

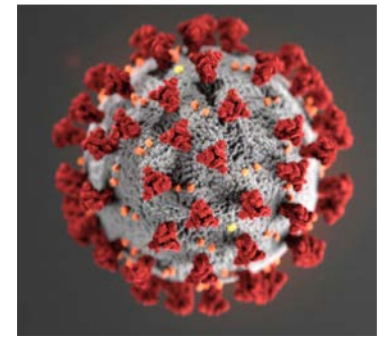
Montefiore COVID19 Update

Montefiore Infectious Diseases and
Epidemiology Team

Agenda

- Brief world COVID update
- Montefiore specific updates
 - PPE/Inpatient flow update
 - COVID Hotline workflow and update
 - Testing update
- Therapeutics
- Clinical trials

What is COVID-19?



- Coronaviruses are a large family of viruses including several that cause the common cold
- A novel coronavirus infection (COVID-19) was first reported December 31, 2019 in Wuhan, Hubei Province, China
- Initial cases were linked to an animal market but subsequent cases occurred through human-to-human spread in China
- **COVID-19 disease** is caused by the **SARS-CoV-2 virus**, which is similar but distinct from SARS and MERS, which are other types of coronavirus infections that have caused outbreaks in the past.
- China and multiple other countries are experiencing widespread sustained local spread (South Korea, Italy, Iran, Japan)
- Since December, >100,000 COVID-19 cases have been reported
- There have been confirmed cases in more than 100 countries
- In the US, 36 states have reported >600 cases, including New York State

[illegible]

Declared PANDEMIC by WHO 3/11/20

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Coronavirus COVID-19 Global Cases by the Center for Systems Science and Engineering (CSSE...)



Total Confirmed

126,660

Confirmed Cases by

Country/Region/Sovereignty

y

80,932 China

12,462 Italy

9,000 Iran

7,869 Korea, South

2,284 France

2,277 Spain

2,078 Germany

1,321 US

696 Cruise Ship

652 Switzerland



Cumulative Confirmed Cases

Active Cases

116

countries/regions

Lancet Inf Dis Article: [Here](#). Mobile Version: [Here](#). Visualization: [JHU CSSE](#).

Automation Support: [Esri Living Atlas team](#) and [JHU APL](#).

Data sources: [WHO](#), [CDC](#), [ECDC](#), [NHC](#) and [DXY](#) and local media reports. Read

Total Deaths

4,641

3,056 deaths
Hubei China

827 deaths
Italy

354 deaths
Iran

66 deaths
Korea, South

55 deaths
Spain

48 deaths
France France

20 deaths

Total Recovered

68,305

50,318 recovered
Hubei China

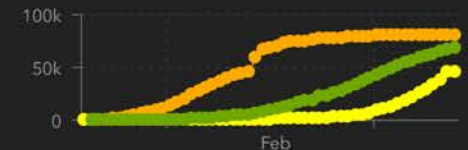
2,959 recovered
Iran

1,289 recovered
Guangdong China

1,249 recovered
Henan China

1,197 recovered
Zhejiang China

1,045 recovered
Italy



● Mainland China ● Other Locations

● Total Recovered

Actual

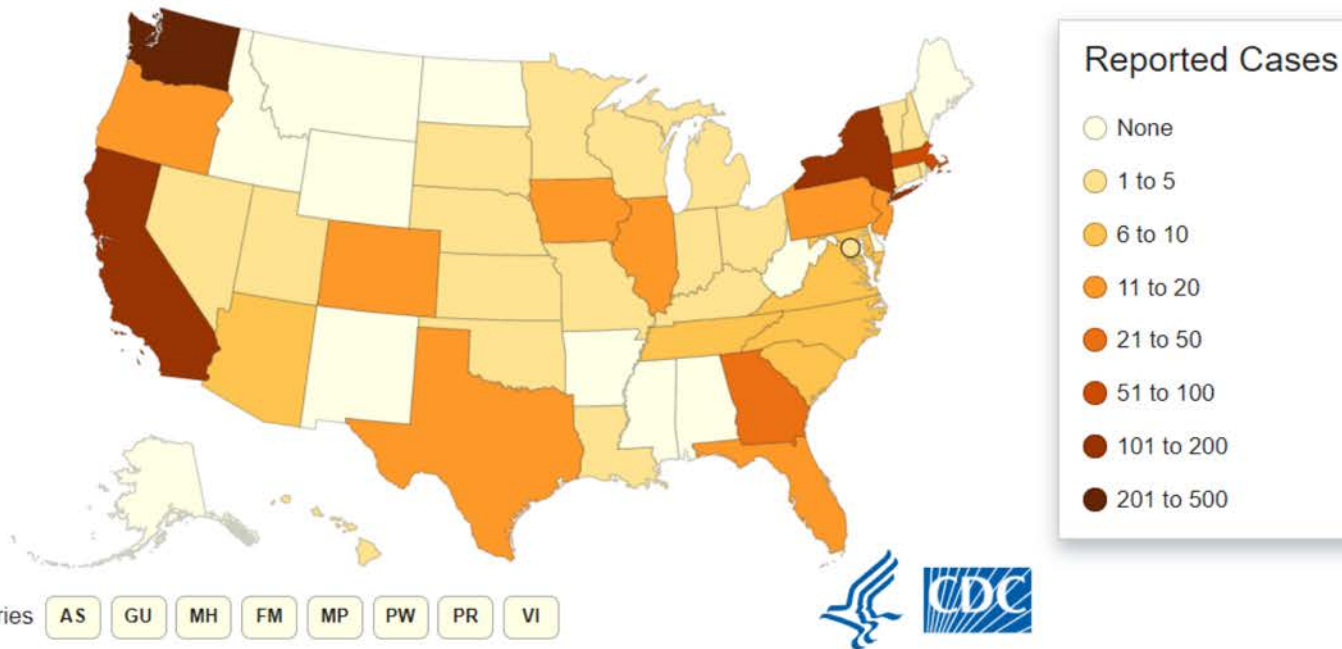
Logarithmic

Daily Cases

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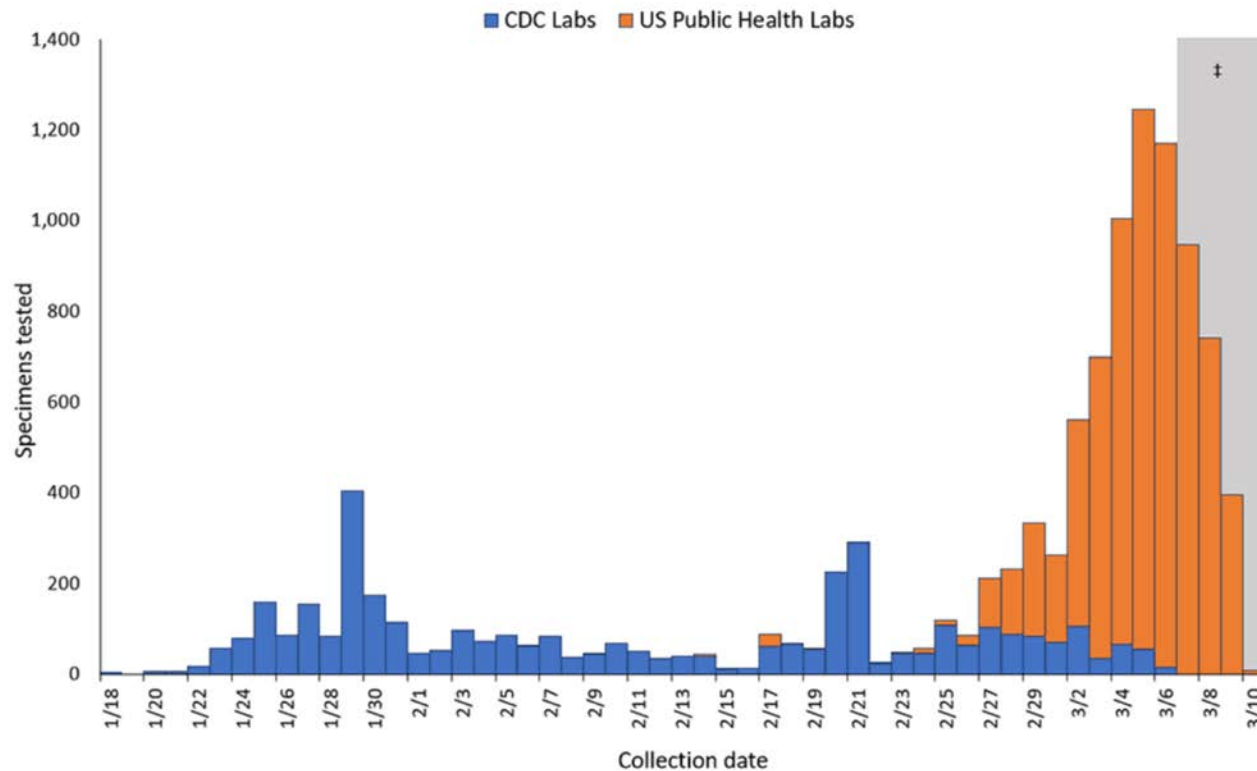
COVID19 Cases

States Reporting Cases of COVID-19 to CDC*



COVID-US CDC

Number of specimens tested for the virus that causes COVID-19 by CDC labs (N=3,791) and U.S. public health laboratories* (N=7,288) by date of specimen collection†



*Reporting public health laboratories are 46 state public health labs (AK, AL, AR, AZ, CA, CO, CT, DE, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, MT, NC, ND, NE, NH, NJ, NM, NV, NY, OH, OK, OR, PA, RI, SC, TN, TX, VT, WA, WI and WY), New York City, USAF, and 5 California Counties.

As of 3/12/2020

New York COVID19 Cases

as of March 11, 2020

Data last updated 4:00pm March 11, 2020

	Positive Cases
Westchester County	121
Nassau County	28
Suffolk County	6
Rockland County	6
Saratoga County	2
Ulster County	1
New York State (Outside of NYC)	164
New York City	52
Total Positive Cases (Statewide)	216

NYC DOH Novel Coronavirus Hotline: 1-888-364-3065

Source: NYC DOH

How is it Spread?

- What we know is largely based on what is known about similar coronaviruses
- Transmission is Person to Person
 - Persons within 6 feet of each other
 - Respiratory droplets – produces when person coughs or sneezes (large droplets)
 - Also isolated from stool and blood
- Transmission via fomites – touching surface with SARS-CoV-2 on it, then touching mouth or eyes
- Incubation period 1-14 days (median 5-6, max up to 24 days)
- Quarantine is 14 days from last exposure based on other coronaviruses.
- Community spread, not linked to travel

Managing spread

- **Containment** – has not been completely successful
- **Mitigating** strategies
 - Social distancing
 - Isolating ill persons
 - School closures
 - Telecommuniting as much as possible

What are the symptoms of COVID-19?

- From mild to severe and death – more severe in elderly and pts with comorbidities
- Onset 2-14 days after exposure – based on experience with MERS-CoV
- What does this look like clinically?:
 - **Fever; Dry Cough**; Fatigue and myalgias; Shortness of breath
- Labs: Lymphopenia, prolonged PTT, elevated LDH and LFTs
- Imaging: CXR – bilateral patchy infiltrates, CT chest – ground glass infiltrates

Del Rio, C. & Malani, P. N. COVID-19-New Insights on a Rapidly Changing Epidemic. *JAMA* (2020)

COVID19 Summary

- Symptoms: fever, cough, shortness of breath, muscle aches (flu-like symptoms)
 - Some people have sore throat or upset stomach
- Incubation Period: 2-14 days
- Transmission: Human-to-human spread likely via coughing, sneezing, and direct contact with respiratory secretions
- Severity: 80% of people do not require hospitalization
- Diagnosis: NY State lab and NYC lab, Labcorp, Quest
- Treatment: Supportive (oxygen, fluids, etc.)
- Prevention: No vaccine. Hand hygiene, transmission-based precautions, social distancing strategies

COVID-19 Infection Control

- Source Control: Masking the patient has protection and is recommended
- Isolation:
 - Droplet+Contact+Standard (including eye protection) for other contact and care
 - Airborne+Contact+Standard (including eye protection) for aerosol generating procedures (performed (BiPAP, CPAP, nebulizer, intubation/extubation, or open airway suctioning) and for intubated patients
- Environmental Cleaning: normal terminal cleaning (2 hr rest if possible)
- Transport: Patient should wear surgical mask

COVID-19 prevention

- Hand Hygiene
- Hand Hygiene
- Hand Hygiene
- Avoid touching eyes, nose, mouth
- Stay home if you are sick
- Cover your cough and sneeze
- Clean and disinfect high touch surfaces
- Facemask for people with symptoms of COVID to protect others

Regulatory Updates

- CDC update re PPE use for COVID
- WHO rec for PPE REUSE
- Expanded travel ban

CDC Revised Recommendations 3/10/20

Interim Infection Prevention and Control Recommendations for Patients with Suspected or Confirmed Coronavirus Disease 2019 (COVID-19) in Healthcare Settings

Summary of Changes to the Guidance:

- Updated PPE recommendations for the care of patients with known or suspected COVID-19:
 - Based on local and regional situational analysis of PPE supplies, facemasks are an acceptable alternative when the supply chain of respirators cannot meet the demand. During this time, available respirators should be prioritized for procedures that are likely to generate respiratory aerosols, which would pose the highest exposure risk to HCP.
 - Facemasks protect the wearer from splashes and sprays.
 - Respirators, which filter inspired air, offer respiratory protection.
 - When the supply chain is restored, facilities with a respiratory protection program should return to use of respirators for patients with known or suspected COVID-19. Facilities that do not currently have a respiratory protection program, but care for patients infected with pathogens for which a respirator is recommended, should implement a respiratory protection program.
 - Eye protection, gown, and gloves continue to be recommended.
 - If there are shortages of gowns, they should be prioritized for aerosol-generating procedures, care activities where splashes and sprays are anticipated, and high-contact patient care activities that provide opportunities for transfer of pathogens to the hands and clothing of HCP.
- Included are considerations for designating entire units within the facility, with dedicated HCP, to care for known or suspected COVID-19 patients and options for extended use of respirators, facemasks, and eye protection on such units. Updated recommendations regarding need for an airborne infection isolation room (AIIR).
 - Patients with known or suspected COVID-19 should be cared for in a single-person room with the door closed. Airborne Infection Isolation Rooms (AIIRs) (See definition of AIIR in appendix) should be reserved for patients undergoing aerosol-generating procedures (See Aerosol-Generating Procedures Section)
- Updated information in the background is based on currently available information about COVID-19 and the current situation in the United States, which includes reports of cases of community transmission, infections identified in healthcare personnel (HCP), and shortages of facemasks, N95 filtering facepiece respirators (FFRs) (commonly known as N95 respirators), and gowns.
 - Increased emphasis on early identification and implementation of source control (i.e., putting a face mask on patients presenting with symptoms of respiratory infection).

Montefiore Readiness



Identify

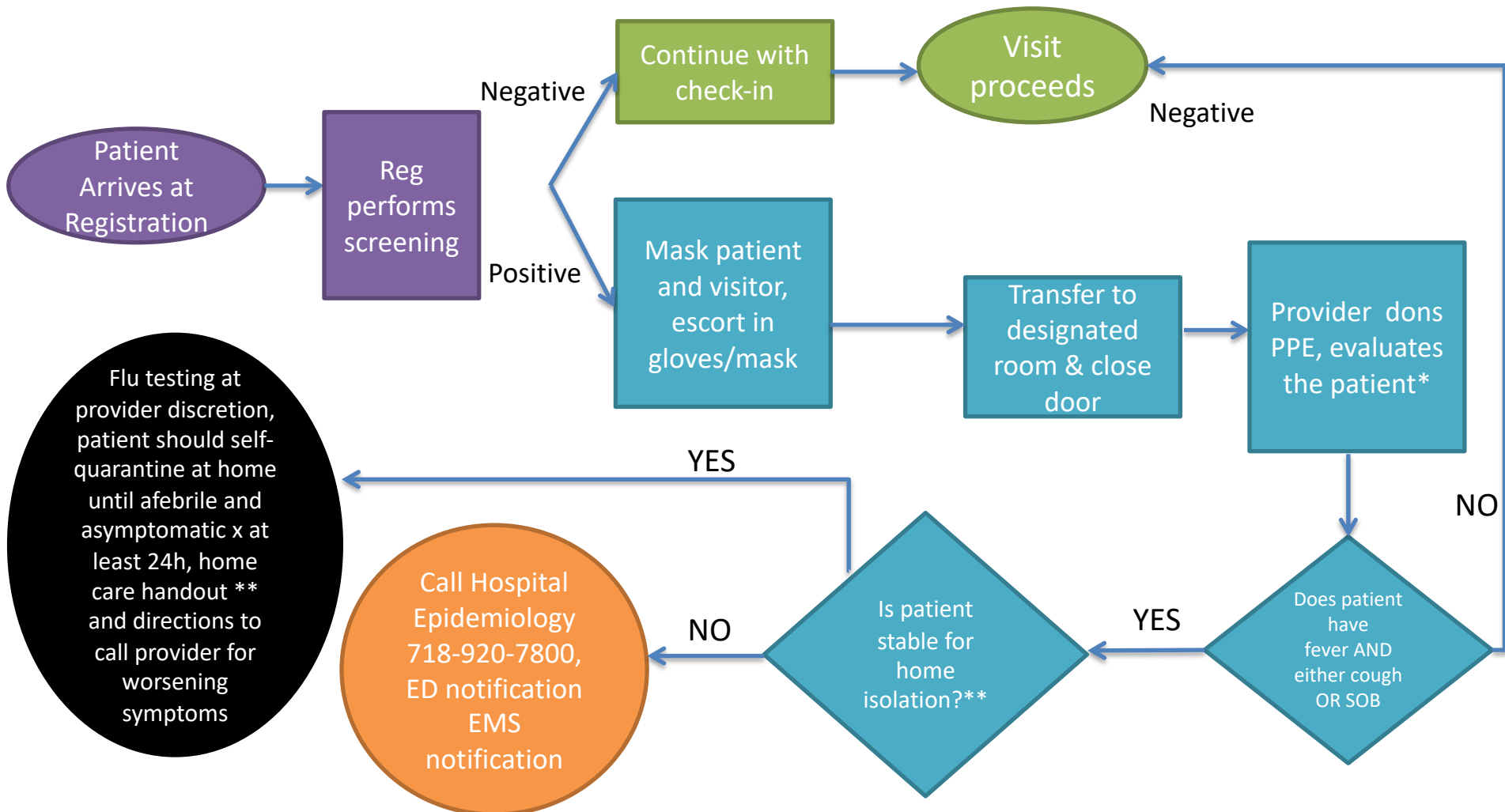


Isolate



Inform

Ambulatory MHS COVID-19 Algorithm



*Ambulatory PPE is surgical mask, +/- eye protection, gown, gloves

**Consider if patient lives in congregate setting/shelter when determining appropriateness for home care.

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/guidance-home-care.html> includes guidance and patient instructions.

Affected Areas/Higher Index of Suspicion if Travel to:

- China
- South Korea
- Japan
- Iran
- Italy

MHS Adult ED/Inpatient COVID-19 Screening Algorithm

Signs and Symptoms

Subjective or measured fever $\geq 38.0^{\circ}\text{C}$ (100.4°F)

OR

Cough or shortness of breath

YES

NO

STOP
Green tag,
standard
precaution
no testing

Mask the patient and ask about Travel and Exposure

Travel or Exposure

- Patient has **traveled to China or an affected area** (see pink box) within the last **14 days**
- OR**
- Patient has had **contact** with a **KNOWN** patient infected with COVID-19 in the last **14 days**

YES

STOP
Issue Orange
tag mask
patient,
Isolate,
Inform

NO

YES

ill-appearing?

NO

Take vitals

YES

STOP
Issue Blue Tag,
Mask patient,
start droplet and
contact, begin
Respiratory
Illness Pathway

NO

Hypotension,
Tachypnea or
Hypoxia
present?

Suspicious
Respiratory
Illness after
Workup?

NO

Personal Protective Equipment (PPE) for Orange and Blue Pathway:

Contact/Droplet/Standard with Eye Protection recommended in private room with door closed

- Surgical mask
- Contact isolation gown
- Gloves
- N95/face shield (if available) for intubated patients or aerosol-generating event (nebulizer, BiPAP, CPAP, open airway suctioning, intubation/extubation etc.) in a negative pressure room

Hospital Epidemiology:

718-920-7800

Provider access lines:

-NYC DOH 866-692-3641

-Westchester County

DOH: 914-813-5000

-Rockland County DOH M-F 8am-5pm: 845-364-2997

-Rockland County DOH

after hours/weekend:

845-364-8600

-Orange County DOH: 845-

291-2330

-Dutchess County DOH:

845-486-3400

-Ulster County DOH: 845-

340-3090

Respiratory Illness Pathway

STOP

Screening and
issue Blue tag
and mask,
droplet &
contact

- **Isolation:** Droplet and Contact and Standard with Eye Protection
 - Mask patient
 - Post droplet and contact isolation signs and enter isolation orders
 - Cohort if possible
 - Consider N95 fluid shield for any aerosol-generating procedure, if available (intubated patient, BiPAP, CPAP, nebulizer, intubation/extubation, or open airway suctioning)
- **Infectious Workup**
 - Influenza/RSV PCR; if negative then Respiratory Pathogen Panel
 - Blood culture
 - Respiratory culture
 - S. Pneumoniae and Legionella urine antigens
- **Imaging**
 - CXR
 - If CXR indeterminate, consider pulmonary ultrasound (if needed for more information per Pulmonary)
 - CT if needed for other diagnoses (e.g. PE) or for further workup
- **Laboratory Testing**
 - CBC
 - PT
 - LDH

Inpatient workflow

- Decision has already been made to admit this patient
- This means that patient has **severe enough respiratory illness (Influenza like illness ILI) to require inpatient care.**
- Patient destination will depend on their clinical status – this is actually **same** for all **ILI** (Influenza, etc) regardless of the virus causing respiratory distress or viral pneumonia.
- Management and PPE will, therefore, be SAME regardless of whether patient is confirmed COVID or suspected COVID – will be based on **CLINICAL STATUS**

Inpatient flow and PPE

Aerosol Generating procedures:

- Upper airway testing (RPP, COVID swabbing)
- Bipap
- CPAP
- HFNC
- Nebulizer Tx
- Bag-Mask ventilation
- Bronchoscopy
- Active Intubation
- Intubated patient

Stable

(non-invasive respiratory support)

Blue – pending testing;
Orange (stable COVID)

Floor admission

NC O2 or RA support only

Floor admission

Req Aerosolizing procedures*

Stable – d/c home

Contact+Droplet; Surgical mask with shield, gown and gloves

Contact+Droplet
N95 mask* use during aerosol generating procedures

DOOR SIGN:

STOP: CHECK IF AEROSOL GENERATING PROCEDURE* IS IN PROGRESS! If **YES=N95**

Pt with ILI and Respiratory symptoms

Unstable

(respiratory failure or impending respiratory failure)

Orange (confirmed COVID or pending)

ICU or Critical Care level admission

Airborne+Contact; N95, Face shield, gown and gloves

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









EPIC Updates

- COVID19 Isolation orders indications
 - Contact + Droplet
 - Contact + Airborne
- Respiratory Pathogen Orderset (COVID19)

Indications	<div>Contact and airborne isolation status</div> <div><div><div>!</div>Contact and airborne isolation indication</div><div>Rule out COVID-19</div><div>COVID-19</div><div>Other indications for Contact and Airborne</div></div> <div>Contact and droplet isolation status</div> <div><div><div>!</div>Contact and droplet isolation indication</div><div>Unknown respiratory infection under investigation</div><div>Other indications for Contact and Droplet</div></div>														
Storyboard	<div><div><div><div>River, Chillie</div><div>Female, 7 y.o., 11/12/2012</div><div>MRN: 08402265</div><div>Bed: CH6EPI-603 EPI-E603-A</div><div>Cur Location: MOSES</div><div>DIAGNOSTIC RADIOLOGY</div><div>Code: FULL (no ACP docs)</div><div><div><div>🔍</div>Search</div></div><div>Infection: r-o/COVID19</div><div>Isolation: Contact and Airborne</div></div><div><div><div>Test, Adultfemale</div><div>Female, 85 y.o., 12/2/1934</div><div>MRN: 05122414</div><div>Bed: MHF6AW-F673-F673-A</div><div>Code: Not on file (no ACP docs)</div><div><div><div>🔍</div>Search</div></div><div>Infection: Unknown Resp</div><div>Isolation: Contact and Droplet</div></div></div></div></div>														
Storyboard Report	<div><div><div><div>🔍 Patient Infection Status</div><div>⌵</div></div><table><tr><th>Infection</th><th>Onset</th><th>Added</th><th>Last Indicated</th><th>Last Indicated By</th><th>Review</th><th>Planned Expiration</th></tr><tr><td>Unknown respiratory infection under investigation</td><td></td><td>03/09/20</td><td>03/09/20</td><td>Contact and droplet isolation status (Ordered)</td><td></td><td>04/08/20</td></tr></table></div></div>	Infection	Onset	Added	Last Indicated	Last Indicated By	Review	Planned Expiration	Unknown respiratory infection under investigation		03/09/20	03/09/20	Contact and droplet isolation status (Ordered)		04/08/20
Infection	Onset	Added	Last Indicated	Last Indicated By	Review	Planned Expiration									
Unknown respiratory infection under investigation		03/09/20	03/09/20	Contact and droplet isolation status (Ordered)		04/08/20									

ED & Inpatient Providers: Respiratory Pathogen Order Set (COVID-19) (available 3-11-2020 1pm)

- An order set has been created for respiratory pathogen testing including COVID-19.

Order Sets & Panels			Search order sets by user
	Name	User Version Name	Type
	 Respiratory Pathogen		Order Set
	 At-risk for acute respiratory failure		Order Set
	 MMC IP newly intubated		Order Set
	 ED Adult Cough, Dyspnea, Bronchospasm, Allergy, COPD and Related Respirat...		Order Set
	 RAPID RESPONSE TEAM ORDER SET		Order Set

Order Sets

Orders

Respiratory Pathogen

Labs

Labs

- ☐ Liver tests
- ☐ Venous, Blood Gas, Comprehensive
- ☐ CBC
- ☐ BLOOD CULTURE
- ☐ Lactic Dehydrogenase (LDH)
- ☐ Urine, Bacteriology Culture
- ☐ Urinalysis
- ☐ Urine, Legionella Antigen
- ☐ Urine, Streptococcus pneumoniae Antigen
- ☐ Influenza/RSV PCR
- ☐ Respiratory Pathogen Panel

Imaging

Imaging

- ☐ XR chest - PA and lateral
- ☐ XR chest - portable AP

Isolation

Isolation

- ☐ Contact isolation status
- ☐ Droplet isolation status
- ☐ Contact and airborne isolation status

Consults

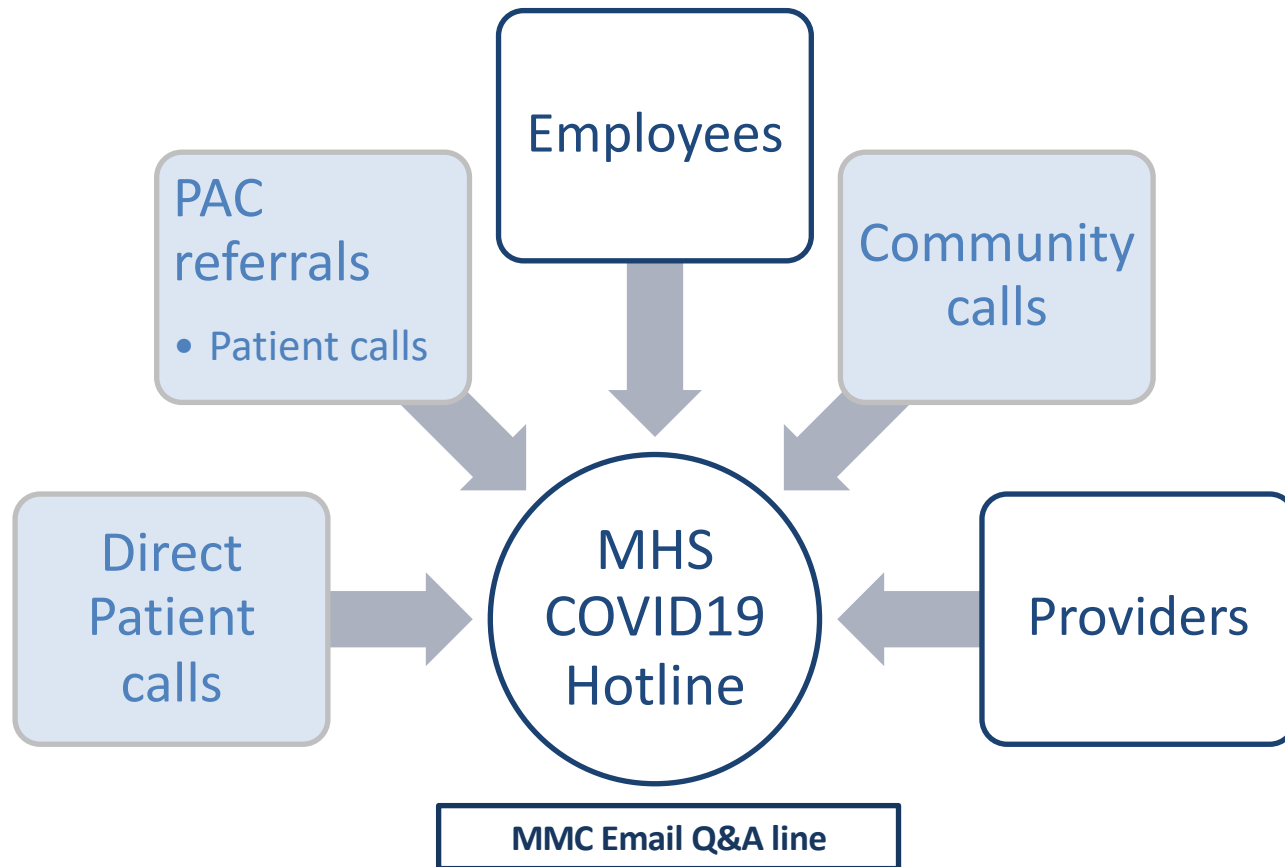
Consults

- ☐ Inpatient consult to infectious diseases
- ☐ Inpatient consult to critical care

Additional SmartSet Orders

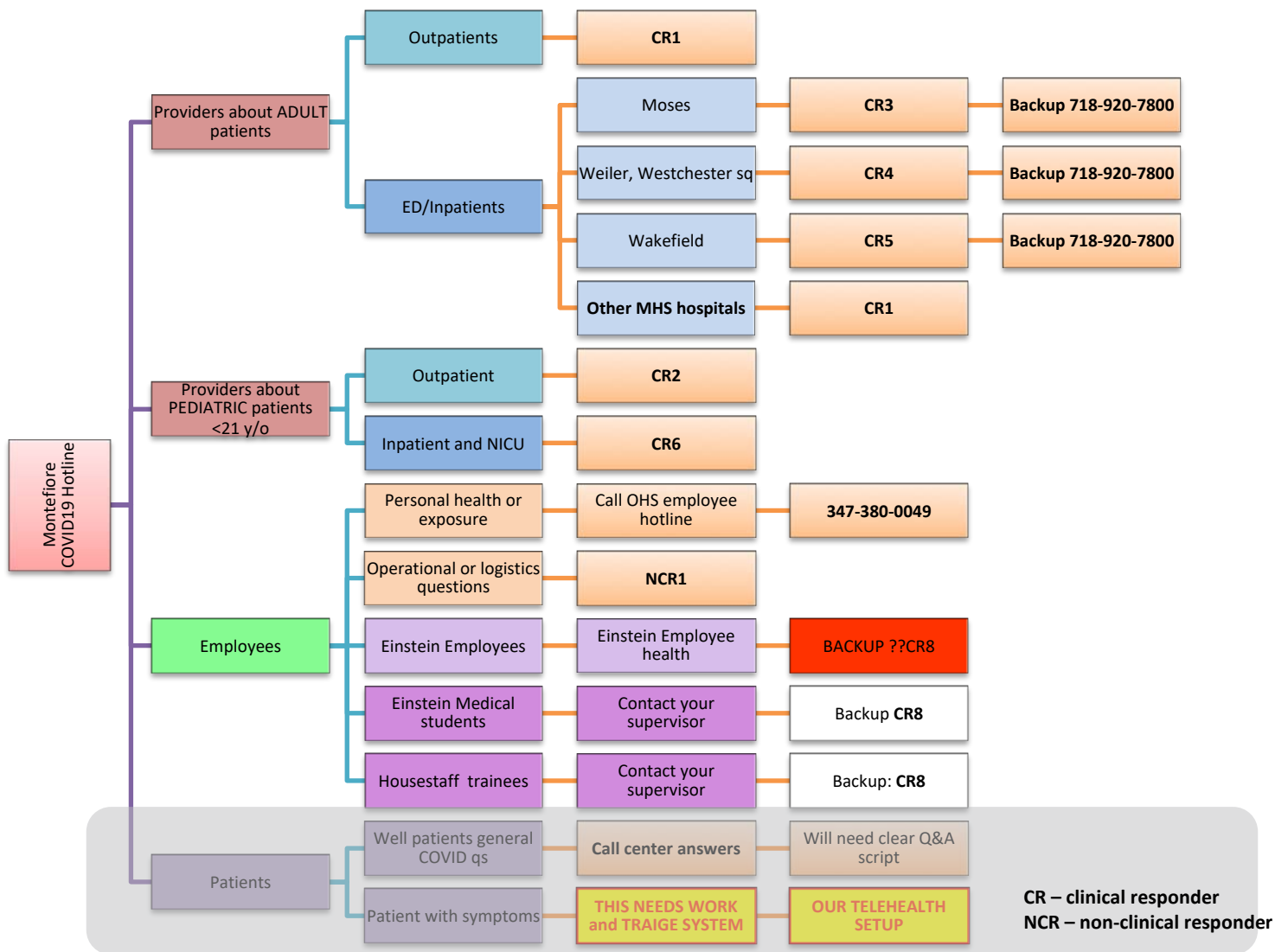
 Search

INTERNAL MMC HOTLINE



OPEN 3/10/20

HOTLINE PHONE LINE is 914-457-4136



Email line – COVID19@Montefiore.org

Update in laboratory testing for CoVID-19 (real-time PCR)

Phasing out testing at public health labs due to enormous hurdles (remains a back-up option if needed)

Inpatient setting: Critically ill patients, then inpatients will be prioritized

- In-house testing capabilities have gone live this week at central lab (Moses)
 - **Tests will need to be approved by our ID/EPI team due to limited kits per day (9 patients, 2 specimens/patient, 1 OP, 1 NP)**
- We need to keep track of all tests and results to report to DOH
- Turn-around-time <24 hours
- Capacity may slowly ramp up over coming weeks
- EPIC order being created

Outpatient setting: Symptomatic patients prioritized (not just exposed)

- Symptomatic OHS specimens, urgent care, ED (not admitted), and ambulatory practice patients
- Working on pathway for send out testing (Labcore and Quest)
- Expected role out: 1-2 weeks

By Traci Klein

Mayo Clinic offers pre-screened patients drive-through specimen collection for COVID-19 testing

March 11, 2020



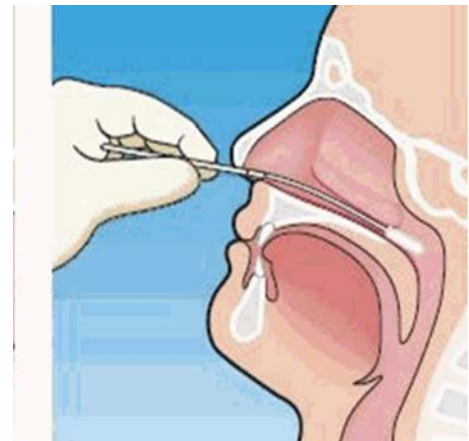
Testing of Exposed, Symptomatic Employees

- Ideally, an outdoor, open space outside of one of the practice sites for “drive up testing”
- Employees can be tested through their car windows by a trained associate in full PPE
- Process takes about 5-10 minutes
- Orders can be placed in EPIC by OHS




Patient Symptoms	Epidemiologic Risk	Patient Status	Testing Process
Fever, cough, SOB, +/- hypoxia	High risk for COVID-19 <ul style="list-style-type: none"> Recent travel to a CDC level 2/3 alert country Exposure to confirmed COVID-19 case 	<ul style="list-style-type: none"> 1st priority – critically ill, respiratory failure, intubated, ECMO, etc. 2nd priority - inpatient ward, not intubated, stable hemodynamics 	<ul style="list-style-type: none"> Notify ID/EPI for approval Place EPIC order (once live) Appropriately label specimen for lab safety protocol In-house testing will be performed
Fever, cough, +/- SOB, +/- hypoxia	No recent travel or exposure to confirmed case but patient ill without alternative diagnosis (other respiratory work up neg)	<ul style="list-style-type: none"> In-house test if criteria met (discussed with ID hotline person on case-by-case basis), otherwise send out to private lab 	<ul style="list-style-type: none"> Notify ID/EPI for approval Place EPIC order (once live) Appropriately label specimen for lab safety protocol Testing either in house or send out
Symptomatic outpatients (urgent care, OHS, planned discharge from ED)	<ul style="list-style-type: none"> Furlough due to known exposure Exposure to confirmed COVID-19 case in community 	<ul style="list-style-type: none"> Send out test (Labcore or Quest) 	<ul style="list-style-type: none"> Place EPIC order (once live); done by OHS for employees Appropriately label specimen for lab safety protocol Testing sent out

2 specimens, 1 OP, 1 NP



Treatment Protocol – Yes, we have one

 <p>COVID-19 Treatment Protocol Prepared by Antimicrobial Stewardship Program, March 2020</p> <p>Please note: Treatment options listed below are adapted from World Health Organization recommendations, which at present does not prioritize any particular regimen. Clinical efficacy of these agents is still under investigation at this time. Supportive care remains the mainstay of treatment. Availability of certain agents may be limited due to supply chain disruptions and back orders. For suspected or confirmed cases requiring treatments listed below, please consult ID and Infection Prevention and Control Departments immediately.</p> <ul style="list-style-type: none"> Combination therapy with antivirals with different mechanisms (i.e. Kaletra or Prezcobix + Ribavirin, OR Chloroquine + Prezcobix) has been described in the literature. 					
Medication	Oral Solution Available?	Currently studied for COVID-19?	Evidence for Coronaviruses	Proposed Dose for COVID-19	Renal Dosing (CrCl, mL/min)
Chloroquine	No (tablet can be crushed)	Yes ¹	In vitro study for COVID-19 ¹ , in vitro studies for MERS-CoV ²⁻⁴ , in vivo and in vitro study for SARS-CoV ^{5,6} , in vitro studies for SARS-CoV ^{7,8,9} https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7047497/pdf/char/en http://rs.viicg.com/pu/abios/1182323.htm (click translate button)	500mg PO q12h x 10 days	CrCl <10: 250mg PO q12h
Hydroxychloroquine	No (tablet can be crushed)	Yes ¹	Clinical trial for COVID-19 ¹⁰	400mg q24h x 5 days	No data
Lopinavir/ritonavir (Kaletra)	Yes	Yes ⁹⁻¹⁶	Clinical trials for COVID-19 ¹⁶ , clinical studies for SARS ¹⁷ , in vitro and clinical studies for SARS-CoV ¹⁸ , in vivo studies MERS-CoV ¹⁹ https://online.liebertpub.com/doi/10.1089/lv.2020.0104	400mg/100mg (2 tablets or 5mL) PO Q12H x 10-14 days	No adjustment needed

			www.wiley.com/doi/epdf/10.1002/jmv.25772		
Lopinavir/ritonavir (Kaletra) + Ribavirin	Kaletra: Yes Ribavirin: No (tablet can't be crushed)	N/A	Clinical trial for SARS-CoV ^{20,21}	Kaletra: 400mg/100mg (2 tablets or 5mL) PO Q12H x 10 days + Ribavirin: 2.4g PO once, then 1.2g PO q12h x 10 days (or 15-30mg/kg/day divided in 2-3 doses, round to the nearest 200mg), monitor Hgb.	Kaletra: no adjustment needed Ribavirin ²² : CrCl 30-50: 200mg PO q8h CrCl <30 or HD: 100 mg PO daily
Darunavir/cobicistat (Prezcobix) Or Darunavir (Prezista) + Ritonavir	Prezcobix: No Prezista: Yes Ritonavir: Yes	Yes ^{14,22}	Clinical trials for COVID-19 ²³	Prezcobix 800mg/150 mg PO daily Or Prezista 800mg PO daily + Ritonavir 100mg PO daily	No renal adjustment needed
Emtricitabine/tenofovir (Truvada)	No (tablet can be crushed)	Yes ²⁴	Clinical trial for COVID-19 ²⁵	Dosage in clinical trial not available For HIV, 1 tablet PO daily	CrCl 30-49: 1 tablet PO q48h CrCl 15-29: 1 tablet PO q72h HD: dose emtricitabine and tenofovir separately, adjust the dose accordingly
Oseltamivir (Tamiflu) (might not be helpful, more for influenza)	Yes			75mg PO q12h	30-40: 30mg PO q12h 10-29: 30mg PO daily <10 or HD: 30mg after HD
Balexavir marboxil (Kofuza)	Tablet (tablet can't be crushed)	Yes	Clinical trials for COVID-19 http://www.chictr.org.cn/showproj.aspx?proj=99013	Clinical trial: Day 1, 4: 80mg Day 7: 80mg if still necessary. Maximum 3 doses in total.	CrCl <50: no data
Remdesivir (GS-5734) <i>Investigational, for compassionate use ONLY</i>	IV	Yes	Clinical trials for COVID-19 ²⁶⁻²⁸ https://clinicaltrials.gov/ct2/show/NCT04380765 https://clinicaltrials.gov/ct2/show/NCT04457656 https://www.nih.gov/news-events/press-releases/2020/04/20	Please contact Antimicrobial Stewardship team to facilitate the process. For compassionate use, treating physician needs to email: • Gilead: compassionateaccess@gilead.com • FDA: drugs_eind_request@fda.hhs.gov or karen_winstock@fda.hhs.gov Recommended dosing: loading dose 200mg IV on day 1, then 100mg IV daily up to 10 days.	

Remdesivir compassionate use for critical illness <https://rdvcu.gilead.com/>



Gilead is working with government and non-government organizations and regulatory authorities to provide remdesivir to eligible patients with COVID-19 for emergency treatment in the absence of any approved treatment options. Remdesivir is an investigational agent and is not approved for use in any country. It has not been demonstrated to be safe or effective for any use.

Compassionate use requests must be submitted by a patient's lead treating physician. Gilead is currently assessing requests on an individual basis and requires, at a minimum, that the patient be hospitalized with confirmed COVID-19 infection with significant clinical manifestations.

Please note that we cannot guarantee access to remdesivir. Our ability to provide access to remdesivir, and the timeframe for processing requests and providing investigational medicine, varies from country to country for many reasons, including national and local laws as well as health authority requirements.

Individual compassionate use requests will only be considered when enrollment in a clinical trial is not a feasible option.

To report an adverse event associated with the compassionate use of remdesivir, please contact (800) 445-3235, option 3 (Hours: 24 hrs/day, 7 days/week).

I'm a healthcare professional

I'm a patient or patient's caregiver

By clicking "I'm a healthcare professional," you are acknowledging that you are a healthcare professional and that you have read and understood the information above.