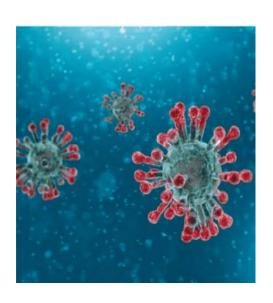
Preparing Hospitals for COVID-19



- Sylvia Garcia-Houchins, MBA, RN, CIC Director, Infection Prevention and Control
- Diane Cullen, MSN, MBA, RN, CIC Associate Director, Standards Interpretation Group
- Beverly M. Belton, MSN, RN
 Field Director Surveyor Management and Support
 Division of Accreditation & Certification Operations



Intended Audience

This webinar is being presented to provide information that may be helpful to Hospitals.

Topics covered:

- Epidemiology and symptoms of Coronavirus
- Prevention strategies for Hospitals





Acknowledgement



The Joint Commission Disclaimer

These slides are current as of April 12, 2020. The Joint Commission reserves the right to change the content of the information, as appropriate.

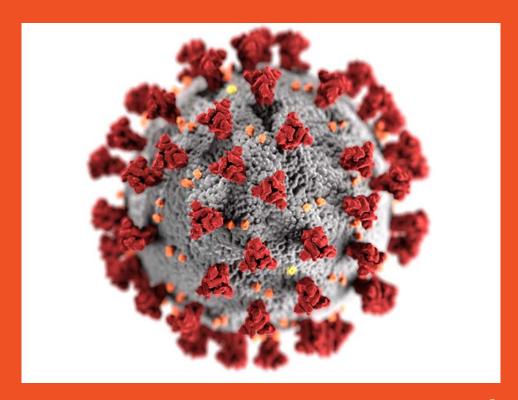
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COVID-19



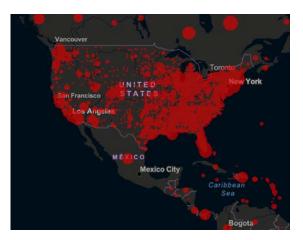
Progression of Cases

3/11/2020



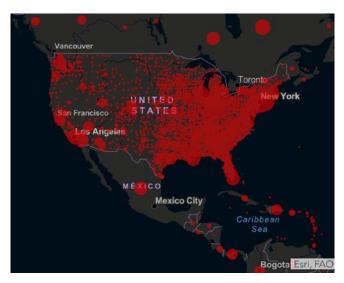
Total 126,136 Cases US 1312 Cases

3/30/2020



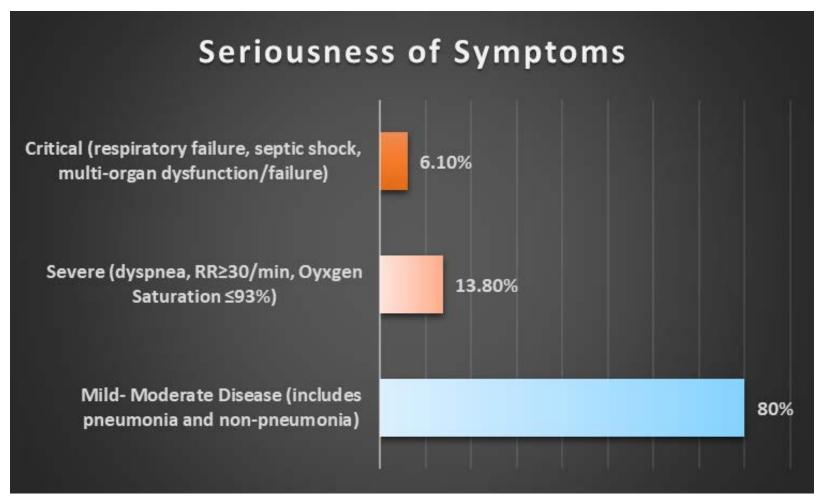
Total 785,709 Cases US 164,274 Cases

4/12/2020



Total 1,792,899 Cases US 530,006 Cases New York 180,458

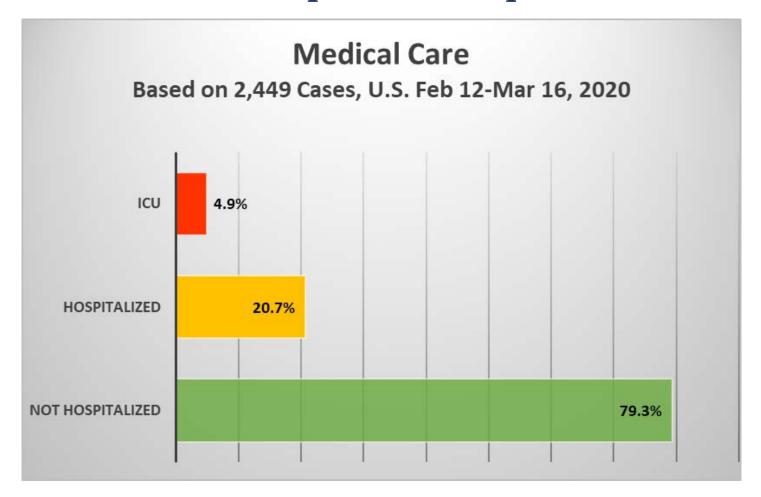
Most Infection Causes Mild-Moderate Disease



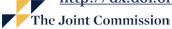
Source: Report of the WHO-China Joint Mission on Coronavirus Disease 2019 (COVID-19), Based on 55924 Laboratory Confirmed Cases thru Feb 20, 2020 Available at https://www.who.int/docs/default-source/coronaviruse/who-china-joint-mission-on-covid-19-final-report.pdf Accessed March 18, 2020.



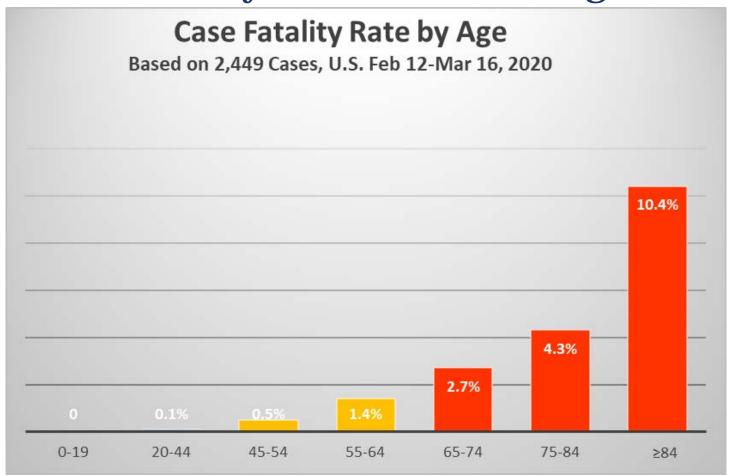
Most Have Not Required Hospitalization



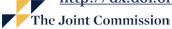
Source: Severe Outcomes Among Patients with Coronavirus Disease 2019 (COVID-19) — United States, February 12—March 16, 2020. MMWR Morb Mortal Wkly Rep 2020;69:343-346. DOI: http://dx.doi.org/10.15585/mmwr.mm6912e2 Accessed March 30, 2020.



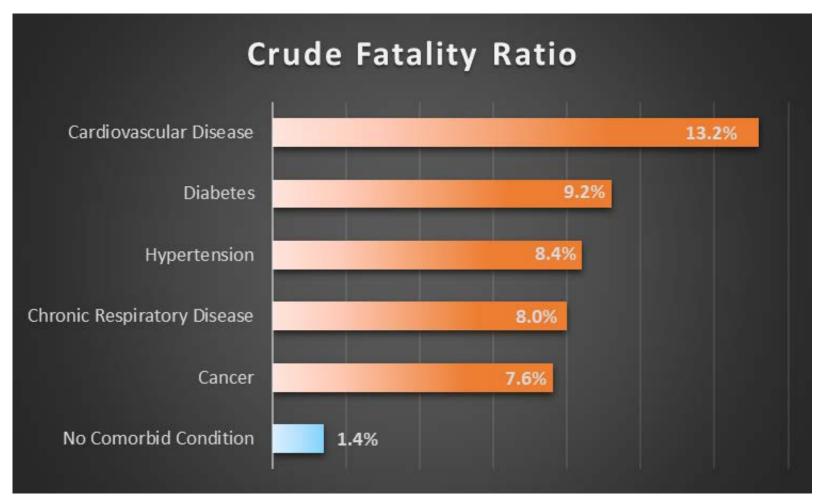
Risk of Mortality Increases with Age



Source: Severe Outcomes Among Patients with Coronavirus Disease 2019 (COVID-19) — United States, February 12—March 16, 2020. MMWR Morb Mortal Wkly Rep 2020;69:343-346. DOI: http://dx.doi.org/10.15585/mmwr.mm6912e2 Accessed March 30, 2020.



Comorbidities Increase Risk



Source: Report of the WHO-China Joint Mission on Coronavirus Disease 2019 (COVID-19), Based on 55924 Laboratory Confirmed Cases thru Feb 20, 2020 Available at https://www.who.int/docs/default-source/coronaviruse/who-china-joint-mission-on-covid-19-final-report.pdf Accessed March 18, 2020.



Common COVID-19 Symptoms









If you develop emergency warning signs for COVID-19 get medical attention immediately. Emergency warning signs include*:

- Difficulty breathing or shortness of breath
- Persistent pain or pressure in the chest
- New confusion or inability to arouse
- Bluish lips or face

*This list is not all inclusive. Please consult your medical provider for any other symptoms that are severe or concerning.





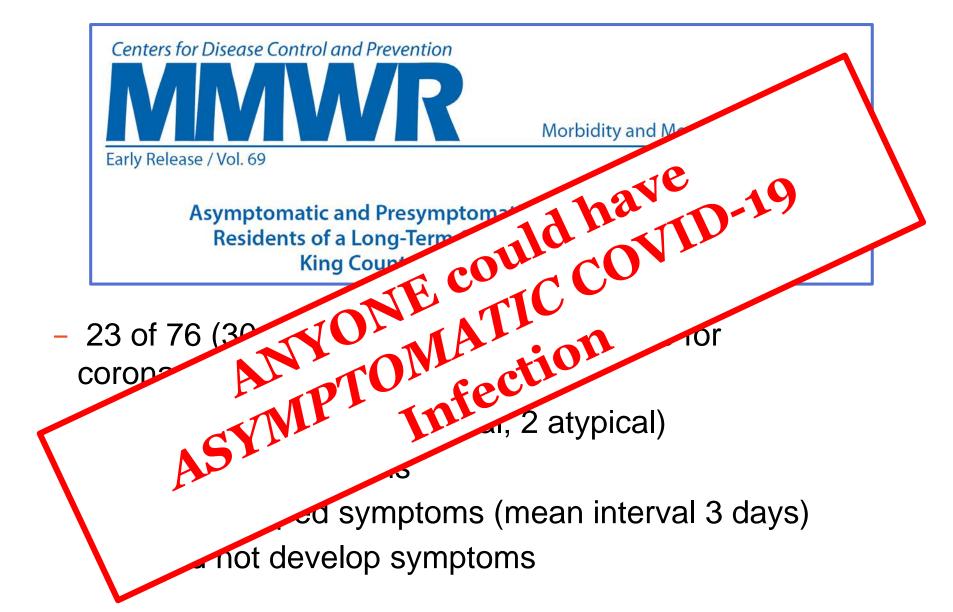
Morbidity and Mortality Weekly Report

March 27, 2020

Asymptomatic and Presymptomatic SARS-CoV-2 Infections in Residents of a Long-Term Care Skilled Nursing Facility — King County, Washington, March 2020

- 23 of 76 (30.3%) surveyed tested positive for coronavirus
 - 10 had symptoms (8 typical; 2 atypical)
 - 13 had no symptoms
 - 10 developed symptoms (mean interval 3 days)
 - 3 did not develop symptoms







Remember How Transmission Occurs



Source: CDC\Brian Judd https://phil.cdc.gov/details.aspx?pid=11161

- Person to person via droplets (6 feet)
- Airborne transmission (aerosol generating procedures)
- Transmission via surfaces
 - viable for hours to days on surfaces

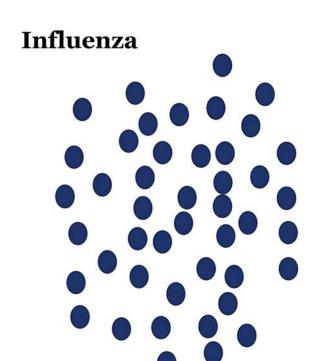


Key Measures to Stop Transmission

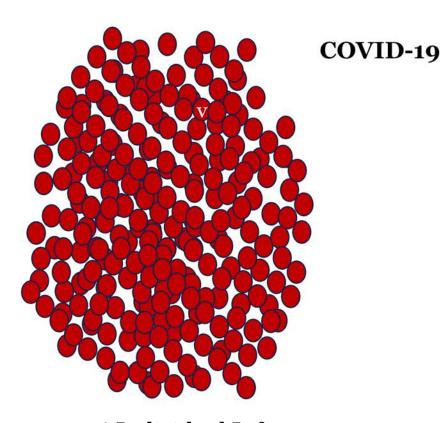
- Maintain distance of 6 feet from all persons
- To prevent creation of droplets, wear a cloth mask when outside of the home
- Consider having healthcare providers wear a mask and eye protection when caring for any patient who is not wearing a mask or within 6 feet of other people to prevent exposure to asymptomatic or pre-symptomatic patients



Why is COVID-19 Spreading SO Quickly



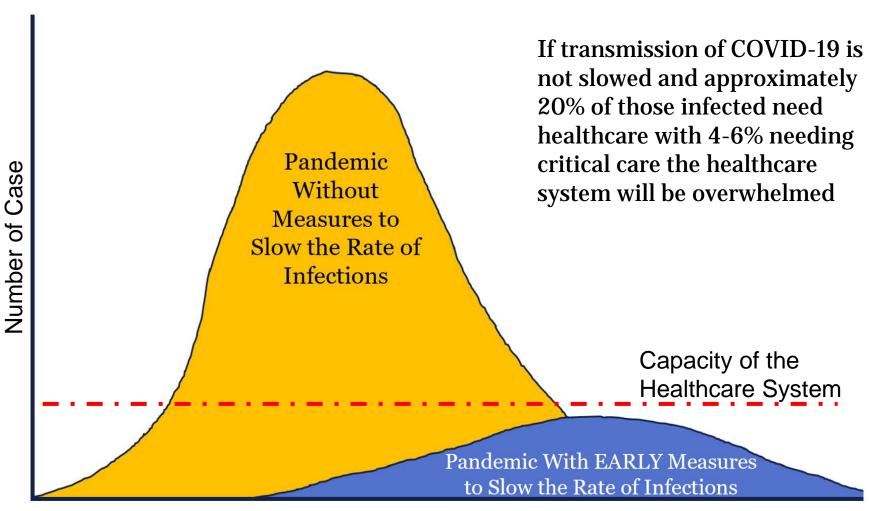
1 Individual Infects average of 1.3 people



1 Individual Infects average of 2-4 people

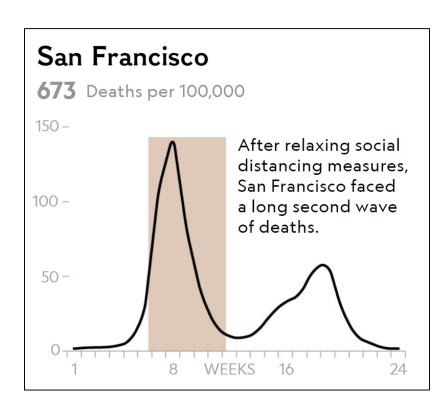


Why is Slowing Spread Important?





Example in 1918 Influenza Pandemic





Cities that order social distancing later and for shorter periods had higher death rates than those who ordered it earlier and longer



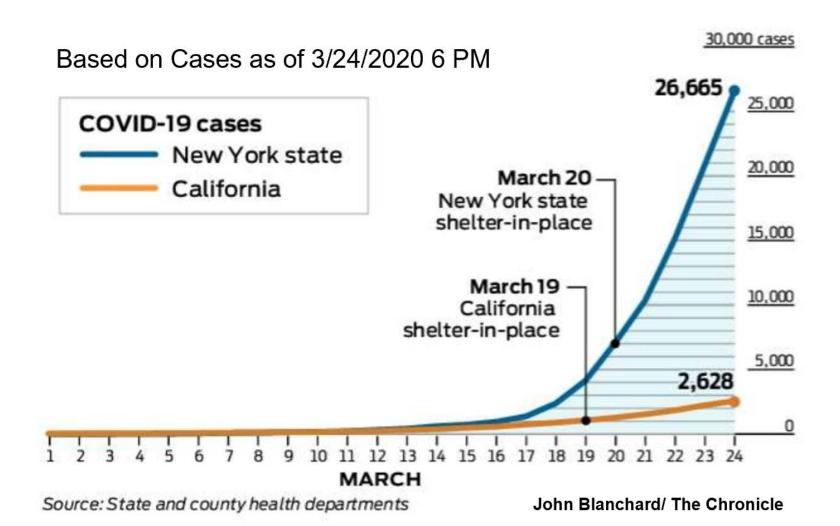
Cases by State

	CASES	PER 100,000 PEOPLE	DEATHS	▼ PER 100,000 PEOPLE	Date of Stay at Home Order FASTER CASE GROWTH RATE
	0,1020	1 201 22	JUMINO	LOTEL	3/22 ₩
New York MAP »	159,937	815	7,067	36	
New Jersey MAP »	51,027	575	1,700	19	Feb. 26 Apr. 8
Louisiana MAP »	18,283	392	702	15	3/23 ♦
Michigan MAP »	20,220	203	959	10	3/24∳
Connecticut MAP »	8,781	245	335	9	3/23 ₩
Massachusetts MAP »	16,790	246	433	6	3/24₩
Washington MAP »	9,097	125	454	6	3/23▼
California MAP »	19,043	49	506	1	3/19 ♦
Puerto Rico MAP »	788	23	42	1	3/15♦



19

Example from 2020 COVID-19





Source: Allday E. New York state has 10 times the COVID-19 cases California has. Why? https://www.sfchronicle.com/health/article/NY-has-10-times-the-coronavirus-cases-CA-has-Why-15154692.php San Francisco Chronicle. Accessed April 9, 2020

Summary of Key Points

- COVID-19 is spread by droplet transmission and from contaminated surfaces
- Risk of exposure is increased during aerosol generating procedures
- The majority of people who have been tested have had fever, cough and shortness of breath
- Pre-symptomatic and asymptomatic people have been COVID-19 test positive and linked to transmission



Summary of Key Points

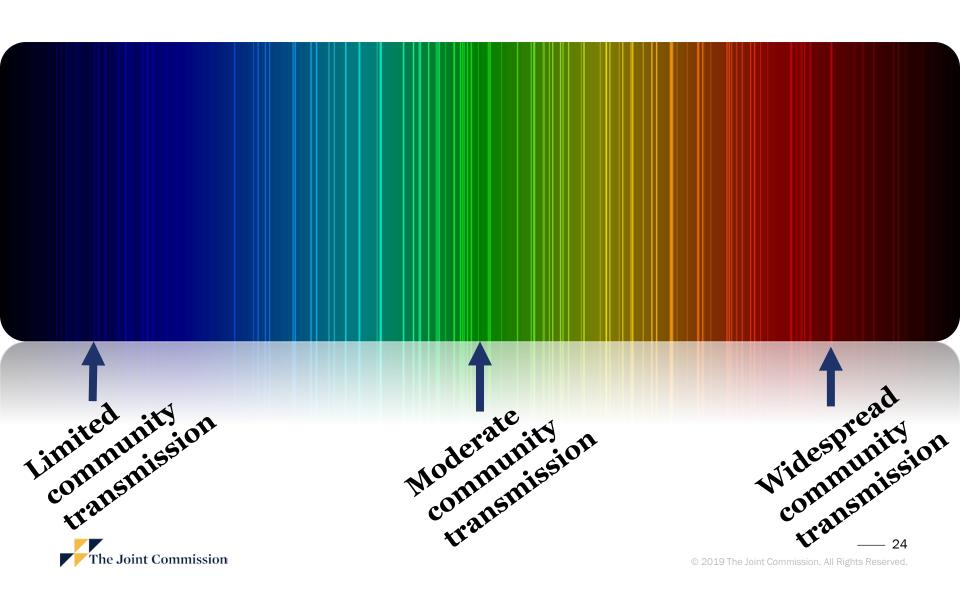
- COVID-19 is spread by droplet transfrom contaminated surfaces
- Risk of exposure is increased and the cross generating procedure.
- The majority of the same been tested have had and shortness of breath
- Pro C and asymptomatic people OVID-19 test positive and linked mission



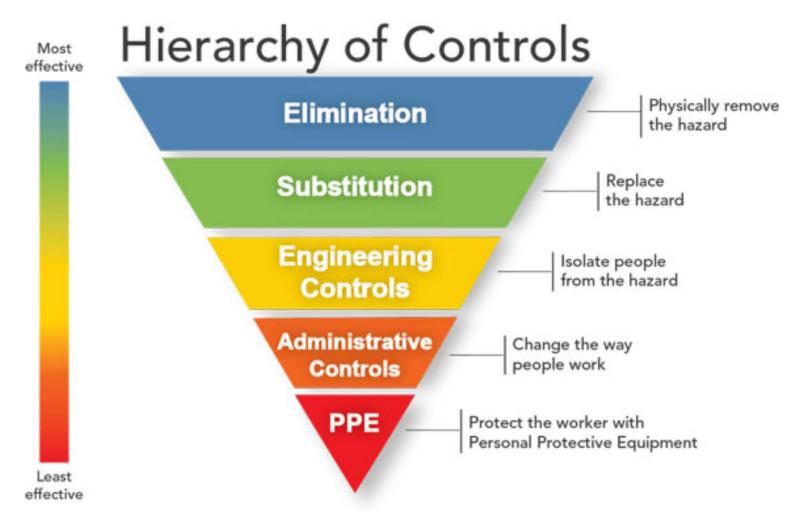


How Hospitals Can Slow the SPREAD

Preparing for COVID-19



Protecting Workers from Exposure





Eliminate the Hazard and Preserve Supplies



Delay all elective ambulatory provider visits



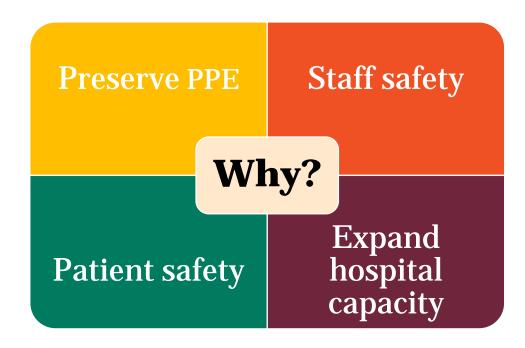
Reschedule elective and non-urgent admissions



Delay inpatient and outpatient elective surgical and procedural cases



Postpone routine dental and eyecare visit



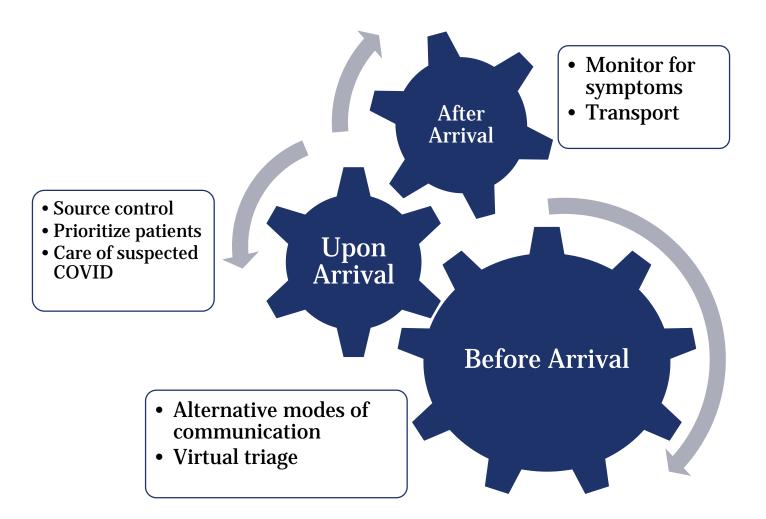
Limit Exposures: Visitors

May be an undiagnosed source, plan ahead:

- Clear communication about restriction of visitors
- Process for exceptions
 - Screening (symptomatic, pre-symptomatic, and asymptomatic)
 - Strategy for PPE use, if allowed
 - Limit access in facility
- Consider special areas:
 - Emergency department or clinics
 - High-risk population



Limit Exposure: Patient Flow





Limit Exposure: Before Arrival



- Notify Community
 - Mail
 - Call
 - Internet
 - Apps
 - Posters
- Virtual triage
 - Telehealth



Limit Exposure: Upon Arrival

- •Symptomatic versus asymptomatic patients
- Source control
 - Limit droplet dispersal (e.g. homemade mask)





Limit Exposure: After Arrival

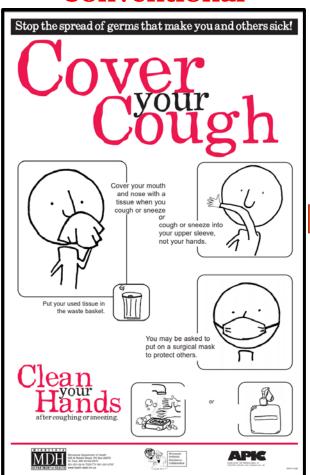


- Presymptomatic patient
- •Transport
 - Limit, if possible
 - Mask patients outside of room

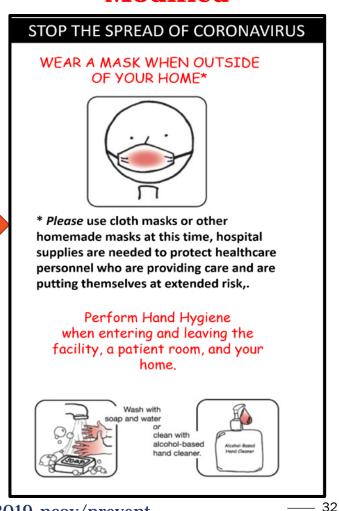
Modify Conventional Practices

Respiratory Etiquette:

Conventional



Source Control Etiquette: Modified

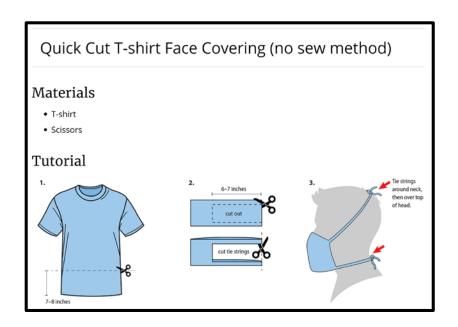




Preserve Staff Supplies

"MAKE A MASK" campaign:

- Post instructions on your website
- Ask volunteers to make or donate cloth masks
- Provide supplies at entrance



Source:

https://www.cdc.gov/coronavirus/2019ncov/prevent-getting-sick/diy-cloth-facecoverings.html ____ 33





Conserving Staff Supplies

"The community is making these cloth masks for staff to use...

...We wear these around the hospital to protect people from us. When we go into an isolation room we wear different PPE but we wear this mask all other times!

Megan, RN

Memorial Hospital, South Bend, IN

Basic Infection Prevention Principles

STANDARD PRECAUTIONS

- All patients, ALL times
- Protect yourself
- Protect patients
- Required PPE depends on activity

HAND HYGIENE

- Soap and water or alcohol-based hand rub (ABHR)
- Provide inside and outside of rooms and at entrances
- Post reminders

Routine Patient Care of COVID Patient

Minimize room entries Ideas:

- Environmental cleaning tasks
- IV pumps outside of room
- Communication with patient
 - Nurse call system
 - Walkie talkies



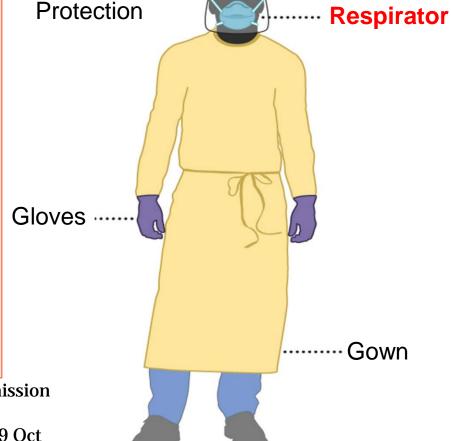


Aerosol-generating Procedures

Examples of aerosolgenerating procedures:

- Intubation
- Non-invasive ventilation (e.g., CPAP, BiPAP)
- Manual ventilation
- Bronchoscopy
- Open suctioning
- Nebulizer treatments
- Cardiopulmonary resuscitation

Source: Judson SD, Munster VJ. Nosocomial Transmission of Emerging Viruses via Aerosol-Generating Medical Procedures. *Viruses.* 2019;11(10):940. Published 2019 Oct 12. doi:10.3390/v11100940 Accessed April 8, 2020



Face\ Eye

Training and Competency of Staff PPE

- Lots of resources
 - Videos
 - YouTube
 - Joint Commission site
 - Posters

EVERYONE needs the same message

HOW TO SAFELY REMOVE PERSONAL PROTECTIVE EQUIPMENT (PPE)

There are a variety of ways to safely remove PPE without contaminating your clothing, skin, or mucous membranes with potentially infectious materials. Here is one example. Remove all PPE before exiting the patient room except a respirator, if worn. Remove the respirator after leaving the patient room and closing the door. Remove PPE in the following sequence:

- · Outside of gloves are contaminated!
- · If your hands get contaminated during glove removal, immediately wash your hands or use an alcohol-based hand sanitizer
- Using a gloved hand, grasp the palm area of the other gloved hand and peel off first glove
- · Hold removed glove in gloved hand
- . Slide fingers of ungloved hand under remaining glove at wrist and peel off second glove over first glove
- Discard gloves in a waste container

2. GOGGLES OR FACE SHIELD

- Outside of googles or face shield are contaminated!
- If your hands get contaminated during goggle or face shield removal, immediately wash your hands or use an alcohol-based hand sanitize
- Remove goggles or face shield from the back by lifting head band or
- · If the item is reusable, place in designated receptacle for reprocessing. Otherwise, discard in a waste container

3. GOWN

- . Gown front and sleeves are contaminated!
- · If your hands get contaminated during gown removal, immediately wash your hands or use an alcohol-based hand sanitizer
- . Unfasten gown ties, taking care that sleeves don't contact your body when reaching for ties · Pull gown away from neck and shoulders, touching inside of gown only
- · Turn gown inside out
- · Fold or roll into a bundle and discard in a waste container

4. MASK OR RESPIRATOR

- Front of mask/respirator is contaminated D0 NOT TOUCH!
- If your hands get contaminated during mask/respirator removal. immediately wash your hands or use an alcohol-based hand sanitizer
- Grasp bottom ties or elastics of the mask/respirator, then the ones at the top, and remove without touching the front
- Discard in a waste container
- 5. WASH HANDS OR USE AN ALCOHOL-BASED HAND SANITIZER IMMEDIATELY AFTER REMOVING ALL PPE









Minimize Potential for Exposures

For Aerosol Generating Procedures

- Perform in negative pressure room
- Limit personnel in room to essential personnel
- Consider point source control to decrease aerosol exposure

Ventilated Headboard:

https://www.cdc.gov/niosh/topics/healthcare/engcont rolsolutions/ventilated-headboard.html

Examples: Point Source Control



Use of Mask over patient receiving high flow O₂



Ventilated Headboard



Containment Box

Airborne Isolation Room with anteroom

> Airborne Isolation Room

Room Choice for Aerosol Generating Procedures

Negative Pressure Room

Regular Room - point source

Regular room

Open area with point source device

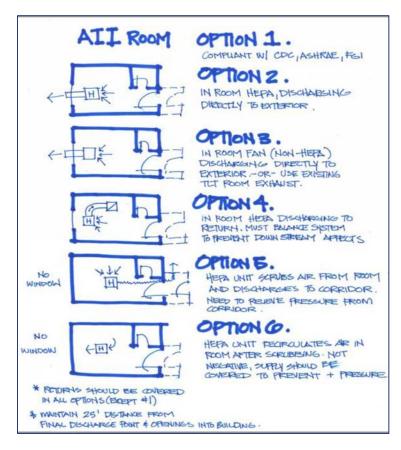
Open are with curtain or partition around area



Creating Airborne Isolation Rooms

Complex process

- Must include facilities expert in HVAC
- Once in place need a process to maintain or may create positive pressure situation
- May need to rebalance other areas



Source: ASHRAE COVID-19 Guidance
http://tc0906.ashraetcs.org/documents/COVID
%2019%20%20GUIDANCE%20%20ASHRAE%20Revised3-25-2020.pdf
Accessed April 6, 2020
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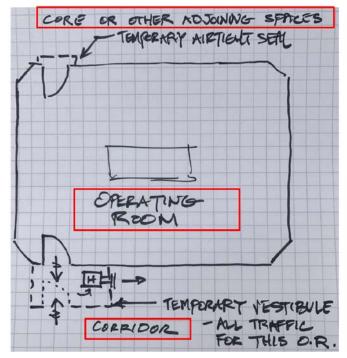


Surgical Procedures

- Keep door closed
- Limit personnel to those needed

Other Options

- Create temporary ante-room (ASHRAE)
- Use point source control
- Rebalance room (not recommended by ASHE**)



Picture Source: *ASHRAE COVID-19 Guidance

http://tc0906.ashraetcs.org/documents/CO VID%2019%20%20GUIDANCE%20-%20ASHRAE%20Revised3-25-2020.pdf Accessed April 6, 2020

**ASHE: https://www.ashe.org/covid-19-frequently-asked-questions?utm_source=General%20Announcements&utm_medium=email&utm_campaign=4%2E10%2E20%20COVID%2D19%20Resource%20Roundup



Collection of Diagnostic Specimens

Routine:

- Nasopharyngeal (NP) swab
- PPE: respirator, eye protection, gown, gloves
- Regular room door closed

Alternative as approved by testing authority

EXAMPLE: NYSDOH Wadsworth Center Testing

- Preferred: NP swab (PPE)
- Alternative: Nasal swab + saliva specimen (supervised from outside room)

Example: NYSDOH Wadsworth Center COVID-19 Specimen Collection Transport and Handling Instructions (this site only)

https://coronavirus.health.ny.gov/system/files/documents/2020/04/doh_covid19_guidespecimencollection_040120.pdf Accessed April 12, 2020



Cleaning and Disinfection

General Principles

- If dirty, clean with a detergent or soap and water prior to disinfection.
- Follow the manufacturer's instructions for all cleaning and disinfection products (e.g., concentration, application method and contact time, etc.).
- Do not mix products unless instructed by manufacturer
- More is not better!



Disinfection of Hard Surfaces

- EPA-registered, hospital or healthcare disinfectant*
- If not available, consider EPA-registered Institutional or residential disinfectants*

(https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2)

- Diluted household bleach solutions
 - Example in community settings*: 5 tablespoons (1/3rd cup) bleach per gallon of water or 4 teaspoons bleach per quart of water



Disinfection of Soft Surfaces

- Clean
 - Remove visible contamination, if present
 - Clean with cleaners for soft surfaces
- Disinfect
 - If able to launder, follow manufacturer's instructions warmest water setting for the item and dry completely
 - Products with the EPA-approved emerging viral pathogens claims
 (https://www.americanchemistry.com/Novel-Coronavirus-Fighting-Products-List.pdf) for porous surfaces



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Laundry: Linens, Clothing, and Other Items

- Do not shake dirty laundry and wear PPE
- Follow manufacturer's instructions- warmest water setting for the item and dry completely
- Dirty laundry that has been in contact with COVID-19 patient can be washed with general laundry
- Clean and disinfect laundry room surfaces, washers, hampers or other carts for transporting laundry according to guidance for hard or soft surfaces.
- If using reusable gowns, notify laundry services



Meals

- Routine food services sanitation procedures should be adequate for surfaces and utensils
- Consider strategies for meal distribution and tray pick that will conserve PPE and prevent exposures
- Avoid food distribution to employees in settings where people might gather in a group or crowd.
- Examples of alternatives
 - Grab and go
 - Pre-packaged meals
 - Order ahead
 - Staggered breaks and lunches





Managing Supplies during Pandemic

Current Situation

- The rate of supply use depends on multiple factors including
 - Number of patients
 - Number of staff
 - Processes organizations put in place to conserve supplies
 - Increases in production and distribution



Current Situation

- The rate of supply use depend factors including
 - Number of patient
 - Number of

Snortages are Occurring Supply Snortages Will Occur if Conservation Occur if Conservation Occur if Conservation Occur is and or one of the order of



https://www.nationalgeographic.com/science/2020/03/usamerica-has-fraction-medical-supplies-it-needs-to-combatcoronavirus/

Joint Commission Advocacy





ADA American Dental Association®







Public Statement on the Shortages of Critical Medical Equipment March 27, 2020

As organizations that represent or collaborate with individuals and institutions at the forefront of delivering health care in the midst of the COVID-19 pandemic, we are vitally concerned with the shortages of masks, face shields and other personal protective equipment (PPE), ventilators, swab kits, and testing capacity that are critically needed by frontline caregivers and patients. In the most affected areas, hospitals, other healthcare delivery organizations, physicians, dentists, nurses, and other caregivers need help now. Many others will need the same help in the coming weeks.

PPE is needed immediately to protect the caregivers who are risking their own health to care for patients in the most need. Shortages of ventilators and intensive care facilities threaten the lives of the sickest patients.

We strongly support emergency efforts at the federal level to dramatically increase the production and distribution of PPE and other necessary medical equipment and supplies. We also support the availability of telehealth services during this time to use less PPE while preventing the spread of infection.

We must all work immediately to remove any impediments anywhere in the supply chain and come together at the federal, state, and local levels to develop an approach for a fair, equitable, and swift distribution across the nation that is based upon evidence of the most need.

Darilyn Moyer, MD, FACP Executive Vice President and CEO American College of Physicians

David B. Hoyt, MD, FACS Executive Director American College of Surgeons

Kathleen T. O'Loughlin, DMD, MPH
Executive Director
American Dental Association

Richard J. Pollack
President and CEO
American Hospital Association

James L. Madara, MD CEO And Executive Vice President American Medical Association

Mark R. Chassin, MD, FACP, MPP, MPP President and CEO The Joint Commission Home > Standards > Standards FAQs

Personal Protective Equipment - Managing Critical Shortages of Personal Protective Equipment (PPE) During Declared Emergencies

What should an organization do if they are facing a critical shortage of personal protective equipment (PPE) and are unable to obtain the PPE commercially?

Back to FAQs

Any examples are for illustrative purposes only.

If organizations are facing critical shortages of personal protective equipment, they should <u>contact their local</u> <u>health authority f</u>or assistance and possibly direction to the appropriate state specific contact who controls their state strategic stockpile.

The Office of the Assistant Secretary for Preparedness and Response (ASPR) manages the strategic national stockpile (SNS). This stockpile is designed to supplement and resupply state and local inventories of medications and supplies during emergencies which are severe enough to exhaust local supplies. In addition to the SNS, many states have their own stockpiles of medications and supplies.

In emergency situations, organizations may need to institute measures to conserve supplies of personal protective equipment. These may include use of alternative products, such as powered air purifying respirators (PAPRs) in place of N95 respirators and eye protection or revising how personal protective equipment will be used (e.g., keeping the same N95 respirator or mask on for care of multiple patients unless contaminated or damaged). In some cases, organizations may need to determine if alternate gowns should be used for protection of staff or sterile procedures.

When instituting these measures, all the following must be considered:

- . They must be instituted in conjunction with implementation of facility emergency management procedures
- The organization must involve those who are knowledgeable about the routine practices that will be impacted, as well as specific benefits and

limitations of affected personal protective equipment (e.g., infection control, industrial hygiene, occupational medicine)

- The revisions must be clearly communicated to involved staff
- Enhanced monitoring for negative impact (e.g., increased reports of exposure or infection) should be instituted.



CDC: PPE Optimization Strategy

Conventional capacity: standard US practices

 Contingency capacity: modifications in standard practices which should not significantly impact patient or healthcare worker safety

Crisis capacity: Not commensurate with U.S. standards of care



Assumptions **Before** Crisis Interventions

- As PPE becomes available, healthcare facilities will resume standard practices
- Notified local health authority of needs for PPE
- Maximized use of engineering controls
 - Implemented use of PPE that can be reprocessed (e.g., cloth gowns)
 - Using barriers or devices to prevent exposures (e.g., plastic windows, call systems, closed suction)

Source: CDC Engineering and Administrative https://www.cdc.gov/coronavirus/2019-ncov/hcp/respirators-strategy/ndex.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fhcp%2Frespirators-strategy%2Fconventional-capacity-strategies.html Controls Accessed April 11, 2020



Assumptions **Before** Crisis Interventions:

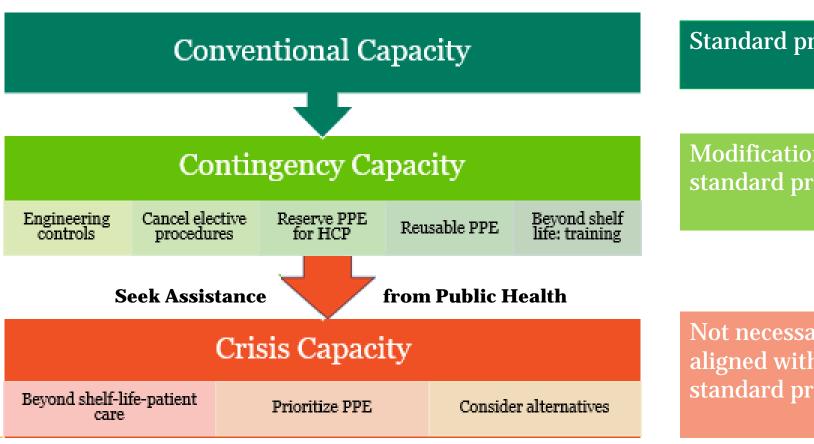
- Maximized use of work practice controls
 - Excluded visitors and non-essential workers
 - Excluded those who are not providing direct care from patient room
 - Limited face to face encounters of healthcare providers with patients
 - Provided required education, training, and demonstrated competency about available PPE including donning and doffing

Source: CDC Engineering and Administrative https://www.cdc.gov/coronavirus/2019-ncov/hcp/respirators-

<u>strategy/index.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fhcp%2Frespirators-strategy%2Fconventional-capacity-strategies.html</u> Controls Accessed April 11, 2020



CDC: PPE Optimization Strategy

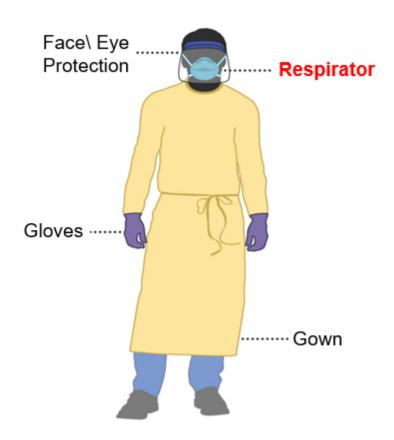


Standard practices

Modifications to standard practices

Not necessarily aligned with standard practices

PPE Selection based on Anticipated Exposure



Aerosol Generating Procedures



Routine Care





Respiratory Protection

Respirator vs Facemask



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Personal Protective Equipment - Mask Considerations When Caring for Known or Suspected COVID-19 Patients

Print

Is it acceptable to wear a facemask when caring for a known or suspected COVID-19 patient ?

Any examples are for illustrative purposes only.

Based on the report from the first 55,924 cases of COVID-19 in China and CDC: What Healthcare Personnel Should Know about Caring for Patients with Confirmed or Possible COVID-19 Infection, facemasks* are an acceptable alternative to respirators** when caring for a person with known or suspected COVID-19, except when participating in aerosol generating procedures (e.g. endotracheal intubation, suctioning of the respiratory tract [if not using in-line suction catheters], and bronchoscopy)...

- * Facemask (e.g., surgical or procedural mask): A facemask is a loose-fitting disposable device that creates a physical barrier between the mouth/nose of wearer and potential contaminants in the environment
- *** Respirators: A respirator is a personal protective device that is worn on the face, covers at least the nose and the mouth, and is used to reduce the wearer's risk of inhaling hazardous airborne particle (e.g. dust and infectious agent(s). Types of respirators include N95s, elastomeric filtering facepiece, and powered air-purifying respirators (PAPRs)

Additional Resources:

U.S. Department of Labor Issues Temporary Enforcement Guidance for Respirator Fit-Testing in Healthcare during COVID-19 Outbreak

Last updated on April 09, 2020



Filtering Facepiece Respirators



N95 (or higher) mask

Disposable
Filters airborne particles
Requires fit testing



Elastomeric Filtering Facepiece

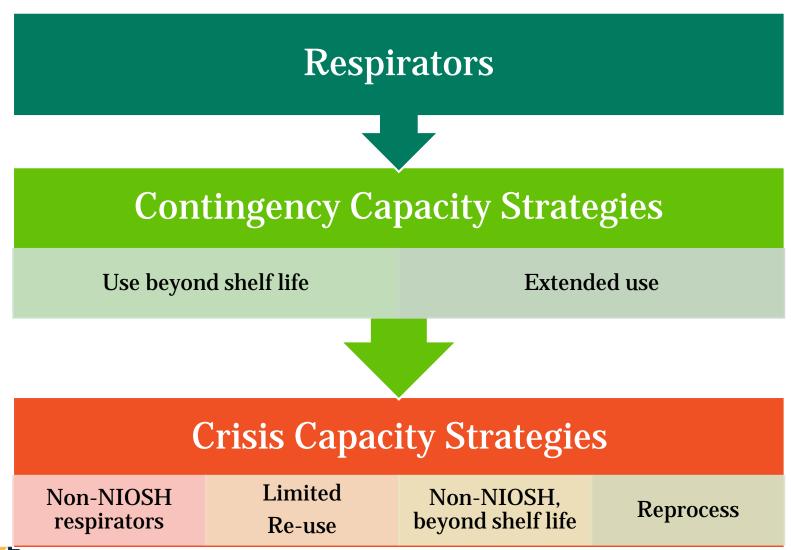
Reusable device Requires fit testing May be disinfected



Powered Air-Purifying Respirator (PAPR)

Reusable device
Battery operated
Half or full facepiece

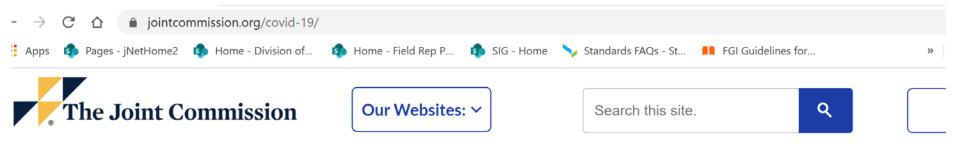
CDC: Respirator Optimization Strategy





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Joint Commission Coronavirus Website



Disinfection/Decontamination of Masks and Respirators

• Can single use respirators be decontaminated? Read FAQ - New! April 2, 2020

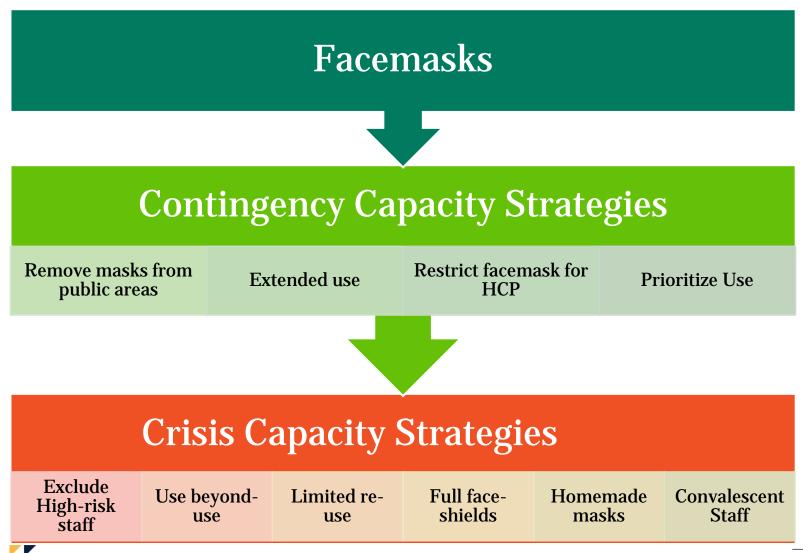
Note: Agencies, such as <u>States</u>, the <u>CDC</u>, <u>FDA</u> and other stakeholders, including <u>safety</u> <u>organizations</u>, have provided guidance on this practice. *The resources below are listed as a service. The Joint Commission does not endorse any specific method or product.*



N95 Decontamination



CDC: Facemask Optimization Strategy



Facemasks or Respirators from Home



ANNOUNCEMENT:

Joint Commission Statement on Use of Face Masks Brought From Home



The Joint Commission supports allowing staff to bring their own standard face masks or respirators to wear at work when their health care organizations cannot routinely provide access to protective equipment that is commensurate with the risk to which they are exposed. In taking this position, The Joint Commission recognizes:

- Hospitals must conserve personal protective equipment (PPE) when these items are in short supply to protect staff who perform high-risk procedures.
- The degree to which privately-owned masks and respirators will increase the protection of health care workers is uncertain, but the balance of evidence suggests that it is positive.
- No Joint Commission standards or other requirements prohibit staff from using PPE brought from home.
- Homemade masks are an extreme measure and should be used only when standard PPE of proven protective value is unavailable.

The evidence assessment and policy analysis that is the foundation of this statement may be found on page 2 of this document.



Frequently Asked Questions in Response to The Joint Commission's Position Statement on Use of Face Masks Brought from Home

Why did The Joint Commission feel it was necessary to develop this position statement?

The Joint Commission's Office of Quality and Patient Safety has received numerous complaints from health care workers about inadequate personal protective equipment (PPE). For example, staff have reported:

- Lack of N95 masks for performing aerosolizing procedures
- Having to wear a surgical mask for a prolonged period (up to a week)
- Not being allowed to wear a mask when exposed to a large number of patients who could have COVID-19 (i.e., concerns about caring for asymptomatic and minimally symptomatic when COVID-19 is prevalent)
- Working without routinely wearing masks even after an outbreak occurred among the medical staff from an infected physician

The American College of Emergency Physicians and the American College of Physicians also shared similar concerns voiced by their members. We also have received reports of hospitals citing nonexistent Joint Commission standards to prevent staff from bringing their own PPE to work in shortage situations.

Is The Joint Commission advocating for routine use of N95 masks?

No. Hospitals must conserve N95 respirators as much as possible to protect staff who perform high-risk procedures that aerosolize viral particles. However, there are reports of hospitals not having enough N95 masks for all procedures that aerosolize viral particles. Such procedures include bronchoscopy, endotracheal intubation, positive pressure ventilation (BiPAP and CPAP), nebulizer treatment, sputum induction, airway suction, high frequency oscillatory ventilation, chest physiotherapy, and bronchoscopy. If a hospital cannot provide N95 masks for staff performing these procedures or working in the immediate vicinity, staff should be allowed to bring in their own masks.

The statement says The Joint Commission supports allowing staff to bring their own masks or respirators to wear at work when their health care organizations cannot provide them with adequate protection <u>commensurate</u> with the risk of infection to which they are exposed by the nature of their work. What does this mean?

Hospitals should be allowed to restrict staff from bringing in their own PPE if what they want to bring in is not justified by the person's level of risk of exposure to the SARS-CoV-2 virus. An engineer working in the basement of a hospital or someone working in food services has very low risk of work-related exposure, and it would be appropriate to prohibit these individuals from wearing masks. It also would be appropriate for a hospital to prohibit the routine use of N95 masks for personnel working in an area with no exposure to aerosolized viral particles. In contrast, if a hospital cannot provide N95 masks for staff who perform aerosolizing procedures or who work in close proximity to where aerosolizing procedures are done (e.g., emergency endotracheal intubation or nebulizer treatments in emergency departments), then the hospital should allow staff to bring in an N95 mask instead of just wearing a standard mask.





Other PPE

CDC: Eye\ Face Optimization Strategy

Eye\ Face Protection



Shift to re-usable devices

Extended use

Prioritize Use



Crisis Capacity Strategies

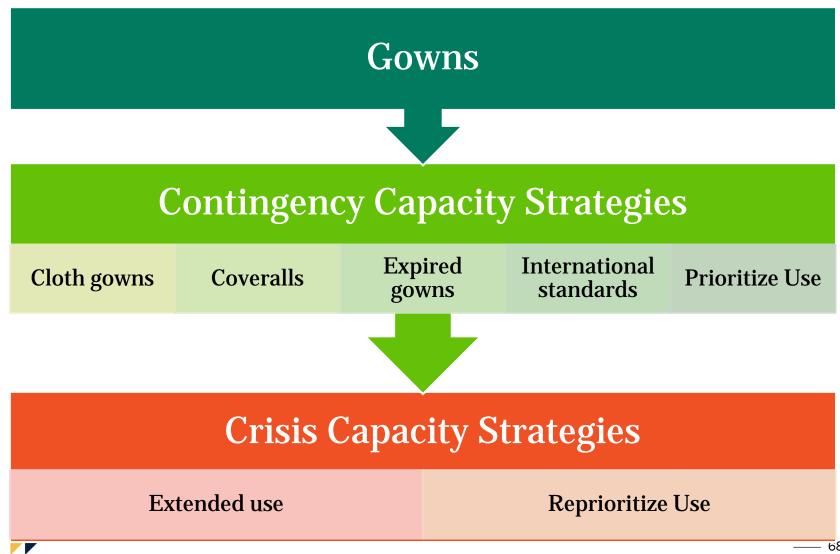
Use beyond shelf life

Re-prioritize Use

Alternative safety glasses

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CDC: Gown Optimization Strategy



Extended Glove Use



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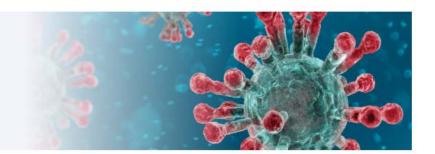
Performance Improvement >

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Coronavirus (COVID-19)

Trusted Guidance, Trusted Resources.



FDA Guidance on Managing Critical Shortages

- Conservation of Gloves
- <u>Surgical Mask and Gown Conservation Strategies Letter to Healthcare Providers</u>

Note: In reviewing FDA guidance on strategies to conserve gloves, you need to know what type of gloves you use in your facility (e.g., latex, vinyl and nitrile). It is safe to use alcohol-based hand rub on latex and nitrile gloves. But the FDA states that alcohol is not recommended for cleaning vinyl gloves because it may degrade them.



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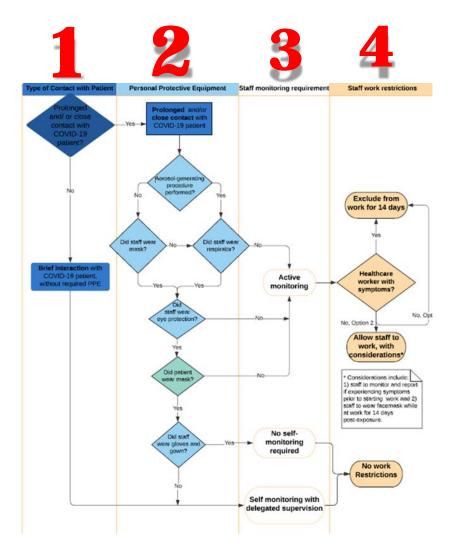
Staff Health and Well-being

Exposure Monitoring and Return to Work

- 1- Level of exposure
- 2- PPE used



- 3-Symptom monitoring
- **4** Work restrictions





Mental Well Being



- Communication
 - Updates/process changes
 - Share good news
 - Provide staff way to voice concerns
 - Limit non essential email, alerts
- Monitor time with COVID patients
- Encourage self-care
 - Meditation
 - Extracurricular activities



Provide Reassurance and Reducing Stigma

SHARE FACTS ABOUT COVID-19

Know the facts about coronavirus disease 2019 (COVID-19) and help stop the spread of rumors.



Diseases can make anyone sick regardless of their race or ethnicity.

Fear and anxiety about COVID-19 can cause people to avoid or reject others even though they are not at risk for spreading the virus.

FACT 2

For most people, the immediate risk of becoming seriously ill from the virus that causes COVID-19 is thought to he low

Older adults and people of any age who have serious underlying medical conditions may be at higher risk for more serious complications from COVID-19.

FACT 3

Someone who has completed quarantine or has been released from isolation does not pose a risk of infection to other people.

For up-to-date information, visit CDC's coronavirus disease 2019 web page.



4

There are simple things you can do to help keep yourself and others healthy.

- Wash your hands often with soap and water for at least 20 seconds, especially after blowing your nose, coughing, or sneezing; going to the bathroom; and before eating or preparing food.
- Avoid touching your eyes, nose, and mouth with unwashed hands.
- · Stay home when you are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash.

FACT 5 You can help stop COVID-19 by knowing the signs and symptoms:

- Fever
- Cough
- · Shortness of breath

Seek medical advice if you

Develop symptoms

AND

 Have been in close contact with a person known to have COVID-19 or if you live in or have recently been in an area with ongoing spread of COVID-19.

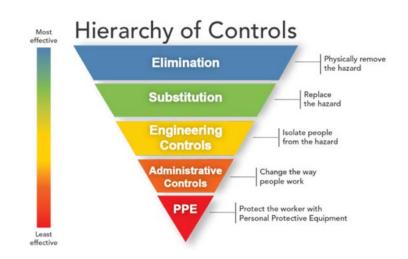
cdc.gov/COVID-19

https://www.cdc.gov/coronavirus/2019ncov/symptoms-testing/reducingstigma.html



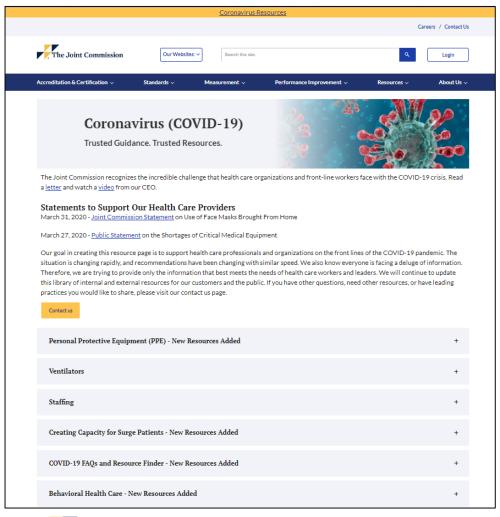
Summary for COVID-19

- Organizations must have a holistic approach to anticipating and addressing issues
- Communicate and collaborate with front-line staff to implement solutions that provide for everyone's safety and well-being
- Use only credible sources for information and planning





Resources: The Joint Commission



https://www.jointcommission.org/covid-19/





Questions?

Use the Standards Interpretation Site

https://web.jointcommission.org/sigsubmission/sigquestionform.aspx

