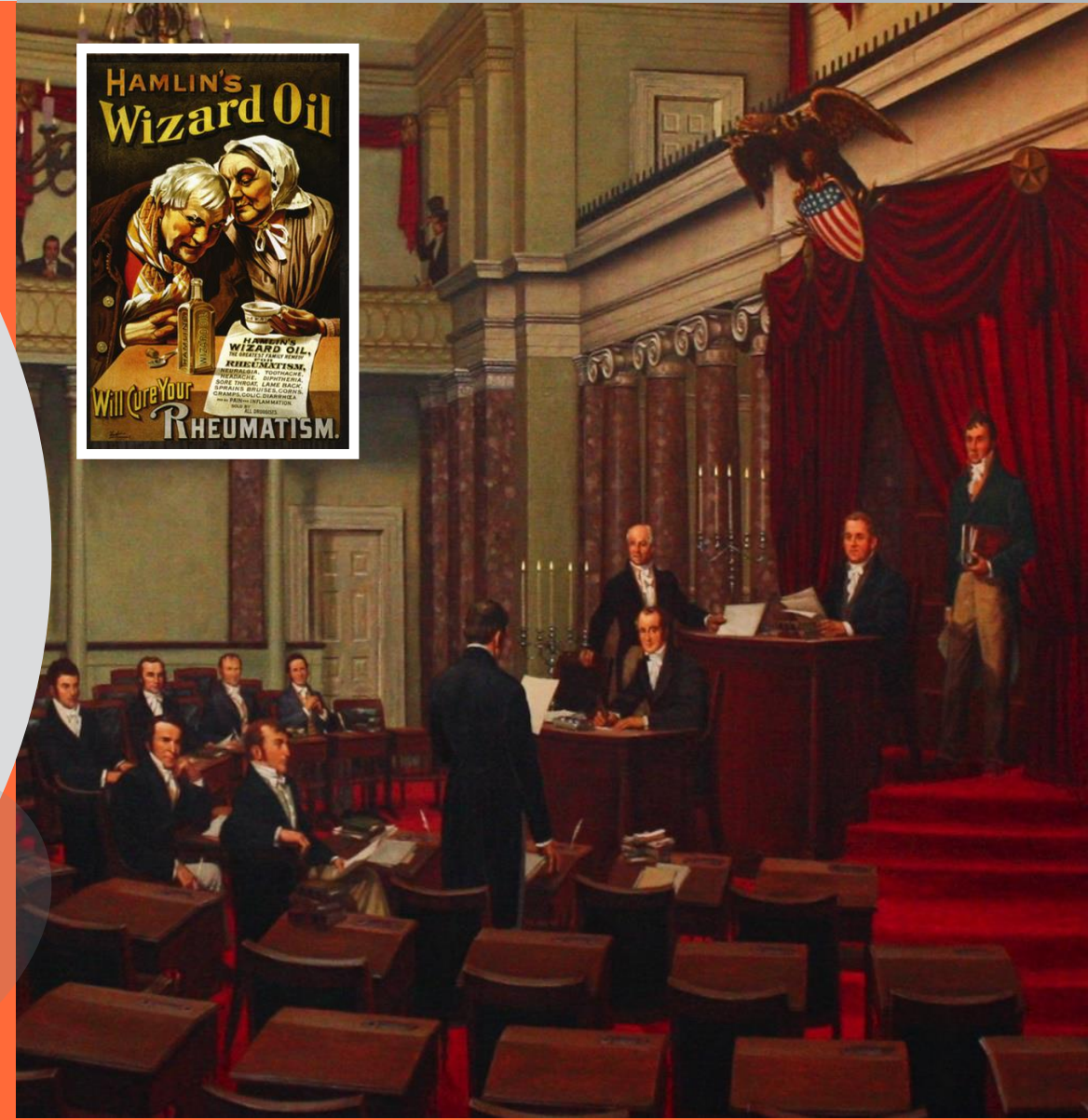
- ▶ Who is USP?
- ▶ Challenges surfaced due to the COVID-19 pandemic
 - Pharmaceutical supply chain resilience
 - Development, manufacturing, and distribution of COVID-19 vaccines and treatments



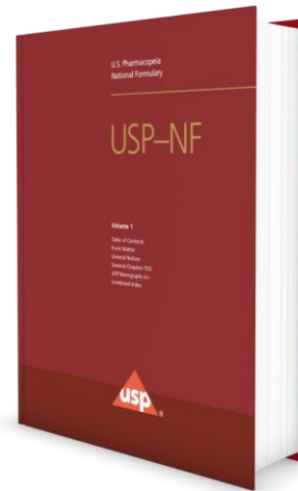
Who is USP?

USP Mission

To improve global health through public standards and related programs that help ensure the quality, safety, and benefit of medicines and foods.



More than 9,000 USP Standards provide quality benchmarks across the supply chain



Documentary standards

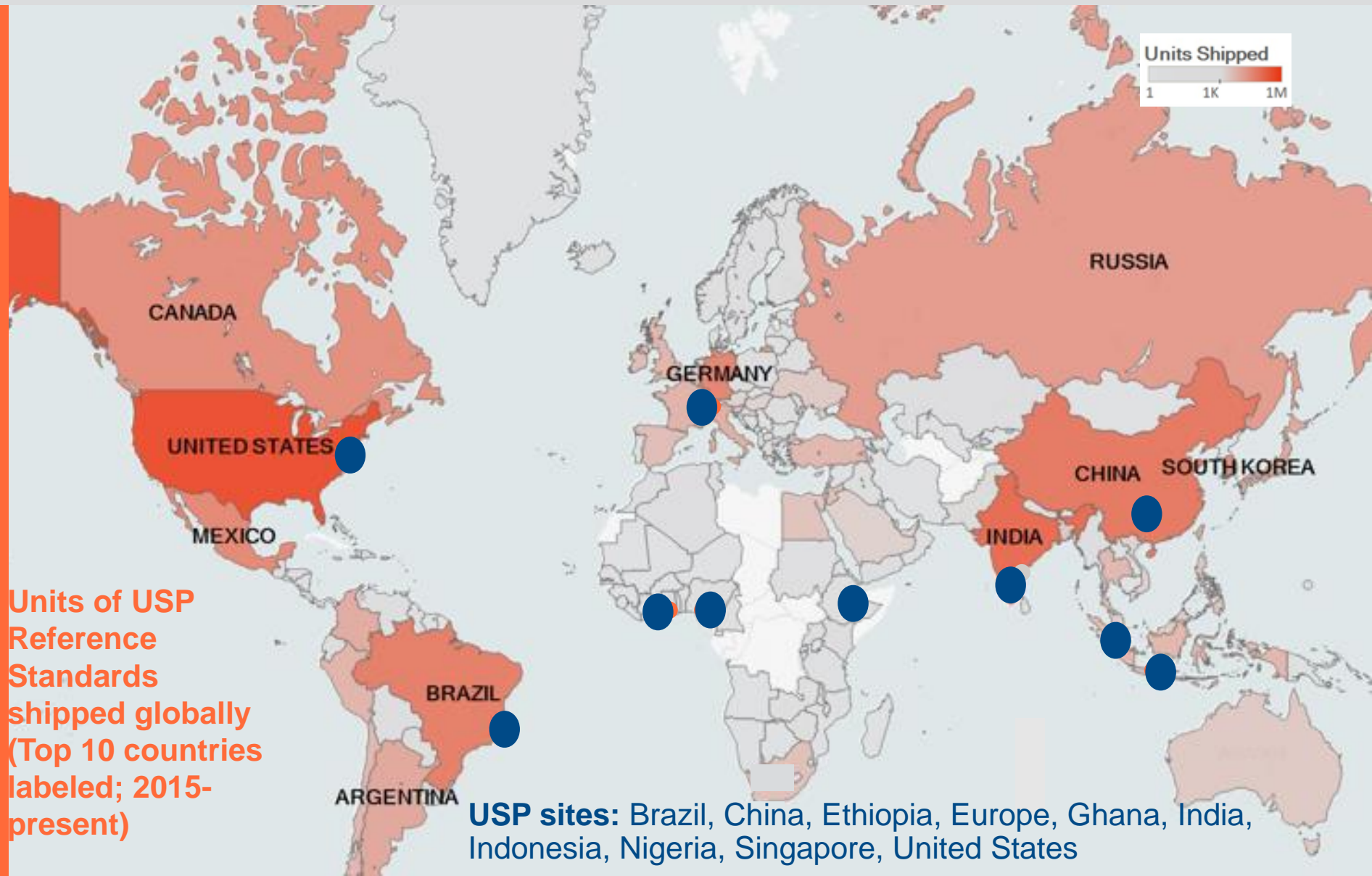
Provides information and methods needed to assess quality

Reference standards

A benchmark against which to compare tested material

USP Reference Standards were shipped to over **22,000** entities in FY19

USP Staff are located across more than **10** global sites



USP's work to address challenges surfaced by the COVID-19 pandemic



Supply chain vulnerabilities



Delivering vaccines and treatments for COVID-19

1

Pharmaceutical supply chain resilience: vulnerabilities and solutions

There are many participants in the modern pharmaceutical supply chain...driving complexity



Ingredient Suppliers

- Pharmaceuticals typically contain active ingredient(s) or API and excipient(s)
- The starting materials for producing these are also often outsourced



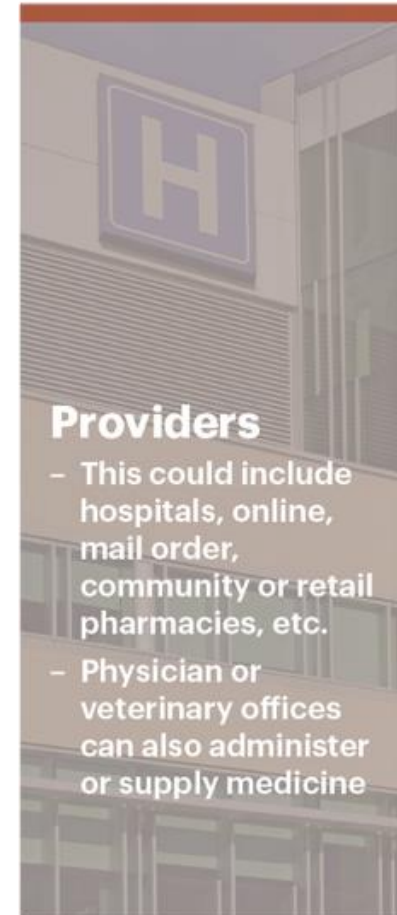
Pharmaceutical Manufacturers

- Contract manufacturing orgs (CMOs) are often turned to for their specific expertise, so the manufacturer and labeler might be different entities



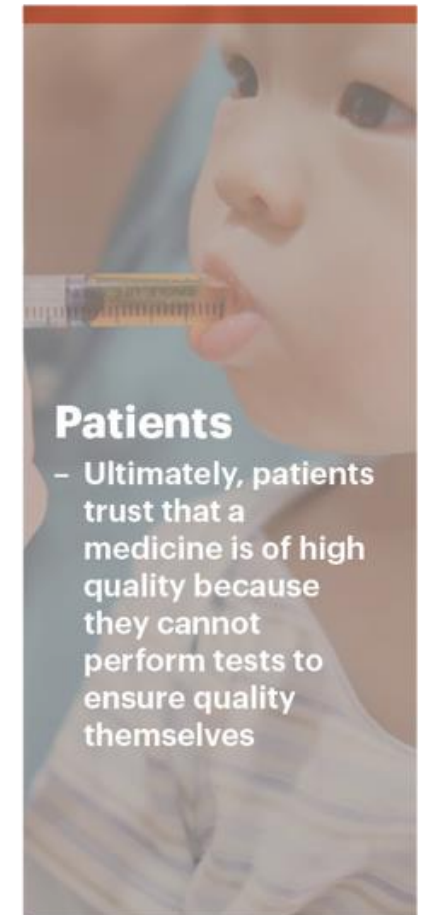
Wholesalers or Distributors

- There may be several intermediaries and procurement channels (publicly-funded, privately-funded, donor-funded)
- Buying groups or warehouses



Providers

- This could include hospitals, online, mail order, community or retail pharmacies, etc.
- Physician or veterinary offices can also administer or supply medicine



Patients

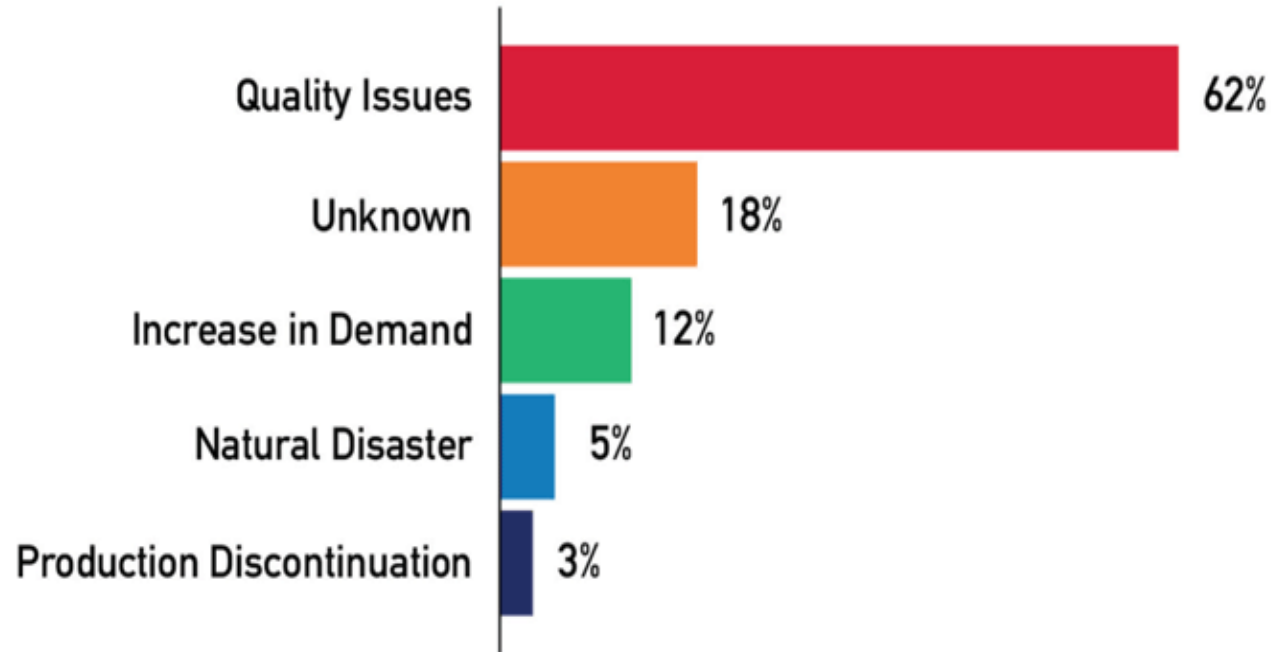
- Ultimately, patients trust that a medicine is of high quality because they cannot perform tests to ensure quality themselves

Upstream

Downstream

Drug shortages overwhelmingly have quality issues as root cause

Percentage of Drugs Newly in Shortage by Reason, Calendar Years 2013-2017



Most drugs in shortage were experiencing supply disruptions, specifically quality issues.

Sources: FDA. "Drug Shortages: Root Causes and Potential Solutions." Oct. 2019



The European Association of Hospital Pharmacists (EAHP) reported that 43.7% of shortages were related to quality issues.

Source: FIP. "Report of the International Summit on Medicines Shortage June 2013

New vulnerabilities are driven by greater complexity of the upstream supply chain

Root causes

- ▶ Increased pressure on margins, particularly for generics
- ▶ Insufficient incentives for quality
- ▶ Regulatory and logistical hurdles that prevent agile responsiveness to market events

Leading to....

- ▶ “Just-in-time” manufacturing with little redundancy to absorb demand or supply shocks
- ▶ Increased outsourcing of ingredients and even final product manufacturing
- ▶ Lack of transparency limiting the ability of stakeholders to take mitigative action before it’s too late

A sustained supply of quality medicines relies on stakeholders balancing cost, quality and supply chain resilience



USP has published a white paper identifying key actions to secure a more resilient supply chain

- ▶ Foster more, not less, supply chain diversity

- ▶ **Invest in more manufacturing capacity for critical medicines (e.g., continuous manufacturing)**

- ▶ **Enable more transparency and data sharing**

- ▶ Conduct crisis contingency planning and action

- ▶ Strengthen regulatory systems and quality assurance globally

<https://www.usp.org/sites/default/files/usp/document/our-impact/covid-19/global-policy-supply-chain.pdf>



Investing in manufacturing capacity: Continuous Manufacturing could strengthen the supply chain

Batch vs. Continuous Manufacturing — Providing the tools to strengthen the supply chain

Batch Manufacturing

- ▶ With 6 exceptions, none of which are generics, every medicine approved in the US uses batch manufacturing
- ▶ Bigger physical footprint and environmental impact
- ▶ Regulatory clarity
- ▶ Ample trained workforce
- ▶ Greater variability in quality



Continuous Manufacturing

- ▶ Widely used outside of the pharmaceutical industry
- ▶ Subject of significant investment in China, India, UK, and Europe
- ▶ Reduces capital investment, risk, physical footprint and environmental impact
- ▶ Achieves better quality control, scale-up, and cost-efficiency of production to shorten supply chains (critical in context of COVID-19)
- ▶ Lacks sufficient trained workforce



Driving transparency in the supply chain: Generating proactive insights through the USP-Pharmaceutical Supply Chain Center

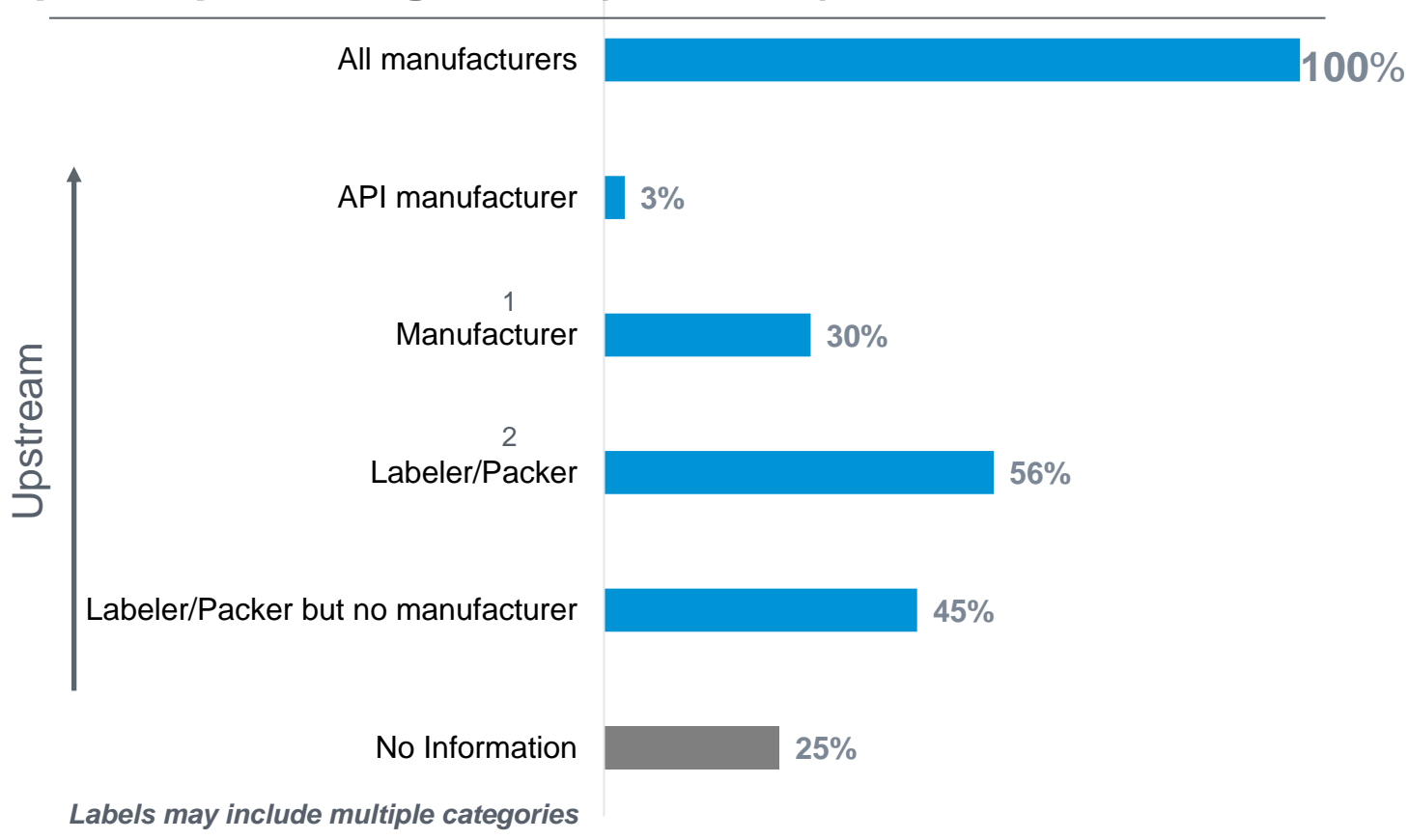


- ▶ We created the [USP Medicine Supply Map](#) as an early warning system to identify, characterize and quantify risk in the upstream pharmaceutical supply chain
- ▶ Data model links across 10+ datasets and dozens of data elements, including USP's proprietary insights
- ▶ “In-the-field” data gathering, including through USP's subject matter expert network
- ▶ More than 1 million medicines globally included
- ▶ Graph-based data model is capable of tracking quality issues up the supply chain



Early insights: there is a need for greater upstream supply chain transparency

Information listed on U.S. approved human prescription drug labels (N=40,178)



- ▶ While approval information is known, we don't know how many are manufacturing the medicine/API
- ▶ All labels specify ANDA filer, an entity responsible for the drug's quality. However, manufacturing is often done by a different entity than the filer
- ▶ While manufacturers are required and do report suppliers to U.S. FDA, also sharing supply chain information publicly could help providers proactively safeguard patient health. (e.g., when a safety issue is identified with an API manufacturer, providers will have on-hand information about impacted brands)

Source: USP analysis of DailyMed

1 Includes 'Analysis', 'FDF Manufacturer', 'Manufacturer', 'Particle size reduction', 'Positron Emission Tomography Drug Production', 'Recovery', 'Sterilize', 'Transfill'

2 'Label, Relabel, Pack, Repack'

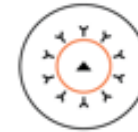
2 Development, manufacturing, and distribution of COVID-19 vaccines and treatments

Agile approach to support COVID-19 vaccines and treatments

Vision:

- 1 Improve access to innovative vaccines through reductions in development times and increased scalability, launching the *Trust Accelerated* program with free technical assistance
- 2 Provide a safeguard against poor quality vaccines, ensuring public trust and safety

USP standards are publicly available tools that vaccine manufacturers can use to help answer questions such as:



1 **Ingredients**

How can I be sure my ingredients are appropriate for my vaccine process? Are they pure? Is there a consistent supply from a reliable supplier?



2 **Containers**

Will the items used, such as syringes, make it easy for the patient to get the vaccine? Do they leak? Does the container react with the vaccine and change its quality?



3 **Sterility**

Is the vaccine sterile? For multi-dose vials, is the antimicrobial agent effective?



4 **Labeling**

Does the label clearly and accurately indicate the name, dose and how it should be administered?



5 **Packaging and distribution**

Is the vaccine packaged correctly to avoid damage and temperature fluctuations during storage and shipping?

* List not exhaustive

Stay Connected

@RonPiervincenzi | www.usp.org | @USPharmacopeia



NEW JERSEY FOOD COUNCIL

Linda M. Doherty
President & CEO



It's good that
grocery stores
have sense of
humor.



New Jersey Food Council Mission Statement

THE NEW JERSEY FOOD COUNCIL IS AN ALLIANCE of food retailers and their supplier partners united to provide vision and leadership to advance the interests of its members.

**IN SUPPORT OF THIS MISSION,
WE ARE COMMITTED TO:**

CONTINUING AND MAINTAINING the Food Council's reputation for excellence and integrity;

SERVING AS AN ADVOCATE on both legislative and regulatory issues on behalf of our retail members and the mutual interests of their supplier partners;

DISSEMINATING ACCURATE AND TIMELY INFORMATION in order to educate and inform government, our members and the public;

DEVELOPING STRATEGIC ALLIANCES to further our mission and achieve our short and long term goals;

and **ENHANCING THE IMAGE OF THE FOOD INDUSTRY.**



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Phil Scaduto
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Platinum Sponsors

- ACME Markets
- Allegiance Retail Services LLC (Foodtown)
- Bimbo Bakeries
- EisnerAmper
- Inserra Supermarkets
- Pepsi Beverages Company
- Wegmans Food Markets
- Whole Foods Market

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- Wawa

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- PSEG
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- Zallie Supermarkets

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- McCaffrey's Markets
- Murphy's Markets of South Jersey
- Nicholas Markets
- Pennington Quality Markets
- Ravitz Family Markets
- ShopRite of Hunterdon County
- Somerset Stores







STATE COVID RESPONSE: FOOD SUPPLY CHAIN WORKING GROUP

NJ Food Council

Community Food Bank of New Jersey

Conrail

Governor's Office

NJ Department of Agriculture

NJ Department of Health

NJ Department of Human Services

NJ Department of Labor

NJ Economic Development Authority

NJ Transportation Planning Authority

NJ State Police

Office of Homeland Security & Preparedness

Port Authority of New York and New Jersey



FACT:

THERE IS ENOUGH FOOD

- Our food supply is strong.
THERE IS NO SHORTAGE OF PRODUCT.
- Any empty shelves are the result of increase demand from customers, not a lack of inventory.
- PLEASE DO NOT STOCKPILE. Purchase what you need but leave something for your neighbor.
- We are working around the clock to stock our shelves and sanitize our stores to keep you and our employees in good health.

FACE COVERING REQUIRED!

WE WILL NOT ALLOW YOU IN THE BUILDING WITHOUT FACE COVERING.
THIS IS AN EXECUTIVE ORDER OF THE STATE OF NEW JERSEY.

FACE COVERING REQUIRED!

WE WILL NOT ALLOW YOU IN THE BUILDING WITHOUT FACE COVERING.
THIS IS AN EXECUTIVE ORDER OF THE STATE OF NEW JERSEY.

**THANK YOU FOR PRACTICING
SOCIAL DISTANCING**



Remember To Stay 2 Carts Apart





It's perfectly clear:
We care about your well-being.



NEW
JERSEY
FOOD
COUNCIL

Hbi™
BEATCV XWH 1
0 0 1 41/8 DZ
FROM 99 TO 07

BEATCV XWH 1
0 0 1 41/8 DZ
FROM 99 TO 07

BEATCV XWH 1
0 0 1 41/8 DZ
FROM 99 TO 07

BEATCV XWH 1
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FROM 99 TO 07

BEATCV XWH 1
0 0 1 41/8 DZ
FROM 99 TO 07

BEATCV XWH 1
0 0 1 41/8 DZ
FROM 99 TO 07

44

46

46



FACE MASK

- May be used when FDA cleared masks are unavailable.
- Not recommended for use in a surgical setting or when significant exposure to liquid bodily or other hazardous fluids may be expected.
- Made of two layers of 100% Cotton.
- Mask contains silver ions.
- Machine wash with like colors. Do not use chlorine bleach if present. Tumble dry high.

BEATCH1003

WARNING: To avoid danger of suffocation, keep this plastic bag away from babies and children. Do not use this bag in cribs, beds, carriages or play pens. This bag is not a toy.

OPINION: Building the plane while flying it

The grocery and food distribution businesses moved quickly to meet the COVID-19 challenge

By: *Linda Doherty*

June 29, 2020 12:01 am



DEPOSIT PHOTOS

First and foremost, I hope as you read this column you and your family are healthy and safe. The first six months of 2020 have been an extraordinary time and one that will be remembered by generations to come. As we look back to mid-March, the emergence of the COVID-19 global pandemic changed the world with the blink of an eye. The grocery and food distribution industries were designated as essential businesses and overnight our New Jersey food retailers and suppliers had the overwhelming responsibility to feed 9 million disconcerted

Observations ★ Insights ★ Trends

- Workforce
- Food Retailer
- Supply Chain
- Shopper
- Growth of e-Commerce
- Opportunities
- Holiday Shopping Behavior



NJFC HOLIDAY SAFE SHOPPING TIPS

As shoppers navigate state restrictions, our favorite holidays are fast approaching! We are providing the best practical guidelines to keep shoppers and grocery store workers safe during the holidays in lieu of COVID-19. Please use these helpful Safe Shopping Tips to shop with ease during this holiday season

1. Limit going to the grocery store only when it is essential and focus on buying what you need.

COVID-19 has upended our daily lives and the usual grocery store trips need to be planned. As you shop the holidays, plan ahead. There is no need to stockpile items. Buying enough for your holiday celebration is advisable. If everybody maintains normal shopping patterns, the food supply will replenish and remain stable.

2. Shoppers must wear face masks.

As shoppers know, it is a NJ mandate by Governor Phil Murphy that all customers wear face masks to enter a retail location. It is the law.

3. Reduce store crowding by shopping alone.

Especially during the holidays, some of us enjoy going to the grocery store with our spouse or families, but to keep everyone safe, shop alone if you can. By reducing capacity, it is easier to maintain less crowded aisles and safe social distancing between customers.

Full list of tips can be found on www.njfoodcouncil.com



DISPOSE OF MASKS AND GLOVES PROPERLY



**THEY BELONG IN THE
GARBAGE CAN
NOT IN RECYCLING
NOT ON THE GROUND**

Monmouth County COVID-19 Lawn Sign



Resources

- [Grocery Dive e-Newsletter](#)
- FMI.org/foodprices
- [The Shelby Report](#)
- [Food Trade News](#)
- [Progressive Grocer](#)
- [Winsight Grocery Business](#)
- [Supermarket News](#)

Contact

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President & CEO

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609-947-8707 (Cell)

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Trenton, NJ 08611

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October 21 Freight Initiatives Committee Agenda

- Roll Call of Members
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- Presentations on Analyzing and Visualizing Critical Supply Chains
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- Next Meeting: **December 14, 2020** – Annual NJ Industrial Real Estate Update

Thank you. Stay healthy and safe.



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