

**RECOMMENDATIONS FOR THE
PREVENTION AND CONTROL OF
VIRAL RESPIRATORY ILLNESS
IN LONG-TERM CARE FACILITIES AND
OTHER CONGREGATE RESIDENTIAL
SETTINGS IN SOLANO COUNTY**

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Summary of changes since the March 2023 version:

- Added information on Solano Public Health vaccination and masking recommendations (page 4, in red font)
- Added link to a sample linelist/surveillance log for residents and staff (page 5, in red font)
- Changed the outbreak definition for COVID-19 (page 11, in red font)
- Added information on reporting COVID-19 outbreaks through SPOT (page 11, in red font)
- Added link to a template surveillance log for facilities to utilize (page 5, in red font)

I. INTRODUCTION

Several viruses that cause respiratory illness can co-circulate at any given time during a typical respiratory disease season (usually in the fall and winter seasons) and the severity of the season varies from year to year depending on the circulating viral strain, the percentage of population protected through natural or vaccine-induced immunity, how well the vaccines match currently circulating viral strain/s and non-pharmaceutical intervention practices that are employed, among others.

Long-term care and other residential care facility residents are at increased risk for respiratory illnesses and those who are elderly, have immunocompromised conditions and other chronic medical conditions are at increased risk for severe disease, hospitalization and death.

During any given viral respiratory disease season, the co-circulation of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), influenza virus, respiratory syncytial virus (RSV) and other respiratory viruses can cause co-infection or concurrent infections that can lead to several residents and staff getting ill, causing an outbreak. Therefore, it is of critical importance for facilities to optimize all available pharmaceutical and non-pharmaceutical interventions to curb the impact of these viruses in their facilities. Vaccination remains the most effective prevention tool against some of these viral infections and their serious complications. The prompt initiation of antiviral therapy and chemoprophylaxis is an important adjunct to vaccination in preventing severe illness. In addition, non-pharmaceutical interventions (NPIs) such as hand washing, masking, isolation, work exclusion and closing group dining and group activities play important roles in limiting the impact and spread of viral respiratory diseases in facilities.

Because respiratory disease symptoms are similar, the only way to identify the cause of illness is through diagnostic testing. Facilities should test symptomatic residents and staff for influenza and SARS-CoV-2 (or other respiratory pathogens, if able), even when the presence of either/other pathogen has been confirmed in the facility.

This document is the Solano Public Health guidance for facilities that operate within Solano County. Please note that the California Department of Public Health (CDPH), California Department of Social Services (CDSS) or Centers for Medicare and Medicaid Services (CMS) may have different guidance; consult your licensing entity on their recommendations and their corresponding All Facilities Letters (AFLs), Provider Information Notices (PINs) and Quality, Safety and Oversight (QSOs). **In instances where the guidance differs, follow the strictest required guidance given.**

This guidance is the same for all viral respiratory diseases, unless otherwise specified.

II. REPORTING TO SOLANO PUBLIC HEALTH

- **Report outbreaks** to Solano Public Health. *For outbreak definition, see [Section X: Outbreak](#) below*
- Facilities do not need to report to Solano Public Health a single case of influenza, COVID-19 or other viral respiratory pathogens in a resident or staff

III. GENERAL INFECTION PREVENTION AND CONTROL

VACCINATION

Vaccination is the most effective tool for the prevention of certain viral respiratory illness, such as influenza, RSV and COVID-19, and their severe complications. The effectiveness of vaccines varies depending on the currently circulating strain; however, they can prevent severe disease, hospitalizations, ICU (intensive care unit) admissions and death.

- Facilities should develop, review or update their vaccination plan according to the latest information and guidance
- As part of the plan, develop and distribute educational materials for residents and their families/guardians and for staff that describe the benefits of the vaccines and their possible side effects
- Vaccination of **residents**: Also consider the following when developing, reviewing, or updating your plan
 - Obtain standing vaccination orders from residents' providers or vaccination consent forms from family members/guardians or residents prior to each respiratory disease season
 - Review pneumococcal vaccination status of residents who are 65 years and older or those with medical conditions that increase their risk for pneumococcal disease and encourage them or their family members/guardians to be up-to-date with the resident's pneumococcal vaccine
 - The CDC's Advisory Committee on Immunization Practices (ACIP) recommends that adults 65 years and older receive the high dose or adjuvanted influenza [vaccines](https://www.cdc.gov/flu/professionals/vaccination/vax-summary.htm) (<https://www.cdc.gov/flu/professionals/vaccination/vax-summary.htm>)
- Vaccination of **staff**:
 - **Solano Public Health recommends the seasonal influenza and COVID-19 vaccinations and the use of appropriate mask, per local and state guidance, for all healthcare personnel who provide services or work in hospitals and in licensed healthcare and adult and senior care facilities that operate within Solano County. For the list of affected facilities and persons covered, please refer to the recommendation which can be found at <https://www.solanocounty.com/civicax/filebank/blobdload.aspx?blobid=41877>.**

RESPIRATORY AND HAND HYGIENE

- Ensure easy access to alcohol-based hand sanitizer in common areas for staff, residents, and visitors
- Provide tissues, supplies for hand hygiene and waste receptacles at facility entrances year round
- Post visual alerts instructing staff, residents, visitors and others to not enter the facility if they have acute respiratory symptoms
- **STAFF:** Require staff to wash hands/use alcohol-based hand sanitizer before and after contact with every resident, before donning and after doffing personal protective equipment (PPE), before and after eating and toileting
- Provide regular in-service to residents and staff on proper respiratory and hand hygiene
- Solano Public Health can provide in-service and other educational training for staff; email SolanoLTCF@SolanoCounty.com for more information or to schedule a training (See [Appendix D - Trainings Offered by Solano Public Health](#)). If facilities are interested in a training not listed in the Appendix, reach out to SolanoLTCF@SolanoCounty.com for inquiries.

SURVEILLANCE FOR RESPIRATORY ILLNESS

- Monitor residents for new onset of respiratory symptoms and test for COVID-19 and influenza
- Educate and instruct staff to report signs and symptoms of respiratory illness including fever, headache, muscle aches, sore throat, chills, fatigue, runny or stuffy nose, cough, and/or mental status changes occurring in residents
- Monitor staff absenteeism due to respiratory symptoms in order to track facility respiratory illness activity
- Instruct staff to self-report any respiratory infection symptoms to their supervisor and record using a surveillance log ([See Appendices B-Sample Surveillance Log for Residents](#) and [C-Sample Surveillance Log for Staff](#) for examples). **A template linelinst/surveillance log can also be downloaded from <http://www.solanocounty.com/civica/filebank/blobdload.asp?BlobID=41881> for facilities that would like to use it or for those that may not have one.**

ENVIRONMENTAL CLEANING AND DISINFECTION:

- Clean and disinfect frequently touched surfaces and areas, resident rooms, toilets and staff break areas
- Use EPA-approved healthcare grade disinfectants: <https://www.epa.gov/pesticide-registration/selected-epa-registered-disinfectants>

IV. VISITATION

- Encourage visitors to get vaccinated for COVID-19 and influenza
- Visitation, both indoor and outdoor, is **allowed** regardless of resident's illness status;

however, visitors should wear the appropriate required **PPE** based on the resident's illness status. Facilities should **educate** visitors on the required PPE and **train** them on proper donning and doffing.

- Visitation is **allowed at all times**, both indoor and outdoor, even when a facility is on outbreak, unless otherwise limited by Solano Public Health
- Visitors who are **exposed** to someone with COVID-19 are allowed to visit, regardless of vaccination status, as long as they do not show symptoms
- Visitors with acute respiratory symptoms should **reschedule** their visit until their symptoms have resolved
- Visitors with fever should **reschedule** their visit until 24 hours after they have been fever-free without the use of any anti-fever medication
- Solano Public Health has no requirement on vaccination or on masking for asymptomatic visitors

V. TESTING

A true diagnosis of COVID-19 or influenza or RSV or other viral respiratory disease cannot be based on symptoms alone. When there is a cluster of cases of acute respiratory illness, it is of critical importance to establish the diagnosis through testing.

- **Test** residents or staff with respiratory symptoms, regardless of vaccination status, for BOTH influenza and COVID-19, even when the presence of either pathogen has been confirmed in the facility, in order to inform proper treatment and resident placement
- If specimens are negative for both SARS-CoV-2 and influenza, consider testing for other respiratory pathogens per the individual's primary care/medical provider
- Asymptomatic staff or residents **do not** need to be tested for COVID-19 or influenza, regardless of their exposure or vaccination status
- **INFLUENZA:** Specimens obtained within 72 hours of when symptoms first appeared is optimal for influenza testing

VI. MANAGEMENT OF RESIDENTS

MANAGEMENT OF RESIDENTS WITH CONFIRMED VIRAL DIAGNOSTIC TEST

- Restrict residents from **group activities** while in isolation
- Restrict residents from **communal dining** while in isolation; serve meals in their rooms
- **Isolate** a positive resident in a single room, if available
- **Cohort** positive residents together with the same test-confirmed illness if single rooms are not available

- Do not cohort symptomatic residents who are waiting test confirmation with those who have tested positive
- Reschedule medical appointments, unless necessary. If residents on isolation need to leave the facility for medically necessary appointments, place a facemask on the residents, if tolerated, and have residents perform hand hygiene
- **INFLUENZA:** When there's a single positive case of influenza and a single room is not available, residents who test positive for influenza may remain in their rooms with spatial separation of at least 6 feet and privacy curtain between residents
- **COVID-19 and INFLUENZA:** For residents with symptoms
 - Remove residents who test positive for COVID-19 or influenza from isolation after 5 (five) full days* from when symptoms first appeared **AND** after fever has resolved for at least 24 hours without the use of fever-reducing medication **AND** when symptoms are improving
- **COVID-19:** For residents with no symptoms
 - Isolate asymptomatic residents who test positive for COVID-19 for 5 (five) full days* from the first date of their COVID-19 (+) test
- ***COVID-19:** For residents who are severely immunocompromised or who are severely or critically ill
 - Those with symptoms: Remove residents from isolation after 20 full days from when symptoms first appeared **AND** after fever has resolved for 24 hours without the use of fever-reducing medication **AND** when symptoms are improving
 - Those with no symptoms: Isolate for 20 full days from the first date of their COVID-19 (+) test
- If residents who have ended their isolation develop new or worsening symptoms, retest the resident for both COVID-19 and influenza and isolate/cohort depending on the test result. Isolate the resident in single room, if possible, while test results are pending
- **PPE:** at a minimum, staff should wear a surgical mask, gloves and gown when caring for/providing assistance to residents in isolation. Use an N95 for aerosol-generating procedures
- **ANTIVIRAL:** Treatment should be initiated as soon as symptoms develop. *For more details, see [Section VIII: Treatment and Chemoprophylaxis](#) below*

MANAGEMENT OF SYMPTOMATIC RESIDENTS WITHOUT VIRAL DIAGNOSTIC TEST OR WAITING DIAGNOSTIC TEST RESULT

- **Isolate** residents with respiratory symptoms in their room pending test results
- **Restrict** residents from group activities and communal dining until test results are obtained
- Test symptomatic residents for COVID-19 **and** influenza, regardless of vaccination status and regardless of the presence of either pathogen in the facility, in order to inform appropriate treatment and resident placement

- Residents with symptoms of acute respiratory illness who test negative for COVID-19 and influenza should be cared for using transmission-based precautions and isolated based on their suspected clinical diagnosis
- **PPE:** at a minimum staff should wear a surgical mask, gloves and gown
- **ANTIVIRAL:** *For more details on when treatment should be provided to symptomatic residents, see [Section VIII: Treatment and Chemoprophylaxis](#) and Section [X: Outbreak](#) (for chemoprophylaxis during an outbreak) below*

MANAGEMENT OF RESIDENTS WITH NO SYMPTOMS OR WHO ARE NOT POSITIVE FOR ANY RESPIRATORY DISEASE

- Quarantine is **not required** for asymptomatic non-positive residents, regardless of exposure or vaccination status
- Testing is **not required** for asymptomatic residents, regardless of exposure or vaccination status
- Residents with no acute respiratory symptoms can **participate** in group activities and communal dining, regardless of exposure and vaccination status
- **PPE:** no PPE is required by Solano Public Health
- **ANTIVIRAL:** Consider initiation of post-exposure chemoprophylaxis for residents exposed to a positive influenza case. *For more details, see [Section VIII: Treatment and Chemoprophylaxis](#) and Section [X: Outbreak](#) (for chemoprophylaxis during an outbreak) below*

VII. MANAGEMENT OF STAFF

MANAGEMENT OF STAFF WITH CONFIRMED VIRAL DIAGNOSTIC TEST

- **Exclude** staff from work
- **COVID-19 and INFLUENZA:** For staff with symptoms
 - Staff who test positive for COVID-19 or influenza can **return** to work after 5 (five) full days from when symptoms first appeared **AND** after fever has resolved for at least 24 hours without the use of fever-reducing medication **AND** when symptoms are improving
- **COVID-19:** For staff with no symptoms
 - Staff who test positive for COVID-19 can return to work after 5 (five) full days from the first date of their COVID-19 (+) test
- **ANTIVIRAL:** *For more details, see [Section VIII: Treatment and Chemoprophylaxis](#) and Section [X: Outbreak](#) (for chemoprophylaxis during an outbreak) below*

MANAGEMENT OF SYMPTOMATIC STAFF WITHOUT VIRAL DIAGNOSTIC TEST OR WAITING DIAGNOSTIC TEST RESULT

- **Exclude** symptomatic staff from work pending test result

- Test symptomatic staff for COVID-19 and influenza, regardless of vaccination status and regardless of the presence of either pathogen in the facility
- Staff with symptoms of acute respiratory illness who test negative for COVID-19 and influenza should be restricted from work and can return based on the return-to-work policy of the facility or based on the clinical diagnosis of the staff's medical provider
- **ANTIVIRAL:** *For more details on treatment during an outbreak, see Section [X: Outbreak](#) below*

MANAGEMENT OF STAFF WITH NO SYMPTOMS OR WHO ARE NOT POSITIVE FOR ANY RESPIRATORY DISEASE

- Quarantine is **not required** for asymptomatic non-positive staff, regardless of exposure or vaccination status
- Testing is **not required** for asymptomatic staff, regardless of exposure or vaccination status
- **ANTIVIRAL:** *For more details on chemoprophylaxis during an outbreak, see Section [X: Outbreak](#) below*

VIII. ANTIVIRAL TREATMENT AND CHEMOPROPHYLAXIS

Antiviral medications are an important adjunct to vaccines in the control of respiratory illness and can be used to treat or prevent viral respiratory illnesses and their serious complications.

Facilities should consider having standing or pre-approved orders for treatment/chemoprophylaxis from residents' primary care/medical provider to not delay appropriate treatment or post-exposure chemoprophylaxis.

INFLUENZA

ANTIVIRAL TREATMENT FOR RESIDENTS WHO ARE SYMPTOMATIC OR WHO TEST POSITIVE FOR INFLUENZA

- Initiate **antiviral treatment** as soon as possible for residents who test positive for influenza **OR** for those with clinically suspected influenza, regardless of influenza vaccination status
- Treatment should not wait for results of influenza testing. Consider having residents evaluated by their medical providers and/or the facility medical director so that appropriate treatment and dosage can be provided
- Maximum benefit occurs when treatment is started within 48 hours of when symptoms first appeared but may still be effective when given more than 48 hours after symptoms first appeared
- If a resident with influenza does not respond to treatment after 72 hours **OR** they become ill with influenza 72 hours after starting post-exposure chemoprophylaxis, notify Solano Public Health at SolanoEpi@SolanoCounty.com in case testing for **antiviral resistance** is warranted
- For current recommendations on antiviral dosing for treatment, chemoprophylaxis,

contraindications, side effects and adverse events, see:

<https://www.cdc.gov/flu/professionals/antivirals/index.htm>

ANTIVIRAL CHEMOPROPHYLAXIS FOR RESIDENTS WHO ARE EXPOSED TO INFLUENZA

- **Post-exposure antiviral chemoprophylaxis** should be administered as soon as possible to all exposed residents who do not have suspected or confirmed influenza, regardless of influenza vaccination status
- Consider having residents evaluated by their medical providers and/or the facility medical director so that appropriate prophylaxis and dosage can be provided
- If a resident with influenza does not respond to treatment after 72 hours **OR** they become ill with influenza 72 hours after starting chemoprophylaxis, notify Solano Public Health at SolanoEpi@SolanoCounty.com in case testing for **antiviral resistance** is warranted
- *For more details on chemoprophylaxis during an outbreak, see Section [X: Outbreak](#) below*

COVID-19

ANTIVIRAL TREATMENT FOR RESIDENTS WHO TEST POSITIVE FOR COVID-19

- **Antiviral treatments** should be initiated as soon as possible
- Consult the resident's primary care/medical provider so that appropriate treatment and dosage can be provided
- There are several antiviral treatments available for outpatients. For the latest information, check <https://www.cdc.gov/coronavirus/2019-ncov/hcp/clinical-care/outpatient-treatment-overview.html>
- There are also several monoclonal antibodies that have been authorized by the US Food and Drug Administration (FDA) for treatment of COVID-19. For the latest information, check <https://www.covid19treatmentguidelines.nih.gov/therapies/anti-sars-cov-2-antibody-products/anti-sars-cov-2-monoclonal-antibodies/>

ANTIVIRAL CHEMOPROPHYLAXIS FOR RESIDENTS WHO ARE EXPOSED TO COVID-19

There are currently no FDA-authorized or approved post-exposure prophylaxis (PEP) for people who may have been exposed to COVID-19. For more information, check the NIH COVID-19 Treatment Guidelines Panel's Prevention of SARS-CoV-2 Infection at

<https://www.covid19treatmentguidelines.nih.gov/overview/prevention-of-sars-cov-2/>

IX. PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Caring for residents who test positive for respiratory disease: See [Section VI: Management of Residents](#) above
- Caring for residents with respiratory symptoms: See [Section VI: Management of Residents](#) above
- Caring for residents without symptoms or who are not positive for respiratory disease See [Section VI: Management of Residents](#) above

X. OUTBREAK

OUTBREAK DEFINITIONS

Influenza: ≥2 people with ILI/atypical symptoms (see [Appendix A: Terminologies](#) for definition) within 72 hours of each other **AND** at least 1 person with confirmed diagnostic test for influenza

COVID-19: ≥3 people with confirmed diagnostic test for COVID-19 within 7 days that are epi-linked (see [Appendix A: Terminologies](#) for definition) to the facility

Other respiratory disease: a cluster of ≥3 people with acute respiratory symptoms within 5 days that are epi-linked to the facility

Outbreaks due to one respiratory disease (e.g. influenza) can occur separately or concurrently with another respiratory disease (e.g. COVID-19 or RSV, etc.); the presence of a confirmed respiratory disease (e.g. influenza) does not preclude the possibility of an outbreak due to another respiratory disease (e.g. COVID-19 or RSV, etc.)

- COVID-19
 - Report outbreaks due to COVID-19 through SPOT (Shared Portal for Outbreak Tracking) at https://spot.cdph.ca.gov/s/IntakeForm?language=en_US
 - Directions on accessing SPOT can be found at <https://www.solanocounty.com/civicax/filebank/blobdload.aspx?blobid=40426>
- Influenza and other respiratory disease
 - Notify Solano Public Health at SolanoEpi@SolanoCounty.com and provide the following information:
 - Name of facility:
 - Address of facility:
 - Facility contact person name, email address and phone number:
 - Type of facility (SNF, ARF, RCFE, etc.):
 - Total number of residents:
 - Number of residents with symptoms:
 - Number of residents positive:
 - Total number of staff:
 - Number of staff with symptoms:
 - Number of staff positive:
 - Attach a floor plan/map of your facility, if available
- **Discontinue** group activities, unless necessary. Discuss with Solano Public Health any group activity/therapy that needs to continue
- **Close** communal dining; serve meals in resident rooms
- **New admissions are allowed** when facilities are on outbreak unless otherwise restricted by Solano Public Health
- Admit returning residents with no prior illness to unaffected areas

- ALL **visitations are allowed** during an outbreak, unless otherwise restricted by Solano Public Health. Visitors should wear PPE as appropriate for the illness status of the resident they are visiting (See [Section IV: Visitation](#) above for more information)
- Assign staff to work on only one unit, if possible
- **Restrict** staff movement from areas of the facility with outbreaks to areas without symptomatic residents
- Test residents or staff with acute respiratory symptoms for both COVID-19 and influenza, regardless of vaccination status or the cause of the outbreak, in order to inform treatment options and for appropriate resident placement
- Reinforce good hand hygiene (e.g. washing hands or using alcohol-based hand sanitizer) and covering coughs and sneezes
- Conduct daily active surveillance for influenza-like illness (ILI) or atypical symptoms (see [Appendix A: Terminologies](#) below) among residents, staff, and visitors to the facility until at least one week after the last confirmed influenza case occurred
- Consider increasing the frequency of environmental cleaning during an outbreak
- Update linelist with newly symptomatic or newly positive staff or residents
- For management of residents and staff, see [Section VI: Management of Residents](#) and [Section VII: Management of Staff](#)
- **INFLUENZA:** Initiate **antiviral treatment** as soon as possible for all residents with suspected or confirmed influenza. Treatment should not wait for results of influenza testing
- **INFLUENZA:** As soon as an influenza outbreak is determined, initiate post-exposure **antiviral chemoprophylaxis** for all **non-ill** residents, regardless of influenza vaccination status. Residents living in the same room, unit or floor as an ill resident should be prioritized. Post-exposure antiviral chemoprophylaxis of oral oseltamivir (Tamiflu®) and inhaled zanamivir (Relenza®) should continue for a minimum of 2 weeks and continue for at least 7 days after the last known case is identified and isolated, whichever is longer. (So, the shortest time that non-ill residents are on prophylaxis is 14 days. If the facility continues to have suspect cases or cases that test positive for influenza and the 14 days comes before the 7 days after the last known case, prophylaxis should be continued until 7 days after the last identified case was isolated). For duration of oral baloxavir (Xofluza®) post-exposure chemoprophylaxis, click on the CDC link below.
- **INFLUENZA:** Start returning residents with no prior illness on **chemoprophylaxis** as soon as possible; the length of chemoprophylaxis for returning residents should be for the remaining time that the rest of the residents are on chemoprophylaxis
- **INFLUENZA:** If a resident with influenza does not respond to treatment after 72 hours **OR** they become ill with influenza 72 hours after starting chemoprophylaxis, notify Solano Public Health at SolanoEpi@SolanoCounty.com in case testing for antiviral resistance is warranted
- **INFLUENZA:** Consider providing post-exposure antiviral chemoprophylaxis to unvaccinated staff **OR** staff at high risk for complications of influenza due to age or medical condition **OR** to all staff,

regardless of vaccination status, if the outbreak is caused by a strain of influenza virus that is not well matched by the vaccine. Monitoring staff for ILI and initiating early antiviral treatment is an alternative to chemoprophylaxis.

- For additional information on dosing for antiviral chemoprophylaxis, see <https://www.cdc.gov/flu/professionals/antivirals/index.htm> OR <https://www.cdc.gov/flu/professionals/antivirals/summary-clinicians.htm>

XI. OUTBREAK CLEARANCE

- Solano Public Health will clear a facility from outbreak
- Testing is not required for outbreak clearance by Solano Public Health, regardless of respiratory pathogen
- Outbreak clearance depends on what testing is occurring in the facility
 - **COVID-19**
 - If facility is testing ALL symptomatic residents and staff, facility will be cleared from outbreak **8 full days** from the date the last positive case in the facility was isolated; **OR**
 - If facility is not testing all symptomatic staff and residents, facility will be cleared from outbreak **8 full days** from the date the last symptomatic case in the facility was isolated
 - **INFLUENZA**
 - If facility is testing ALL symptomatic residents and staff, facility will be cleared from outbreak **6 full days** from the date the last positive case in the facility was isolated; **OR**
 - If facility is not testing all symptomatic staff and residents, facility will be cleared from outbreak **6 full days** from the date the last symptomatic case in the facility was isolated
 - **OTHER VIRAL RESPIRATORY PATHOGENS**
 - If facility is testing ALL symptomatic residents and staff, facility will be cleared from outbreak **10 full days** from the date the last positive case in the facility was isolated; **OR**
 - If facility is not testing all symptomatic staff and residents, facility will be cleared from outbreak **10 full days** from the date the last symptomatic case in the facility was isolated
- When cleared from outbreak, facilities can re-open common areas, like dining rooms, and resume group activities and unrestricted admission
- If the entire facility is on outbreak and it has areas where residents and most of staff can be kept separate the entire time, then an area can be reopened if it meets the re-opening criteria above; Solano Public Health will assess if an area within a facility can be re-opened

APPENDIX A – TERMINOLOGIES

Atypical symptoms:

- Presence of lower respiratory symptoms (i.e. cough) only **OR** new/worsening malaise, headache, dizziness, nausea, vomiting, diarrhea and loss of smell/taste in adults 85 years old and older **OR** in immunocompromised persons (e.g. persons on high dose steroids, on cancer treatment, have chronic renal disease, recent organ transplant, on renal dialysis, or have been diagnosed by their provider as being immunocompromised); **OR**
- Presence of fever only in people 84 years old and younger with no immunocompromised condition

Critical Illness: Individuals who have respiratory failure, septic shock, and/or multiple organ dysfunction

Diagnostic tests: diagnostic tests available for the detection of viral respiratory pathogens include molecular assays (including rapid molecular assays, reverse transcription polymerase chain reaction (RT-PCR) and other nucleic acid amplification tests) and antigen detection tests (including rapid antigen diagnostic tests and immunofluorescence assays).

Epidemiologic linkage: a person who has had contact/interacted with one of more people with the disease and the contact occurred in the facility

Influenza-like illness (ILI): documented fever ($\geq 100^{\circ}\text{F}$) plus cough and/or sore throat in the absence of a known cause

Outbreak definition:

- Influenza: ≥ 2 people with ILI/atypical symptoms within 72 hours of each other **AND** at least 1 person with confirmed diagnostic test for influenza
- COVID-19: ≥ 3 people with test confirmed diagnostic test for COVID-19 within 10 days that are epi-linked to the facility
- Other respiratory disease: a cluster of ≥ 3 people with acute respiratory symptoms within 5 days that are epi-linked to the facility

Severe Illness: Individuals who have respiratory frequency >30 breaths per minute, $\text{SpO}_2 < 94\%$ on room air at sea level (or, for patients with chronic hypoxemia, a decrease from baseline of $>3\%$), ratio of arterial partial pressure of oxygen to fraction of inspired oxygen ($\text{PaO}_2/\text{FiO}_2$) < 300 mmHg, or lung infiltrates $>50\%$.

Severely immunocompromised: Some conditions, such as being on chemotherapy for cancer, being within one year from receiving hematopoietic stem cell or solid organ transplant, untreated HIV infection with CD4 T lymphocyte count < 200 , combined primary immunodeficiency disorder, and receipt of prednisone $> 20\text{mg/day}$ for more than 14 days may cause higher degree of immunocompromise and require actions such as a lengthening duration of HCP work restrictions or discontinuation of transmission-based precautions using a symptom or time based strategy.

APPENDIX D - TRAININGS OFFERED BY SOLANO PUBLIC HEALTH

1. Proper Use of Personal Protective Equipment (PPE)
2. Infection Prevention and Control 101
3. Environmental Cleaning and Disinfection
4. Norovirus 101
5. MPX 101