



Health & Wellness Reopening Workgroup

June 23, 2020
5:00-6:30 p.m.
Virtual

*Co-Chairs: Michael Rodriguez, DDOE &
Dr. Meghan Walls, Nemours*

Partner: Dr. Mario Ramirez, Opportunity Labs



Delaware
Department of Education



Agenda

- Welcome
- Purpose/Assignment Recap
- Discussion: Complete Scenario
2/Scenario 3
- Next Steps/ Assignment
- Adjournment



Welcome

- ❑ **Co-chair:** Michael Rodriguez,
Associate Secretary of Student Support
- ❑ **Co-chair:** Dr. Meghan Walls,
Pediatric Psychologist, Nemours
- ❑ **Partner:** Dr. Mario Ramirez,
Opportunity Labs



Public Comment

- Public comment is welcomed
- Email: reopeningideas@doe.k12.de.us
- Voicemail: 302-735-4244
- Comments will be posted on DDOE's Reopening page: <https://www.doe.k12.de.us/Page/4211>
- All meeting materials are located at: <https://publicmeetings.delaware.gov/Meeting/66174>



Assignment Recap

- ~~May 29th: Pandemic Background and Scenario 1 distributed to group~~
- ~~June 2nd: Discuss Scenario 1: Minimal Spread~~
- ~~June 9th: Discuss Scenario 2: Minimal to Moderate Spread~~
- ~~June 16th: Carryover/continued discussion Scenario 2 (if needed)~~
- June 23rd: Discuss Scenario 3: Substantial Spread
- June 30th: Recommendations due to Secretary



Workgroup Participation

- Everyone has voice. One person shouldn't dominate the discussion.
- Respect all opinions. Honor multiple perspectives.
- Stay focused on our goal/purpose through the lens of health and wellness.
- Be succinct.
- Compromises may be necessary!



SCENARIO 2: MINIMAL TO MODERATE SPREAD





Busing & Transportation

The risks associated with student transportation in buses have not been studied to date. As a result, these recommendations are derived from school operating procedures and the best “reasonable standard” given feasibility constraints.

- Buses should operate at half of their normal capacity with one student per seat.
- Students should use hand sanitizer just prior to boarding the bus.
- Facial coverings should be worn by all staff and students at all times.
- All windows should be open at all times to facilitate air flow.
- Unloading of buses at school should be staggered to minimize mixing of students as they enter school and to allow six feet of distance while entering through designated entry points.
- Seats and handrails should be wiped down with either an [EPA-approved disinfectant](#) or dilute bleach solution before and after every ride.



Medically Vulnerable Students & Teachers

Understandably, a key concern is whether certain populations of students and teachers may be at increased risk of infection and severe disease by attending school in person. These high risk groups include but are not limited to persons with:

- an advanced age >65,
- hypertension,
- diabetes,
- pulmonary disease including asthma and/or chronic obstructive pulmonary disease,
- and those who are immunosuppressed or on immunosuppressive medication.



Medically Vulnerable Students & Teachers

Unfortunately, there is no validated data on how much risk these individuals incur by attending school in person and individuals will need to make the decision to attend in close consultation with their health care provider. A reasonable protocol may include the following, however:

- Schools should move to broadcast in-classroom teaching via teleconferencing platforms for home learners.
- Districts should abide by applicable labor law to provide self-identified high-risk staff with accommodation.
- If able, high risk teachers may be reassigned to administrative or other roles that minimize interactions with others or allow work from home.
- Parents may elect to keep children with underlying health conditions at home and either pursue education through virtual platforms.
- Ultimate, individual decisions to attend school in person will be left to parents, students, and staff.

SCENARIO 3: SUBSTANTIAL COMMUNITY SPREAD



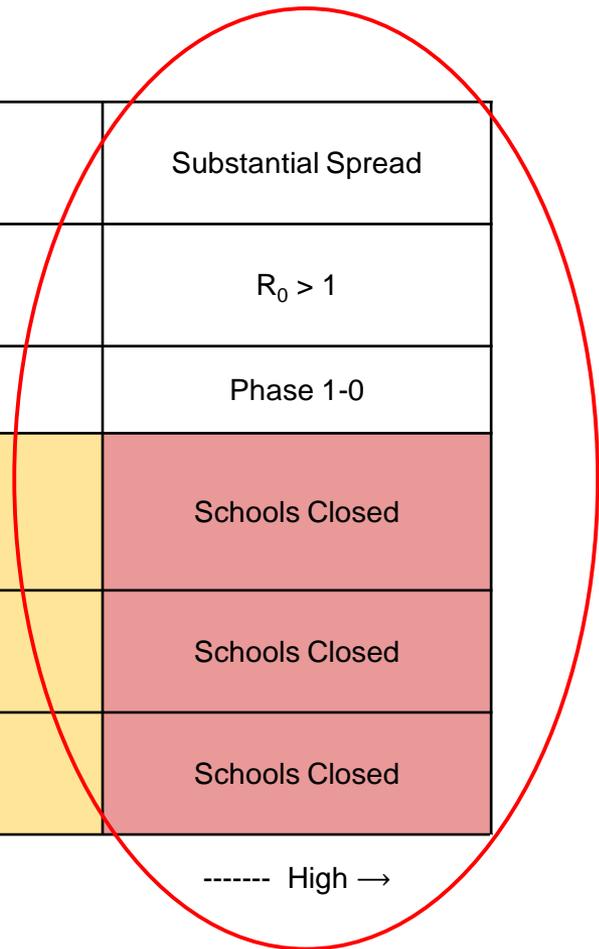


Recap of Pandemic Scenarios

Public Health Framework for Reopening

	No to Minimal Spread	Minimal to Moderate Spread	Substantial Spread
Basic Reproductive Number	$R_0 < 1$	$R_0 \sim 1$	$R_0 > 1$
Delaware Roadmap	Phase 2-3	Phase 1-2	Phase 1-0
Peak and Valley Pandemic Scenario	Schools Open	Situation Dependent	Schools Closed
Fall Peak Pandemic Scenario	Schools Open	Situation Dependent	Schools Closed
Slow Burn Pandemic Scenario	Schools Open	Situation Dependent	Schools Closed

← Low ----- ← Virus Spread → ----- High →





Scenario 3

Virus Status	<ul style="list-style-type: none">● R_0 is significantly greater than 1● A rapidly increasing number of positive tests or increasing percentage of positive COVID-19 tests over a 14-day period● Public health capacity that is likely exceeded including an inadequate number of contact tracing professionals for the local community● Testing capacity that is likely inadequate for needs of the local community
How to Keep School Communities Safe	<ul style="list-style-type: none"><input type="checkbox"/> Delaware leaders have decided to return to Phase 1 or complete shutdown of the state..<input type="checkbox"/> School preparedness and response activities shift from an ongoing surveillance footing to a series of active mitigation measures.<input type="checkbox"/> Schools should be closed for all in-house activities for an extended period of time
School Operating Status	<ul style="list-style-type: none">● Schools are closed



Mental, Physical and Social Emotional Health

Continue While Schools are Closed:

- ❑ Leverage Delaware State Department of Education resources for student and staff mental health and wellness support.
- ❑ Activate direct communication channel for district stakeholders to address mental health concerns resulting from SARS-CoV-2 (this may be a telephone hotline, designated email, etc.).
- ❑ Communicate with parents, via a variety of channels, return to school transition information including:
 - Destigmatization of SARS-CoV-2
 - Understanding normal behavioral response to crises
 - General best practices of talking through trauma with children



Protocols

Spacing and Movement

- Schools are closed.

Screening Students

- Schools are closed.

Dining, Gathering and Extracurricular Activities

- Schools enact off site food programs.
- No on-site activities are allowed.
- All inter-school activities are discontinued.
- After-school activities and child care are closed.



Protocols

Athletics

- All athletics are suspended.

Personal Protective Equipment and Hygiene

- Schools are closed.

Cleaning

- Schools are closed and cleaning practices adjusted to maintain school buildings in clean and well functioning order.

Busing and Student Transportation

- All busing operations are suspended.



Protocols

Medically Vulnerable Students and Teachers

- All teaching should be moved to virtual platforms.
- Schools should enact abbreviated teaching schedules that allow core subject matter to be transmitted on a regular basis. Elective material may be discontinued at school discretion.



Next Steps

Upcoming:

- Final meeting is June 30th 5:00-6:30 p.m.

Questions?

Reminder: Public comment will be accepted via email at reopeningideas@doe.k12.de.us or voicemail at (302) 735-4244.



Thank you!
Stay well.

Scenario 1: Minimal Community Spread

<p>Virus Status</p>	<ul style="list-style-type: none"> ✓ Few, if any, active COVID-19 cases locally. ✓ R_0 significantly less than 1. ✓ This would correspond to late Phase Two to Phase Three of the Reopening Delaware Plan.
<p>How to Keep School Communities Safe</p>	<ul style="list-style-type: none"> ✓ School preparedness activities primarily focused around awareness and updating emergency operations plans. ✓ Close and continuing communication between school and local public health leaders focused on local basic reproductive number and any changes in disease surveillance that would necessitate a change to “minimal to moderate spread” community spread status. ✓ Evaluate whether there are students or staff at risk for severe illness and develop or refine plans for remote work and education if necessary.¹ ✓ Encourage sick students and staff to stay home and consider waiving requirements for doctor’s excuse notes. ✓ Familiarize staff and students with approved personal protective equipment and policies for use in school. ✓ Clean and disinfect work and school areas regularly.
<p>School Operating Status</p>	<ul style="list-style-type: none"> ✓ Open for in-person instruction. and operating normally.

Essential Actions to Take



¹ Defined as having advanced age >65, hypertension, diabetes, pulmonary disease including asthma and/or chronic obstructive pulmonary disease, and those with immunosuppression or on immunosuppressive medications.

Wellness

Mental, Physical and Social Emotional Health

Do Now

- Review and augment, if necessary, the current composition of the crisis response team (name of team may vary) identified under your current School Comprehensive Safety Plan/Emergency Preparedness Plan in the Emergency Reporting Information Portal (ERIP) for current membership and inclusion of, at a minimum, ~~the~~ school nurse, school counselor, and school psychologist that can focus on the student staff mental health and wellness. , such as School Wellness Center staff.
- Confirm appropriate mental health staff ratios and capabilities to address a wide range of issues that include but are not limited to COVID-19 as well as civil unrest.
 - Review mental and emotional staffing for capacity considerations, including Family Crisis Therapists, Behavioral Health Consultants, School Counselors, School Psychologist, School Based Wellness Staff, School Social Workers, etc.
- Assess available resources (personnel, existing partners) to determine if there is a need for external support, and reach out to the existing vendor community to assess the potential for expanded work.
- Evaluate ~~the mental health readiness of staff~~ ~~mental health readiness~~ utilizing questionnaires, surveys, and direct outreach. School and district mental health staff should be involved and integrated into developing the assessment tools that will be used. DDOE with partners to identify potential questionnaires and/or surveys.
- Provide adequate time for ~~teachers-educators~~ to prepare for resumption of school operations.
 - **This is an LEA decision. Feedback was provided requesting DOE review any regulations that may preclude this from occurring such as the number of student/teacher days.**.We could also use language such as.....Assess and consider options for providing educators time before school resumes to effectively plan and prepare. ~~Possible option to provide additional time for educators to be in schools prior to students.~~
 -
- Designate a mental health liaison (school-based), such as the ~~lead school nurse~~, school counselor, school wellness staff, psychologist, social worker,

~~and others or other~~ as determined by the school, who will work with the district, local public health agencies, and community partners.

- ~~— Establish a crisis response team focused on student and staff mental health and wellness. Crisis response teams should include school nurses as well mental health staff such as psychologists and counselors. Provide adequate time for crisis response teams to prepare for resumption of school operations.~~
- ~~□ Confirm appropriate mental health staff ratios and capabilities to address wide range of issues that include but are not limited to COVID-19 as well as civil unrest.~~
- ~~□ Assess natural resources (personnel, existing partners) to determine if there is a need for external support, and reach out to the existing vendor community to assess the potential for expanded work.~~
- ~~□ Evaluate staff mental health readiness utilizing questionnaires, surveys, and direct outreach. Provide adequate time for teachers to prepare for resumption of school operations.~~
- ~~□ Provide resources for staff self-care, including resiliency strategies.~~
- ~~□ Designate a mental health liaison (school-based) who will work with the district, local public health agencies, and community partners.~~

Before School Opens

- ~~□ Liaise with the Delaware ~~State~~ Department of Education to understand and access newly available resources for student and staff mental health and wellness support.
 - ~~□ Participate in currently established processes such as CCN, Chief/Charter Lead Meetings, Chief/Charter and Principal memos, Lead School Nurse, Lead School Counselor etc where information is being shared~~~~
- ~~□ Support schools in the development of a process to gather and report on public health indicators including, students who present with COVID-19 symptoms, students whose ~~parents or guardians~~parents have tested positive for COVID-19, and student absenteeism.~~
 - ~~□ DDOE and DPH to identify potential processes for use. Current processes in place include the addition of coding to eSchoolPlus to track students presenting with COVID-19 symptoms and the ability to track attendance in EdInsight.~~
- ~~□ Develop and staff a direct communication channel for district ~~and charter school~~ stakeholders to address mental health concerns resulting from ~~COVID-19/SARS-CoV-2~~ (this may be a telephone hotline, designated email, etc.).~~
- ~~□ Communicate ~~early and often~~ with ~~parents or guardians~~parents, via a variety of channels, return to school transition information including:~~

- De-stigmatization of SARS-CoV-2²
- Understanding normal behavioral response to crises
- General best practices of talking through trauma with children
- DDOE and DPH and community-based ~~partners~~ partners to provide sample template and resources.
- Develop site-specific communication resources, such as robo-calls, parent/guardian letters, school/district websites, parent/guardian communication apps, to help students and staff understand changes to normal operating procedures.
- Communicate need for daily home health screening.

When Schools are Open and Operating

- Encourage schools to implement a mental health screening for all students.
 - Discuss and determine the relevant mental and emotional health assessment tools and processes with school crisis team/problem solving teams for implementation.
- Establish ongoing reporting protocols for school staff to evaluate physical and mental health status. At this time, the CDC does not recommend temperature screening in areas with no to minimal community spread.
- Schools are also not expected to perform COVID-19 screening at this time. Students or staff who develop a fever at school should don a face mask and be quarantined in a nursing office or similar isolation area (see: Appendix C).
- Maintain mental health supports via on-going wellness assessments of staff and students. School and district mental health staff should be involved and integrated into developing the assessment tools that will be used.
- Encourage schools to normalize feelings through forums and spaces for compassionate listening where students and school staff can share, discuss, and process their common experiences relative to SARS-CoV-2.
- ~~Prevent the spread of infection by utilizing cleaning and personal hygiene best practices, including hand washing best practices.~~
~~Introduce hand washing best practices.~~
- DDOE and DPH to provide resources including available videos, signage.
- Review and amend vaccinations planning.
 - School officials should expect to receive guidance on the timing and availability of teacher and student vaccines from public health officials.

² <https://www.cdc.gov/coronavirus/2019-ncov/daily-life-coping/talking-with-children.html>

- DDOE and DPH to provide any updates or changes to current requirements in 14 DE Admin Code 804 Immunizations
- Update and finalize student and staff health records.
 - Develop alternate staffing and teaching strategies for students and teachers with high risk conditions.
 - School nurses and HR staff to review student and staff records as needed.

Protocols

Spacing and Movement

- Changes to class sizes and spacing unnecessary; can resume normal seating.
- No changes in movement between classes is required.

Screening Students

~~At this time, the CDC recommends temperature screening of students upon entry only if feasible for the situation. Most larger schools will not be able to provide this screening for every student, though smaller schools may be able to do so. If any screening does occur, it should comply with privacy and HIPAA requirements. A feasible protocol would include:~~

- Students are allowed to enter/exit the building using normal procedures.
- ~~Parents or guardians~~Parents should check the student's~~check student's~~ temperature at home every morning using oral, tympanic, or temporal scanners; students with a temperature 100.4 or greater ~~greater than 100.4, without the use of~~ require the use of fever reducing medications (ex: tylenol or ibuprofen). should stay home and consider coronavirus testing if no other explanation is available.
- ~~Parents or guardians~~Parents are ~~required to ask their children or~~ should monitor for symptoms of COVID-19, including any cough, congestion, shortness of breath, or gastrointestinal symptoms every morning. Any positives should prompt the parent to keep the student home from school.
- Students sent home from school should be kept home until they have tested negative or have completely recovered according to CDC guidelines.
- Schools and school nurses should have printed copies of the COVID-19 symptoms and screening tools available for distribution to school staff, parents or guardians~~parents, and students.~~

Testing for Students and Responding to Positive Cases

~~The CDC has specifically stated that schools are not expected to be testing students or staff for SARS-CoV-2. At this time, there are new antigen tests seeking approval by the Food and Drug Administration that would make point of care testing a possibility, but this is not expected to extend to schools or be performed by school nurses. With that consideration, a feasible protocol would include:~~

- Students who develop fever or fall ill at school should be transported by their parents or guardians~~parents~~, or ambulance if clinically unstable, for off site testing. These students should be kept in an area of quarantine such as a nurses office or other area of separation with a surgical mask in place until they can be transported off campus. Students who develop fever or fall ill should not ride home on school buses.
- In the event that a student tests positive, immediate efforts should be made to contact any close contacts (those who spent more than 10 minutes in close proximity to the student) so that they can be quarantined at home. Classmates should be closely monitored for any symptoms. At this time, empiric testing of all students in the class is not recommended, only those that develop symptoms require testing.
- Parents or guardians~~Parents~~ should be notified of the presence of any positive cases in the classroom and/or school to encourage closer observation for any symptoms at home. Parents or guardians~~Parents~~ should check student's temperature at home every morning using oral, tympanic, or temporal scanners; students with a temperature ~~greater than~~100.4 or greater, without the use of fever reducing medications, should stay home and consider coronavirus testing if no other explanation is available.
- Parents or guardians~~Parents~~ are required to ask their children or monitor for any cough, congestion, shortness of breath, or gastrointestinal symptoms every morning. Any positives should prompt the parent to keep the student home from school and seek out testing.
- Students sent home from school should be kept home until they have tested negative or have completely recovered according to CDC guidelines.

Responding to Positive Tests Among Staff and Students

- In the event of a positive test among staff or a student, the classroom or areas exposed should be immediately closed until cleaning and disinfection can be performed.

- If the person was in the school building without a face mask, or large areas of the school were exposed to the person, short term dismissals (2-5 days) may be required to clean and disinfect the larger areas. This decision should be made in concert with [Delaware's Division of Public Health](#)~~the local public health department~~.
- If possible, smaller areas should be closed for 24 hours before cleaning to minimize the risk of any airborne particles.
- Cleaning staff should wear an N95 respirator when performing cleaning of these areas along with gloves and face shield.

Dining, Gathering and Extracurricular Activities

- Students, teachers, and cafeteria staff wash hands or use hand sanitizer before and after every meal.
- Meal activities continue per normal operating procedures.
 - Schools may consider using disposable cutlery or bagged lunch at their discretion.
- Students and teachers wash hands or use hand sanitizer before and after every event.
- Large scale gatherings are allowed per normal operating status.
- Extracurricular activities and gatherings conducted normally.
- After school programs are open and operating normally.

Athletics

- All activities are allowed to continue per normal procedures.
 - Athletic equipment that goes home with students should be cleaned in regular laundry, soap and water, or an EPA-approved disinfectant on a nightly basis.
- Spectator events are allowed per normal procedures.
- Delaware Interscholastic Athletic Association (DIAA), in coordination with DPH and DOE to provide additional guidance as needed.

Personal Protective Equipment and Hygiene

~~Use of physical distancing measures are designed to create layers of redundancy recognizing that students are unlikely to be able to maintain full compliance at all times. They are designed to minimize the risk of transmission as much as possible while still allowing for feasibility, flexibility, and ease of use.~~

- No personal protective equipment is required.

- Regular use of hand sanitizer and hand washing per normal operating status.

Cleaning

~~Coronaviruses on hard surfaces can survive for hours to days. Exposure to sunlight and higher temperatures are expected to diminish their survival but the exact amount of time required remains unclear. At this point, more aggressive cleaning practices are recommended in order to err on the side of caution.~~

- Routine cleaning with standard soap and water removes germs and dirt and lowers the risk of spreading SARS-CoV-2.
- School campuses should undergo normal cleaning on a daily basis.
- Frequently touched surfaces including lights, doors, benches, bathrooms, etc. should undergo cleaning with either an [EPA-approved disinfectant](#) or dilute bleach solution (1/3 cup bleach in 1 gallon of water) at least twice daily.³
- Libraries, computer labs, arts, and other hands-on classrooms should undergo standard cleaning procedures per normal operating status.
- Student desks should be should wiped down with either an [EPA-approved disinfectant](#) or dilute bleach solution at the beginning and end of every day.
- Playground equipment and athletic equipment can be cleaned with either an [EPA-approved disinfectant](#) or dilute bleach solution twice daily.
- Staff should wear gloves, surgical mask, and face shield when performing all cleaning activities.

Busing and Student Transportation

The risks associated with student transportation in buses have not been studied to date. As a result, these recommendations are derived from school operating procedures and the best “reasonable standard” given feasibility constraints.

- School busing operations proceed normally.
- No changes to schedules or seating patterns on the buses are required.
- Bus drivers may choose to wear a face mask at their discretion.

Medically Vulnerable Students and Teachers [including medically vulnerable Students with Disabilities](#)

~~Understandably, a key concern is whether certain populations of students and teachers may be at increased risk of infection and severe disease by attending school in person. These high risk groups include but are not limited to persons with:~~

³ <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>

- ~~an advanced age >65;~~
- ~~hypertension;~~
- ~~diabetes;~~
- ~~pulmonary disease including asthma and/or chronic obstructive pulmonary disease, immunosuppression or on immunosuppressive medication;~~
- ~~an underlying disability~~
- ~~Unfortunately, there is no validated data on how much risk these individuals incur by attending school in person and individuals will need to make the decision to attend in close consultation with their health care provider. A reasonable protocol may include the following, however:~~
 - All students and staff are able to attend school and activities normally.
 - Systematically review all current plans (e.g., Individual Healthcare Plans, Individualized Education Programs, or 504 plans) for accommodating students with special healthcare needs and update their care plans as needed to decrease their risk for exposure to SARS-coV-2.
 - Create a process for students/families and staff to self-identify as high risk for severe illness due to SARS-coV2 and have a plan in place to address requests for alternative learning arrangements or work re-assignments.
 - Enable staff that self-identify as high risk for severe illness to minimize face-to-face contact and to allow them to maintain a distance of six feet from others, modify job responsibilities that limit exposure risk, or to telework if possible.
 - Families and staff are encouraged to have individualized discussions with their health care providers to assess their own health risks and determine whether it is safe to attend school in person.
 - If they choose to do so, staff and students may self identify as having a high risk medical condition to school staff for planning purposes in the event of an outbreak.
 - Students, parents or guardians, and teachers are encouraged to develop and use Individualized Education Programs for students who qualify.
 - Schools should develop robust alternative virtual learning plans that can be implemented with students who are medically vulnerable and should not attend school per physician recommendations.



Scenario 2: Minimal to Moderate Local Community Spread

<p>Virus Status</p>	<ul style="list-style-type: none"> ✓ A R_0 of approximately 1 greater than 1 ✓ <u>Decrease in daily hospitalizations and the percentage of positive tests</u> ✓ A 14-day case trend of tests indicating a significant amount of circulating virus in the community, positive tests or increasing percentage of positive COVID-19 tests over a 14 day period ✓ <u>Corresponds to Delaware Reopening Roadmap Phases 1-2.</u> ✓ Public health capacity that may be exceeded including an inadequate number of contact tracing professionals for the local community ✓ Testing capacity that may be inadequate for the local community
<p>How to Keep School Communities Safe</p>	<ul style="list-style-type: none"> ✓ School preparedness and response activities shift from ongoing surveillance to a series of active mitigation measures. ✓ Schools should be prepared to immediately implement social distancing measures that include: <ul style="list-style-type: none"> ✓ Reducing the frequency of large gatherings, ✓ Altering schedules, ✓ Limiting inter-school interactions, and ✓ Deploying distance learning. ✓ Short-term dismissals of 2-5 days and suspension of extracurricular activities should be expected for cleaning and contact tracing purposes. ✓ Students and teachers at increased risk of severe illness should be prepared to implement distance teaching and learning modalities.
<p>School Operating Status</p>	<ul style="list-style-type: none"> ✓ Situation dependent

Essential Actions and Protocols (These actions should be reviewed as additive and, in some cases, in place of Scenario 1) ~~to Take~~

Health and Wellness

Instruction and
Equity

Operations and
Services~~Reopening~~

Wellness

Mental, Physical and Social Emotional Health

Do Now:

- Prepare crisis response team for action should conditions worsen.
- Current crisis team to be updated and provided information from DPH/DOE/DEMA to make informed decisions related to changes in COVID-19 spread and potential need to make modifications to current structures in place.
- Activate natural-available resources (personnel, existing partners) to support administrator, teacher, school staff and student wellness.
- Continually monitor school community mental health and offer expanded access.
- DOE/DPH/DSAMH and others to communicate any additional resources.
- Review school facilities plans for classroom and other spaces that may need to be altered to allow for appropriate social distancing.

If Schools are Instructed to Close:

- Leverage Delaware-~~State~~ Department of Education for resources for student and staff mental health and wellness support.
- DOE and DPH to update resources as available.
- Activate direct communication channel for district stakeholders to address mental health concerns resulting from SARS-CoV-2 (this may be a telephone hotline, designated email, etc.). Refer to Scenario 1 for district/charter established communication channels
- Communicate with parents or guardians~~parents~~, via a variety of channels, return to school transition information including:
 - De-stigmatization of SARS-CoV-2
 - Understanding normal behavioral response to crises
 - General best practices of talking through trauma with children

When Schools are Open and Operating

- Encourage schools to implement a mental health screening for all students.
 - Refer to Scenario 1- Discuss and determine the relevant mental and emotional health assessment tools and processes with school crisis team/problem solving teams for implementation.
- Establish ongoing reporting protocols for school staff to evaluate physical and mental health status.

- In areas of minimal to moderate spread, CDC recommends “temperature and respiratory symptom screening of students, staff, and visitors if feasible”. It is important to remember that persons can still spread the virus in the absence of any fever or other symptoms (see: Appendix B).
- Emphasis should instead be placed on home symptom monitoring as well as facility access control to limit the number of persons entering the building.
- Facility access control:
 - Single parent drop off of young children
 - Curbside or bus drop off for all older children
- Prevent the spread of infection: there are a variety of potential interventions, but there is not good evidence to yet suggest which measures are more effective than others. These options represent a list of potential actions but they should be implemented based on feasibility and local circumstances:
 - Encourage students and staff to stay away from school when sick.
 - Teach students and staff to use facial coverings and protective equipment appropriately, covering a cough, and using/discarding tissues appropriately.
 - Stress the importance of keeping hands away from the eyes, nose, and mouth.
 - Surfaces should be cleaned between classes and frequently touched surfaces should be cleaned every 2-3 hours if not more frequently.
 - Wearing of facial coverings inside the school building.
 - Schedule hand washing with soap and water [or hand sanitizer](#) every two hours.

Protocols

Spacing and Movement

- Recommended spacing is six feet between desks.
- Arrange all desks facing the same direction toward the front of the classroom.
- Class sizes should be kept to less than 20 students or less (as afforded by necessary spacing requirements and personnel). [The class sizes will be dependent on the facilities plan review.](#)
 - If all students cannot fit in the classroom space available, it is recommended that a staggered school schedule that incorporates alternative dates of attendance or use of virtual teaching be implemented.
- Teachers should try to maintain six feet of spacing between themselves and students as much as possible.
- Classroom windows should be open as much as possible and conditions allow.
- Assemblies of less than 50 students at a time are discouraged but allowed as long as facial coverings [and social distancing of 6 feet](#) remain in use.

- Large scale assemblies of more than 50 students should be discontinued.
- Flow of foot traffic should be directed in only one direction if possible.
 - If one way flow is not possible, hallways can be divided with either side following the same direction.
- Efforts should be made to try and keep six feet of distance between persons in the hallways.
- Facial coverings should be worn at all times in hallways.
- Staggered movements at incremental intervals should be used if feasible to minimize the number of persons in the hallways as able.
- Floor tape or other markers should be used at six foot intervals where line formation is anticipated.

Screening Students

~~At this time, the CDC recommends temperature screening of students upon entry only if feasible for the situation. Most larger schools will not be able to provide this screening for every student, though smaller schools may be able to do so. If any screening does occur, it should comply with privacy and HIPAA requirements. A feasible protocol would include:~~

- Students are allowed to enter the building at only 1-2 sites and must egress from other exits to keep traffic moving in a single direction.
- ~~Parents or guardians~~**Parents** are not allowed in the school building except under extenuating circumstances; adults entering the building should wash or sanitize hands prior to entering.
- Only one parent per child should be allowed to enter to minimize the number of entering persons.
- Strict records, including day and time, should be kept of non-school employees entering and exiting the building.
- ~~Parents or guardians~~**Parents** ~~should~~**are required to** check student's temperature at home every morning using oral, tympanic, or temporal scanners; students with a temperature ~~greater than 100.4 or greater, or require the use~~**without the use of fever reducing medications (ex: tylenol or ibuprofen)** should stay home and consider coronavirus testing if no other explanation is available.
- ~~Parents or guardians~~**Parents** are required to ask their children or monitor for any cough, congestion, shortness of breath, or gastrointestinal symptoms every morning. Any positives should prompt the parent to keep the student home from school.
- If resources allow, home room teachers can perform temperature checks on students once per day; febrile students should be sent to the nurse's office for **assessment and then transport sent home if warranted.**
- Children who fall ill at school should be placed in an area of quarantine in the nurse's office with a surgical mask in place. Nurses should wear N95 masks when caring for these students.

- Students sent home from school should be kept home until they have tested negative or have completely recovered according to CDC guidelines.

Testing Protocols for Students and Responding to Positive Cases.

~~The CDC has specifically stated that schools are not expected to be testing students or staff for SARS-CoV-2. At this time, there are new antigen tests seeking approval by the Food and Drug Administration that would make point of care testing a possibility, but this is not expected to extend to schools or be performed by school nurses. With that consideration, a feasible protocol would include:~~

- Students who develop fever or fall ill at school should be transported by their ~~parents or guardians~~parents, or ambulance if clinically unstable, for off site testing. These students should be kept in an area of quarantineisolation such as a nurse's office or other area of separation with a surgical mask in place until they can be transported off campus. Students who develop fever or fall ill should not ride home on school buses.
- In the event that a student tests positive, immediate efforts should be made to contact any close contacts (those who spent more than 10 minutes in close proximity to the student) so that they can be quarantined at home. Classmates should be closely monitored for any symptoms. At this time, empiric testing of all students in the class is not recommended, only those that develop symptoms require testing.
- ~~Parents or guardians~~Parents should be notified of the presence of any positive cases in the classroom and/or school to encourage closer observation for any symptoms at home. Parents ~~or guardians~~Parents ~~shouldare required to~~ check student's temperature at home every morning using oral, tympanic, or temporal scanners; students with a temperature ~~greater than 100.4~~ or greater, without the use of fever reducing medications should stay home and consider coronavirus testing if no other explanation is available.
- ~~Parents or guardians~~Parents are required to ask their children or monitor for any cough, congestion, shortness of breath, or gastrointestinal symptoms every morning. Any positives should prompt the parent to keep the student home from school and seek out testing.
- Students sent home from school should be kept home until they have tested negative or have completely recovered according to CDC guidelines.

Responding to Positive Tests Among Staff and Students

- In the event of a positive test among staff or a student, the classroom or areas exposed should be immediately closed until cleaning and disinfection can be performed.
 - If the person was in the school building without a face mask, or large areas of the school were exposed to the person, short term dismissals (2-5 days)

may be required to clean and disinfect the larger areas. This decision should be made in concert with the local public health department.

- If possible, smaller areas should be closed for 24 hours before cleaning to minimize the risk of any airborne particles.
- Cleaning staff should wear an N95 respirator when performing cleaning of these areas along with gloves and face shield.

Dining, Gathering, and Extracurricular Activities

- Students, teachers, and cafeteria staff wash hands [or use hand sanitizer](#) before and after every meal.
- If possible, classrooms should be utilized for eating in place.
- Students may bring food from home.
- School supplied meals ([Grab and Go](#)) should be delivered to classrooms with disposable utensils.
- If cafeterias need to be used, meal times must be staggered to create seating arrangements with six feet of distance between students [as able](#).
 - [Grab and Go meals and disposable utensils](#) should be employed.
 - Serving and cafeteria staff should use barrier protection including gloves, face shields, and surgical masks; N95 respirators are not required.
 - [Schools should develop plans for extra custodial staff needs for cleaning in non-traditional dining areas.](#)
 - [Use of microwaves and other shared materials should be discontinued.](#)
- [Assembly sizes should be limited to the sizes consistent with State of Delaware guidelines on crowd sizes and attendees should wear face coverings as able. Activity aAssemblies of up to less than 50 students at a time are discouraged but allowed as long as facial coverings remain in use. Seating capacity in dining areas may exceed 50 persons as long as six feet of spacing between persons can be afforded.](#)
- [Parents, grandparents, and guardiansParents or guardiansParents and grandparents sparents](#) are not allowed to attend these assemblies, schools will offer telecasting of events if able.
- Students and teachers wash hands [or use hand sanitizer](#) before and after every event.
- Large scale assemblies of more than 50 students should be discontinued, [except as indicated for dining areas](#).
- Off-site field trips discontinued.
- Inter-school activities may continue provided that bus transportation is provided and students wear facial coverings throughout the transport period.
- Schools may elect to discontinue these activities if Ro and community transmission rise consistently.
- After school programs may continue with the use of facial coverings
 - Schools may elect to discontinue these activities if Ro and community transmission rise consistently.

Athletics

- Students, teachers, and staff wash hands [or use hand sanitizer](#) before and after every practice, event, or other gathering. Every participant should confirm that they are healthy and without any symptoms prior to any event.
- All equipment should be disinfected before and after use.
- [Schools should continue to refine allowances for athletic activities in line with scientific data and in coordination with the Delaware Interscholastic Athletic Association \(DIAA\), DPH, and DOE.](#)
- ~~Sports that can be modified to allow physical distancing are allowed to continue. This may include activities such as golf, track and field, and other sports that do not require close and continuing contacts. Off site, inter-school competitions may be held provided that school busing is provided and facial coverings are worn during transportation.~~
- Spectators are allowed provided that face facial coverings are used by observers at all times.
 - Schools may elect to discontinue these activities if ~~Re and~~ community transmission rise consistently.
- Weight room and physical conditioning activities should be discontinued commensurate with the Reopening Delaware Plan.
- ~~Sports that do not allow adequate distancing such as football, wrestling, basketball, etc. should be discontinued.~~
- Handshakes, fist bumps, and other unnecessary contact should ~~be~~ [not be permitted minimized](#).
- Locker rooms and group changing areas should be closed.
- Any uniforms or other clothing that need to be washed/laundered at school can be washed in warm water with regular detergent. These should be single use without sharing of ice towels or other materials.
- Each participant should use a clearly marked water bottle for individual use. There should be no sharing of this equipment.
- Large scale spectator or stadium events are not allowed.

Personal Protective Equipment [and Hygiene](#)

~~Use of physical distancing measures are designed to create layers of redundancy recognizing that students are unlikely to be able to maintain full compliance at all times. They are designed to minimize the risk of transmission as much as possible while still allowing for feasibility, flexibility, and ease of use.~~

- All staff and students should wear facing coverings at all times except for meals; facial coverings may be homemade or disposable level one (basic) grade surgical masks; N95 respirators are not necessary. [Districts and schools to use the current DPH face covering guidance and also determine how best to respond to non-compliance.](#)

- Students should wash their hands or use hand sanitizer after changing any classroom; teachers in the classroom should wash their hands or use sanitizer every time a new group of students enters their room.
- Students and teachers should have scheduled hand washing with soap and water [or hand sanitizer](#) every 2-3 hours.
- Privacy or barrier screens should be placed on all desks in classrooms; alternatively, clear face shields may be substituted.
- Gloves are not required except for custodial staff or teachers cleaning their classrooms.
- Gowns, hair coverings, and shoe covers are not required.

Cleaning

~~Coronaviruses on hard surfaces can survive for hours to days. Exposure to sunlight and higher temperatures are expected to diminish their survival but the exact amount of time required remains unclear. At this point, more aggressive cleaning practices are recommended in order to err on the side of caution.~~

- School campuses should undergo cleaning on an increased tempo-. [This is recommended at every 2-3 hours.](#)
- Frequently touched surfaces including lights, doors, benches, bathrooms, etc. should undergo cleaning with either an [EPA-approved disinfectant](#) or dilute bleach solution should now be cleaned every two hours.
- Libraries, computer labs, arts, and other hands on classrooms should undergo cleaning with either an [EPA-approved disinfectant](#) or dilute bleach solution [and](#) should now be cleaned after every class period. Efforts should be made to minimize sharing of materials between students as able.
- Student desks should be wiped down with either an [EPA-approved disinfectant](#) or dilute bleach solution after every class period. [This should not be done by students.](#)
- Playground equipment and athletic equipment can be cleaned with either an [EPA-approved disinfectant](#) or dilute bleach solution twice daily.
- Staff should wear gloves, surgical mask, and face shield when performing all cleaning activities.

Busing and Student Transportation

- ~~Clean and disinfect~~ transportation vehicles regularly. Children must not be present [in the vehicle when a vehicle it is](#) being cleaned. Consult with bus contractors on cleaning products.
- Ensure [safe and correct use](#) and storage of cleaning and disinfection products, including storing products securely away from children and adequate ventilation when staff use such products.
- ~~Bus drivers and bus aides should wear a facial covering.~~
-

- Build and implement a communications plan to inform parents/guardians of best social distancing practices at bus stops.
- Where possible, identify at least one adult to accompany the driver to assist with ~~to~~ monitoring of ~~monitor~~ children during transport and help with public health protocols.
- Clean and disinfect frequently touched surfaces in the vehicle (e.g., surfaces in the driver's cockpit, hard seats, arm rests, door handles, seat belt buckles, light and air controls, doors and windows, and grab handles) prior to morning routes and prior to afternoon routes.
- Keep doors and windows open when cleaning the vehicle and between trips to let the vehicles thoroughly air out.
- Clean, sanitize, and disinfect equipment including items such as car seats and seat belts, wheelchairs, walkers, and adaptive equipment being transported to schools.
- Create a plan for getting students home safely if they are not allowed to board the vehicle because of illness.
- Follow public health guidance if a student becomes sick during the day, they must not use group transportation to return home and must follow protocols outlined above.
- If a driver becomes sick during the day, they must follow protocols for sick staff above and must not return to drive students.
- Encourage the use of hand sanitizer before entering the bus. Where possible, hand sanitizer should be supplied on the bus.
- Where possible, allow for six feet of social distancing between students, and between students and the driver, while seated on vehicles if feasible (e.g., by utilizing larger vehicles with more seats, by increasing frequency of routes to reduce occupancy, one rider per seat in every other row)
- Consider keeping windows open while the vehicle is in motion to help reduce spread of the virus by increasing air circulation, if appropriate and safe.
- Establish protocols for parent/guardian pick-up and drop-off to account for potential increase of vehicles on school grounds due to additional parent/guardian pick-ups and drop-offs. additional vehicles on school grounds.

Medically Vulnerable Students and Teachers

Understandably, a key concern is whether certain populations of students and teachers may be at increased risk of infection and severe disease by attending school in person. These high risk groups include but are not limited to persons with:

- an advanced age >65,
- hypertension,
- diabetes,

- pulmonary disease including asthma and/or chronic obstructive pulmonary disease,
- immunosuppression or on immunosuppressive medication,
- an underlying disability,
- Unfortunately, there is no validated data on how much risk these individuals incur by attending school in person and individuals will need to make the decision to attend in close consultation with their health care provider. A reasonable protocol may include the following, however:
 - Schools should move to broadcast in-classroom teaching via teleconferencing platforms for home learners.
 - Districts should abide by applicable labor law to provide self-identified high-risk staff with accommodation.
 - If able, high risk teachers may be reassigned to administrative or other roles that minimize interactions with others or allow work from home.
 - Parents or guardians may elect to keep children with underlying health conditions at home and either pursue education through virtual platforms.
 - Ultimately, individual decisions to attend school in person will be left to parents or guardians, students, and staff.

Planning a Safe, Efficient, and Equitable Return to School in Delaware

Opportunity Labs Foundation, Inc.

INTRODUCTION

This report provides a roadmap for Delaware public schools to navigate the COVID-19 pandemic. It outlines necessary steps to understand the public health scenarios associated with the pandemic and provides frameworks, approaches, and measurable milestones to inform the continuum of decisions that must be made to safely operate schools in fall 2020.

Ask any teacher, school principal, or district superintendent, returning to school under normal circumstances is hard. Doing so in the face of COVID-19, a public health epidemic with extreme uncertainty will be monumentally difficult. But the stakes could not be higher: an entire generation of students' academic, social-emotional, and mental health hangs in the balance.

Delaware public schools provide 138,000 children with hope and prepares them for productive work and fulfilling lives. Delaware public schools are a central source of community, a place to come together, to assemble openly, and to elect our public officials.

COVID-19 has fundamentally destabilized Delaware public schools' ability to meet these critical functions. Returning to school when the public health situation allows will thus be a uniquely complicated challenge, the likes of which our educators have never encountered. If there exists any chance of returning to brick-and-mortar schooling in the fall of 2020, the work must begin now.

Given the uncertainties of the pandemic, four steps should inform this work:

1. An epidemiologic assessment, consideration, and projection of how the coronavirus pandemic may unfold over the next 18-24 months.
2. An evaluation of how each pandemic scenario may manifest in the state of Delaware.
3. An application of community manifestation with school opening scenarios.
4. Essential actions that must be taken across functional workflows within each school opening scenario.

This roadmap is a framework based on the most up-to-date public health recommendations given the evidence to date. It does not, however, constitute medical advice, and will need to be adapted in real-time as the epidemic evolves.

Guiding Principles

Five principles should guide all planning, decision-making, and execution of return to school work at the Delaware State Department of Education:

1. We will be transparent. We will share what we know and what we don't know. We will be clear about what we can control and what is outside of our control.
2. We will be equitable. We will center decisions on what is best for all students, families, and educators, especially those most impacted by educational inequities and COVID-19.
3. We will listen. We will bring together diverse stakeholders and experts to a) understand the realities on the ground and b) surface creative solutions.
4. We will put safety first. We will leverage science, data, and public health leadership to inform the choices we make.
5. We will be decisive. Given the size and scope of the challenge, we must move deliberately and make tough choices. We will make mistakes, and we will adapt quickly as variables on the ground change.

UNDERSTANDING KEY TERMS

The following terms frequently occur throughout this report. To assess, consider, and understand the coronavirus scenarios, establishing a shared vocabulary is critical.

- **Basic Reproductive Number:** abbreviated “ R_0 ”, and pronounced “R naught”, refers to the number of new infections resulting from a single infected person. This term is also used interchangeably with the term “viral transmissibility.”
 - When R_0 is greater than 1, each infected person is spreading the virus to more than one other person, and the virus is increasing in the population.
 - When R_0 is equal to 1, each case spreads the virus to one other person, and the number of cases in a population stays constant over a period of time.
 - When R_0 is less than 1, each infected person transmits the virus to less than one other person, and over time, case counts will decrease in the population.
- **Coronavirus:** a specific type of virus named for the appearance of crown-like spikes on their surface. There are seven known types of coronaviruses that can infect human beings regularly. A “novel” coronavirus is a new subtype of coronavirus to which human beings have not been previously exposed, and are thus more susceptible to infection. SARS-CoV-2 is a novel coronavirus.
- **COVID-19:** abbreviation of “Coronavirus Disease-2019”. The name for the actual disease state caused by the coronavirus. COVID-19 and SARS-CoV-2 are often used interchangeably, though this is inaccurate. The term “COVID-19” should be used to discuss the disease, while SARS-CoV-2 should designate the virus itself.
- **Epidemic:** an outbreak of disease that spreads quickly and affects many individuals at the same time.
- **Herd immunity:** resistance to the spread of a contagious disease within a population that results when a sufficient number of persons are immune either through prior infection and recovery or through vaccination. Herd immunity does not begin to develop until at least 60-70% of the population has been infected and recovered.
- **Incubation period:** the duration of time it takes for an infected person to begin to physically manifest symptoms that can be outwardly observed.

- **Influenza virus:** another specific type of virus from a different family than coronaviruses. There are four types of influenza, of which only three typically cause infection in humans on a seasonal basis.
- **Pandemic:** a specific type of epidemic —the outbreak of widespread disease— that spreads over greater geographic distances and affects an exceptionally high proportion of the population. Pandemics are relatively rare events, and not every epidemic qualifies as a pandemic. The World Health Organization declared the SARS-CoV-2 outbreak as a pandemic in March 2020.
- **Severe Acute Respiratory Syndrome-Coronavirus-2:** abbreviated as SARS-CoV-2, the scientific name of the coronavirus causing the pandemic.

UNDERSTANDING PANDEMIC MODELING: CORONAVIRUS AND INFLUENZA

Epidemiologists typically rely on prior disease outbreaks for guidance when modeling new virus behavior. For example, annual influenza modeling relies on historical influenza virus behavior. But the COVID-19 pandemic has proven somewhat atypical from a modeling perspective for several reasons.

First, coronaviruses as a family have not been known to cause pandemics like this one. Recent coronavirus outbreaks, including severe acute respiratory syndrome (SARS) and Middle East respiratory syndrome (MERS), did not have the geographic reach of SARS-CoV-2. Instead, they manifested in more limited geographic areas. Second, each was less infectious than SARS-CoV-2, and transmission from person-to-person was lower than that of SARS-CoV-2. Finally, both SARS and MERS were each much more lethal than SARS-CoV-2 (approximately 14% and 35% of the individuals who contracted the respective viruses died¹), which made the termination of transmission chains easier to achieve.

Broadly speaking, although they are from different families of viruses, SARS-CoV-2 is displaying behavior more similar to a novel influenza than to a coronavirus because of its higher transmissibility, wider geographic spread, and lower comparative mortality relative to other lethal coronaviruses.² Therefore, influenza outbreaks offer better historical and comparative models for assessing this outbreak.

Since 1700, there have been at least eight global influenza pandemics that can inform COVID-19 scenario planning.

Coronavirus and Influenza Similarities and Differences

¹ <https://www.who.int/emergencies/en/>

² https://www.cidrap.umn.edu/sites/default/files/public/downloads/cidrap-covid19-viewpoint-part1_0.pdf

Similarities	Differences
<p>Both novel influenza and SARS-CoV-2 are highly contagious and capable of infecting large groups of people because nearly everyone in the global population is susceptible to the virus, and there is an absence of herd immunity.</p>	<p>SARS-CoV-2 has a longer incubation period than influenza (between 2-14 days³), and the percentage of persons with asymptomatic infections is greater with COVID-19 (up to 25% compared to approximately 16% in influenza^{4,5}). Furthermore, studies show that rates and quantities of viral shedding with SARS-CoV-2 may actually peak before symptoms manifest themselves which allows infected individuals to spread the disease with greater efficiency than those infected with influenza.^{6,7}</p>
<p>Both are also spread by respiratory droplets and share the ability to spread between people without showing symptoms during the incubation period.¹</p>	<p>Higher R_0 for SARS-CoV-2. For comparison, the R_0 with prior pandemic influenza outbreaks has been around 2, meaning that each person infected passes it to two other persons.¹ For SARS-CoV-2, the R_0 has fluctuated between 1 during periods of extreme social distancing up to 5.7 or higher without mitigation measures in place.</p>

Seasonality and Duration

From a seasonal perspective, and again comparing SARS-CoV-2 to pandemic influenza, it is worth noting that, “of eight major [influenza] pandemics that have occurred since the early 1700s, no clear seasonal pattern has emerged for most. Two started in winter in the Northern Hemisphere, three in the spring, one in the summer, and two in the fall.”²

Of those eight pandemics, seven had a smaller early peak that dissipated over a few months, followed by a subsequent peak approximately six months later. Among those subsequent peaks, some were smaller, and some were significantly larger and quite devastating. In some, the mortality rates increased with time such that the disease became more dangerous during the second waves. Finally, some of the pandemics included third and even fourth waves though these have all been smaller and shorter duration than first and second wave events.

³ <https://annals.org/aim/fullarticle/2762808/incubation-period-coronavirus-disease-2019-covid-19-from-publicly-reported>

⁴ <https://www.livescience.com/coronavirus-asymptomatic-spread.html>

⁵ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4586318/>

⁶ <https://www.nature.com/articles/s41591-020-0869-5>

⁷ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4725380/>

Eventually, these pandemics subsided when enough of the population had been infected, developed immunity, and were no longer susceptible; or, the viruses themselves mutated and were either no longer infectious or their mortality decreased. The critical point, however, is that second, third, and fourth waves have a confirmed historical precedent and are not an aberration. **It is highly likely that this virus will return with a peak that is difficult to predict.**

Vaccination

Interestingly, of the eight pandemic events referenced above, only one was significantly affected by a vaccination campaign (the 2009 H1N1 influenza). In that instance, a vaccine became available approximately six months after the pandemic initially began in Veracruz, Mexico, and a full-scale, global pandemic was averted. The other seven pandemics all propagated at a global scale before a vaccine could be effectively produced.

For SARS-CoV-2, there are approximately 120 vaccine candidates in development. Some have advanced farther than others, but all remain in relatively early clinical trials. Some experts have estimated that if new techniques currently being experimented with succeed, that a vaccine could be available in late 2020. Most, however, agree that a 12-18 month timeline to mid-2021 is most likely.

Effects of Pediatric Populations on Disease Spread

Historically, pandemic influenza outbreaks have most severely affected populations at the extremes of age, with the youngest and oldest members of society typically experiencing the highest mortality rates. The 1918-1919 influenza was an outlier in that regard and affected middle-aged persons in higher percentages than typically observed.

With SARS-CoV-2, there still remains much to learn about how pediatric, school-age populations are affected. Data from the U.S. Centers for Disease Control and Prevention⁸, China⁹, the Netherlands¹⁰, and Italy¹¹ all suggest that serious COVID-19 illness in children is rare. However, there are increasing reports of a pediatric multisystem inflammatory syndrome that may be linked to SARS-CoV-2.¹² Whether children can spread the disease to others without showing symptoms remains unclear. Some studies have shown that children who are infected

⁸ <https://emilyoster.substack.com/p/various-updates-and-assessing-risk>

⁹ <https://emilyoster.substack.com/p/viral-research-updates-and-homeschooling>

¹⁰ <https://www.rivm.nl/en/novel-coronavirus-covid-19/children-and-covid-19>

¹¹ <https://jamanetwork.com/journals/jama/fullarticle/2763401>

¹² <https://www.nytimes.com/2020/05/05/nyregion/kawasaki-disease-coronavirus.html>

clearly have circulating levels of virus in their bloodstreams similar to adults.¹³ But, because the frequency of infected children seems to be so low, it has been difficult to definitively determine whether or not they can spread the virus to others. Studies from Iceland¹⁴, Italy¹⁵, and the Netherlands¹⁶ have all shown extremely low rates of pediatric infection. And early data from France¹⁷, Australia¹⁸, and the Netherlands¹⁹ that followed school children and families, found no instances where the child spread the disease to staff or teachers, and very low rates of transmission from child to more senior members of the family. These have all been relatively small studies in Europe, however, and data from the United States is still being developed.

Ultimately, it remains unclear to this point at what rate children develop serious illness secondary to SARS-CoV-2 infection and whether or not they can pass the virus to other children and adults. Most studies suggest each of these rates is extremely low, but the data are imperfect, and this is an area of active research.

Implications

Based on the transmissibility, seasonality, duration, and vaccination timing, expert models conclude that it is most likely that the COVID-19 pandemic will last 18-24 months.² During that period, and assuming the high levels of transmissibility already observed, it is estimated that 60-70% of the population would need to be infected, recover, and develop immunity, “to reach a critical threshold of herd immunity to halt the pandemic.”² Current estimates are that even in highly affected areas such as Wuhan, China, and New York City, United States, the total percentage of the population infected is between 3-10%. There is clearly significant potential for this virus to continue propagating.

There are, however, several factors that would affect those estimates. First, a successful vaccine could be developed in the near term, though, as noted above, that is unlikely based on historical precedent. Second, a successful treatment could be developed such that the “cost” of getting infected decreases, and overall mortality rates improve. Third, the virus mutates such that it is no longer as infectious or as dangerous. Historical rates of coronavirus mutation are much lower than influenza, however, and this outcome appears relatively unlikely in the near term. Or

¹³ https://zoonosen.charite.de/fileadmin/user_upload/microsites/m_cc05/virologie-ccm/dateien_upload/Weitere_Dateien/analysis-of-SARS-CoV-2-viral-load-by-patient-age.pdf

¹⁴ <https://www.nejm.org/doi/full/10.1056/NEJMoa2006100>

¹⁵ <https://www.medrxiv.org/content/10.1101/2020.04.17.20053157v1>

¹⁶ <https://www.rivm.nl/en/novel-coronavirus-covid-19/children-and-covid-19>

¹⁷ <https://academic.oup.com/cid/advance-article/doi/10.1093/cid/ciaa424/5819060>

¹⁸ [http://ncirs.org.au/sites/default/files/2020-](http://ncirs.org.au/sites/default/files/2020-04/NCIRS%20NSW%20Schools%20COVID_Summary_FINAL%20public_26%20April%202020.pdf)

¹⁹ [04/NCIRS%20NSW%20Schools%20COVID_Summary_FINAL%20public_26%20April%202020.pdf](http://ncirs.org.au/sites/default/files/2020-04/NCIRS%20NSW%20Schools%20COVID_Summary_FINAL%20public_26%20April%202020.pdf)

¹⁹ <https://www.rivm.nl/en/novel-coronavirus-covid-19/children-and-covid-19>

fourth, we institute and continue mitigation measures to help decrease the basic reproductive number and drive down transmission (e.g., social distancing).

Mitigation

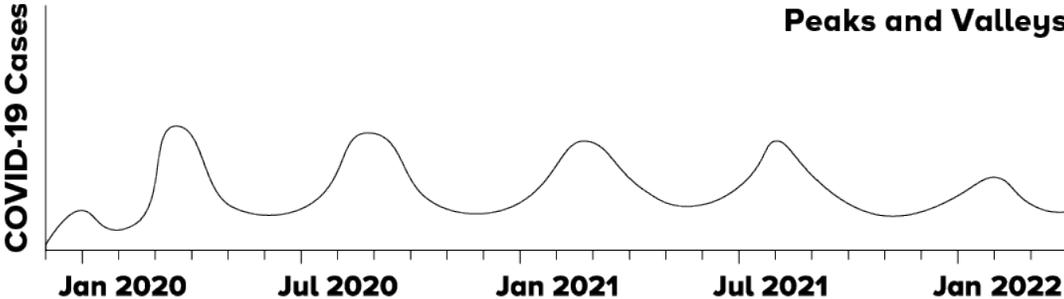
The most effective method to decrease transmission rates in the absence of a vaccine or treatment is to prevent contact between persons for a period of time that includes a full incubation and recovery cycle (between 14-28 days for this virus). When this happens, transmission chains between persons can be broken, and the R_0 for the virus within a specific population can be driven downwards. If R_0 can be suppressed to less than 1, then each person is effectively transmitting the virus to less than one person, and the outbreak will die out on its own with sufficient time.

Such has been the national strategy for SARS-CoV-2 for the past several months. By effectively closing all sites of congregation, including schools, worksites, restaurants, places of worship, and social gatherings, an effort was made to decrease R_0 . Difficulties with coronavirus testing at scale, however, have made it difficult to accurately measure this figure on a national scale, and government leaders and emergency response officials have had to rely on imperfect data including the number of persons hospitalized, and intensive care unit utilization as a proxy for this number.

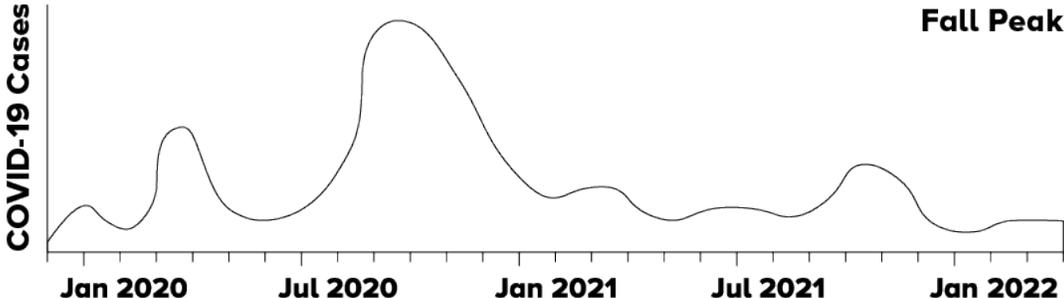
CORONAVIRUS PANDEMIC SCENARIOS

Based on the evidence detailed above, three possible pandemic scenarios could play out over the next 18-24 months, and should be considered.²

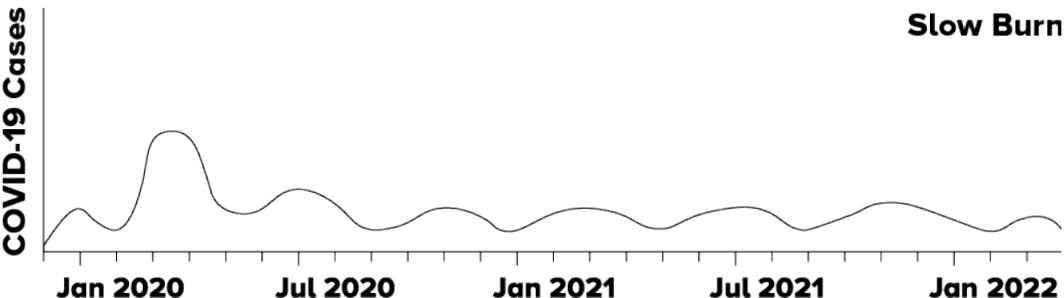
- **Peaks and Valleys:** The first wave of COVID-19 occurring in spring 2020 is a representative wave with several follow-on outbreaks of similar scale and duration.



- **Fall Peak:** The first spring 2020 wave of COVID-19 is a smaller wave with the second, more severe wave in fall 2020 following afterward.



- **Slow Burn:** The first wave in spring 2020 is the most severe wave, but the outbreak continues on a slow burn in the population at a low or moderate level.



Each of these scenarios includes waves that will vary by geographic location and require periodic mitigation measures when subsequent peaks develop. The duration of the peaks, or how long a

local outbreak lasts, will depend on the number of persons affected and how quickly the R_0 can be reduced to 1 or less in the population. Reducing the R_0 can only be achieved through early case identification, isolation of affected individuals, and isolation of affected contacts to prevent further spread.

Community Spread and School Operating Status

Within each of the pandemic scenarios above, the virus will manifest in local communities in one of three ways at any given point in time:

- **None to minimal:** defined as very few, if any, active COVID-19 cases locally, with a R_0 significantly less than 1. This corresponds to Phase 2-3 in the Reopening Delaware Plan.
- **Minimal to moderate:** R_0 is close to or equal to 1 with a significant amount of circulating disease in the given geographic area. This level of community spread corresponds to Phase 1-2 in the Reopening Delaware Plan.
- **Substantial:** expected when case counts in Delaware have increased or accelerated rapidly, R_0 is significantly greater than 1, and state leaders have decided to return Phase 0-1 in the Reopening Delaware Plan.

The level of community spread and the basic reproductive number are the core public health inputs that should inform Delaware State Department of Education decision making relative to school reopening.

To determine the level of community spread, Department of Education leaders should plan to have weekly discussions with local public health officials and city leaders to determine whether the R_0 is less than, equal to, or greater than 1, any trends under observation and whether there are plans to change the city's reopening phase status. In return, city leaders must plan to clearly communicate the level of community spread as well as the factors used to make that determination on a weekly basis.

To be clear, local health departments and city leaders can not focus only on the number of cases and the basic reproductive number, but should also consider characteristics across four factors to fully determine community risk. These factors include:

- **Disease epidemiology:** level of community transmission, number and type of outbreaks, impact of the outbreaks on delivery of healthcare or other critical infrastructure or services, and epidemiology in surrounding jurisdictions

- **Community characteristics:** size of community and population density, level of community engagement/support, size and characteristics of vulnerable populations, access to healthcare, transportation, planned large events, and relationship of community to other communities
- **Local healthcare capacity:** healthcare workforce, number of healthcare facilities, testing capacity, hospital intensive care unit capacity, and availability of personal protective equipment
- **Public health capacity:** public health workforce and availability of resources to implement strategies, and available support from other state/local government agencies and partner organizations

Delaware CONSIDERATIONS

School Workforce Demographics

According to various bodies of medical research, those over age 65 are disproportionately vulnerable to COVID-19. According to the most recent available data from the National Center for Education Statistics (NCES) in the 2017-2018 National Teacher and Principal Survey, 18% of all teachers and 27% of all principals were over the age of 65. Additional school personnel including school counselors, janitorial staff, and operational staff should be considered as there are important implications for return to school planning including health and safety and staffing shortages.

Student Populations

The effects of COVID-19 on the health of racial and ethnic minority groups and vulnerable populations is still emerging; however, current data suggest a disproportionate burden of illness and death among racial and ethnic minority groups. Evidence also indicates that access to technology—devices and high speed internet—are correlated to race and socioeconomic status which is likely to manifest in learning loss amongst vulnerable populations. Thus, it is critical to focus on Delaware's:

- 23,554 (16.7%) students with disabilities
- 41,306 (29.3%) students of low socioeconomic status
- 13,834 (9.8%) students who are english language learners
- 3,484 (2.5%) students who experienced homelessness (note: 2018 data)

Delaware SCHOOL OPENING SCENARIOS

Given the coronavirus pandemic scenarios and the manifestation of community spread, there are five possibilities for school opening in fall 2020:

1. Schools open on time and remain open.

2. Schools open on time and are eventually forced to close statewide.
3. Schools open on time, and there are subsequent community-based closures.
4. Schools do not open on time but can open later in the academic year.
5. Schools are unable to open on time and forced to remain closed for the academic year.

The following matrix can be instructive when making community-based decisions regarding the status of schools. Public health authorities should be consulted in all scenarios to analyze the most current relevant information:

Public Health Framework for Reopening

	No to Minimal Spread	Minimal to Moderate Spread	Substantial Spread
Basic Reproductive Number	$R_0 < 1$	$R_0 \approx 1$	$R_0 > 1$
Delaware Roadmap	Phase 2-3	Phase 1-2	Phase 1-0
Peak and Valley Pandemic Scenario	Schools Open	Situation Dependent	Schools Closed
Fall Peak Pandemic Scenario	Schools Open	Situation Dependent	Schools Closed
Slow Burn Pandemic Scenario	Schools Open	Situation Dependent	Schools Closed

□ Low ----- □ Virus Spread □ ----- High □

From an epidemiological standpoint, schools will be able to open if R_0 is less than 1 and remain open if transmission remains low. If Delaware experiences community spread of the virus on a widespread basis such that R_0 is much greater than 1, then schools will likely be required to close to help break transmission chains. And if R_0 remains close to 1, or spread is localized to very discrete areas, then closures become school and situation dependent.

Scenario 1: Minimal Community Spread

<p>Virus Status</p>	<ul style="list-style-type: none"> ✓ Few, if any, active COVID-19 cases locally. ✓ R_0 significantly less than 1. ✓ This would correspond to late Phase Two to Phase Three of the Reopening Delaware Plan.
<p>How to Keep School Communities Safe</p>	<ul style="list-style-type: none"> ✓ School preparedness activities primarily focused around awareness and updating emergency operations plans. ✓ Close and continuing communication between school and local public health leaders focused on local basic reproductive number and any changes in disease surveillance that would necessitate a change to “minimal to moderate spread” community spread status. ✓ Evaluate whether there are students or staff at risk for severe illness and develop or refine plans for remote work and education if necessary.²⁰ ✓ Encourage sick students and staff to stay home and consider waiving requirements for doctor’s excuse notes. ✓ Familiarize staff and students with approved personal protective equipment and policies for use in school. ✓ Clean and disinfect work and school areas regularly.
<p>School Operating Status</p>	<ul style="list-style-type: none"> ✓ Open and operating normally.

Essential Actions to Take



²⁰ Defined as having advanced age >65, hypertension, diabetes, pulmonary disease including asthma and/or chronic obstructive pulmonary disease, and those with immunosuppression or on immunosuppressive medications.

Wellness

Mental, Physical and Social Emotional Health

Do Now

- Establish a crisis response team focused on student and staff mental health and wellness.
- Assess natural resources (personnel, existing partners) to determine if there is a need for external support, and reach out to the existing vendor community to assess the potential for expanded work. Evaluate staff mental health readiness utilizing questionnaires, surveys, and direct outreach.
- Provide resources for staff self-care, including [resiliency strategies](#).
- Designate a mental health liaison (school-based) who will work with the district, local public health agencies, and community partners.

Before School Opens

- Liaise with the Delaware State Department of Education to understand and access newly available resources for student and staff mental health and wellness support.
- Support schools in the development of a process to gather and report on public health indicators including, students who present with COVID-19 symptoms, students whose parents have tested positive for COVID-19, and student absenteeism.
- Develop and staff a direct communication channel for district stakeholders to address mental health concerns resulting from SARS-CoV-2 (this may be a telephone hotline, designated email, etc.).
- Communicate with parents, via a variety of channels, return to school transition information including:
 - [De-stigmatization of SARS-CoV-2](#)²¹
 - Understanding normal behavioral response to crises
 - General best practices of talking through trauma with children
- Develop site-specific communication resources to help students and staff

²¹ <https://www.cdc.gov/coronavirus/2019-ncov/daily-life-coping/talking-with-children.html>

understand changes to normal operating procedures.

- Communicate need for daily home health screening.

When Schools are Open and Operating

- Encourage schools to implement a mental health screening for all students.
- Establish ongoing reporting protocols for school staff to evaluate physical and mental health status. At this time, the CDC does not recommend temperature screening in areas with no to minimal community spread.
- Schools are also not expected to perform COVID-19 screening at this time. Students or staff who develop a fever at school should don a face mask and be quarantined in a nursing office or similar isolation area (see: Appendix C).
- Maintain mental health supports via on-going wellness assessments of staff and students.
- Encourage schools to normalize feelings through forums and spaces for compassionate listening where students and school staff can share, discuss, and process their common experiences relative to SARS-CoV-2.
- Prevent the spread of infection by utilizing cleaning and personal hygiene best practices.
- Introduce hand washing best practices.
- Review and amend vaccinations planning.
 - School officials should expect to receive guidance on the timing and availability of teacher and student vaccines from public health officials.
- Update and finalize student and staff health records.
 - Develop alternate staffing and teaching strategies for students and teachers with high risk conditions.

Protocols

Spacing and Movement

- Changes to class sizes and spacing unnecessary; can resume normal seating.
- No changes in movement between classes is required.

Screening Students

At this time, the CDC recommends temperature screening of students upon entry only if feasible for the situation. Most larger schools will not be able to provide this screening

for every student, though smaller schools may be able to do so. If any screening does occur, it should comply with privacy and HIPAA requirements. A feasible protocol would include:

- Students are allowed to enter/exit the building using normal procedures.
- Parents are required to check student's temperature at home every morning using oral, tympanic, or temporal scanners; students with a temperature greater than 100.4 should stay home and consider coronavirus testing if no other explanation is available.
- Parents are required to ask their children or monitor for any cough, congestion, shortness of breath, or gastrointestinal symptoms every morning. Any positives should prompt the parent to keep the student home from school.
- Students sent home from school should be kept home until they have tested negative or have completely recovered according to CDC guidelines.

Testing for Students and Responding to Positive Cases

The CDC has specifically stated that schools are not expected to be testing students or staff for SARS-CoV-2. At this time, there are new antigen tests seeking approval by the Food and Drug Administration that would make point of care testing a possibility, but this is not expected to extend to schools or be performed by school nurses. With that consideration, a feasible protocol would include:

- Students who develop fever or fall ill at school should be transported by their parents, or ambulance if clinically unstable, for off site testing. These students should be kept in an area of quarantine (nurses office) with a surgical mask in place until they can be transported off campus.
- In the event that a student tests positive, immediate efforts should be made to contact any close contacts (those who spent more than 10 minutes in close proximity to the student) so that they can be quarantined at home. Classmates should be closely monitored for any symptoms. At this time, empiric testing of all students in the class is not recommended, only those that develop symptoms require testing.
- Parents should be notified of the presence of any positive cases in the classroom and/or school to encourage closer observation for any symptoms at home. Parents are required to check student's temperature at home every morning using oral, tympanic, or temporal scanners; students with a temperature greater than 100.4 should stay home and consider coronavirus testing if no other explanation is available.
- Parents are required to ask their children or monitor for any cough, congestion,

shortness of breath, or gastrointestinal symptoms every morning. Any positives should prompt the parent to keep the student home from school and seek out testing.

- Students sent home from school should be kept home until they have tested negative or have completely recovered according to CDC guidelines.

Responding to Positive Tests Among Staff and Students

- In the event of a positive test among staff or a student, the classroom or areas exposed should be immediately closed until cleaning and disinfection can be performed.
 - If the person was in the school building without a face mask, or large areas of the school were exposed to the person, short term dismissals (2-5 days) may be required to clean and disinfect the larger areas. This decision should be made in concert with the local public health department.
- If possible, smaller areas should be closed for 24 hours before cleaning to minimize the risk of any airborne particles.
- Cleaning staff should wear an N95 respirator when performing cleaning of these areas along with gloves and face shield.

Dining, Gathering and Extracurricular Activities

- Students, teachers, and cafeteria staff wash hands before and after every meal.
- Meal activities continue per normal operating procedures.
- Students and teachers wash hands before and after every event.
- Large scale gatherings are allowed per normal operating status.
- Extracurricular activities and gatherings conducted normally.
- After school programs are open and operating normally.

Athletics

- All activities are allowed to continue per normal procedures.
- Spectator events are allowed per normal procedures.

Personal Protective Equipment and Hygiene

Use of physical distancing measures are designed to create layers of redundancy recognizing that students are unlikely to be able to maintain full compliance at all times. They are designed to minimize the risk of transmission as much as possible while still

allowing for feasibility, flexibility, and ease of use.

- No personal protective equipment is required.
- Regular use of hand sanitizer and hand washing per normal operating status.

Cleaning

Coronaviruses on hard surfaces can survive for hours to days. Exposure to sunlight and higher temperatures are expected to diminish their survival but the exact amount of time required remains unclear. At this point, more aggressive cleaning practices are recommended in order to err on the side of caution.

- Routine cleaning with standard soap and water removes germs and dirt and lowers the risk of spreading SARS-CoV-2.
- School campuses should undergo normal cleaning on a daily basis.
- Frequently touched surfaces including lights, doors, benches, bathrooms, etc. should undergo cleaning with either an [EPA-approved disinfectant](#) or dilute bleach solution ($\frac{1}{3}$ cup bleach in 1 gallon of water) at least twice daily.²²
- Libraries, computer labs, arts, and other hands-on classrooms should undergo standard cleaning procedures per normal operating status.
- Student desks should be should wiped down with either an [EPA-approved disinfectant](#) or dilute bleach solution at the beginning and end of every day.
- Playground equipment and athletic equipment can be cleaned with either an [EPA-approved disinfectant](#) or dilute bleach solution twice daily.
- Staff should wear gloves, surgical mask, and face shield when performing all cleaning activities.

Busing and Student Transportation

The risks associated with student transportation in buses have not been studied to date. As a result, these recommendations are derived from school operating procedures and the best “reasonable standard” given feasibility constraints.

- School busing operations proceed normally.
- No changes to schedules or seating patterns on the buses are required.

Medically Vulnerable Students and Teachers

Understandably, a key concern is whether certain populations of students and teachers may be at increased risk of infection and severe disease by attending school in person.

²² <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>

These high risk groups include but are not limited to persons with:

- an advanced age >65,
- hypertension,
- diabetes,
- pulmonary disease including asthma and/or chronic obstructive pulmonary disease,
- and those who are immunosuppressed or on immunosuppressive medication
- Unfortunately, there is no validated data on how much risk these individuals incur by attending school in person and individuals will need to make the decision to attend in close consultation with their health care provider. A reasonable protocol may include the following, however:
 - All students and staff are able to attend school and activities normally.
 - If they choose to do so, staff and students may self identify as having a high risk medical condition to school staff for planning purposes in the event of an outbreak.

Scenario 2: Minimal to Moderate Local Community Spread

<p>Virus Status</p>	<ul style="list-style-type: none"> ✓ A R_0 greater than 1 ✓ A 14-day case trend of positive tests or increasing percentage of positive COVID-19 tests over a 14-day period ✓ Public health capacity that may be exceeded including an inadequate number of contact tracing professionals for the local community ✓ Testing capacity that may be inadequate for the local community
<p>How to Keep School Communities Safe</p>	<ul style="list-style-type: none"> ✓ School preparedness and response activities shift from ongoing surveillance to a series of active mitigation measures. ✓ Schools should be prepared to immediately implement social distancing measures that include:

	<ul style="list-style-type: none"> ✓ Reducing the frequency of large gatherings, ✓ Altering schedules, ✓ Limiting inter-school interactions, and ✓ Deploying distance learning. ✓ Short-term dismissals of 2-5 days and suspension of extracurricular activities should be expected for cleaning and contact tracing purposes. ✓ Students and teachers at increased risk of severe illness should be prepared to implement distance teaching and learning modalities.
School Operating Status	<ul style="list-style-type: none"> ✓ Situation dependent

Essential Actions to Take



Wellness

Mental, Physical and Social Emotional Health

Do Now:

- Prepare crisis response team for action should conditions worsen.
- Activate natural resources (personnel, existing partners) to support administrator, teacher, and student wellness.
- Continually monitor school community mental health and offer expanded access.

If Schools are Instructed to Close:

- Leverage Delaware State Department of Education for resources for student and staff mental health and wellness support.

- Activate direct communication channel for district stakeholders to address mental health concerns resulting from SARS-CoV-2 (this may be a telephone hotline, designated email, etc.).
- Communicate with parents, via a variety of channels, return to school transition information including:
 - [De-stigmatization of SARS-CoV-2](#)
 - Understanding normal behavioral response to crises
 - General best practices of talking through trauma with children

When Schools are Open and Operating

- Encourage schools to implement a mental health screening for all students.
- Establish ongoing reporting protocols for school staff to evaluate physical and mental health status.
 - In areas of minimal to moderate spread, CDC recommends “temperature and respiratory symptom screening of students, staff, and visitors if feasible”. It is important to remember that persons can still spread the virus in the absence of any fever or other symptoms (see: Appendix B).
 - Emphasis should instead be placed on home symptom monitoring as well as facility access control to limit the number of persons entering the building.
- Facility access control:
 - Single parent drop off of young children
 - Curbside or bus drop off for all older children
- Prevent the spread of infection: there are a variety of potential interventions, but there is not good evidence to yet suggest which measures are more effective than others. These options represent a list of potential actions but they should be implemented based on feasibility and local circumstances (see: Appendix B, F).
 - Encourage students and staff to stay away from school when sick.
 - Teach students and staff to use facial coverings and protective equipment appropriately, covering a cough, and using/discarding tissues appropriately.
 - Stress the importance of keeping hands away from the eyes, nose, and mouth.
 - Surfaces should be cleaned between classes and frequently touched surfaces should be cleaned every 2-3 hours if not more frequently.
 - Wearing of facial coverings inside the school building.
 - Schedule hand washing with soap and water every two hours.

Protocols

Spacing and Movement

- Recommended spacing is six feet between desks.
- Arrange all desks facing the same direction toward the front of the classroom.
- Each student should have a privacy screen or physical barrier placed at the front of the desk.
- Class sizes should be kept to less than 20 students or less (as afforded by necessary spacing requirements and personnel).
 - If all students cannot fit in the classroom space available, it is recommended that a staggered school schedule that incorporates alternative dates of attendance or use of virtual teaching be implemented.
- Teachers should try to maintain six feet of spacing between themselves and students as much as possible.
- Classroom windows should be open as much as possible and conditions allow.
- Assemblies of less than 50 students at a time are discouraged but allowed as long as facial coverings remain in use.
- Large scale assemblies of more than 50 students should be discontinued.
- Flow of foot traffic should be directed in only one direction if possible.
 - If one way flow is not possible, hallways can be divided with either side following the same direction.
- Efforts should be made to try and keep six feet of distance between persons in the hallways.
- Facial coverings should be worn at all times in hallways.
- Staggered movements at incremental intervals should be used if feasible to minimize the number of persons in the hallways as able.
- Floor tape or other markers should be used at six foot intervals where line formation is anticipated.

Screening Students

At this time, the CDC recommends temperature screening of students upon entry only if feasible for the situation. Most larger schools will not be able to provide this screening for every student, though smaller schools may be able to do so. If any screening does occur, it should comply with privacy and HIPAA requirements. A feasible protocol would include:

- Students are allowed to enter the building at only 1-2 sites and must egress from other exits to keep traffic moving in a single direction.
- Parents are not allowed in the school building except under extenuating

circumstances; adults entering the building should wash or sanitize hands prior to entering.

- Only one parent per child should be allowed to enter to minimize the number of entering persons.
- Strict records, including day and time, should be kept of non-school employees entering and exiting the building.
- Parents are required to check student's temperature at home every morning using oral, tympanic, or temporal scanners; students with a temperature greater than 100.4 should stay home and consider coronavirus testing if no other explanation is available.
- Parents are required to ask their children or monitor for any cough, congestion, shortness of breath, or gastrointestinal symptoms every morning. Any positives should prompt the parent to keep the student home from school.
- If resources allow, home room teachers can perform temperature checks on students once per day; febrile students should be sent to the nurse's office for transport home.
- Children who fall ill at school should be placed in an area of quarantine in the nurse's office with a surgical mask in place. Nurses should wear N95 masks when caring for these students.
- Students sent home from school should be kept home until they have tested negative or have completely recovered according to CDC guidelines.

Testing Protocols for Students and Responding to Positive Cases.

The CDC has specifically stated that schools are not expected to be testing students or staff for SARS-CoV-2. At this time, there are new antigen tests seeking approval by the Food and Drug Administration that would make point of care testing a possibility, but this is not expected to extend to schools or be performed by school nurses. With that consideration, a feasible protocol would include:

- Students who develop fever or fall ill at school should be transported by their parents, or ambulance if clinically unstable, for off site testing.
- In the event that a student tests positive, immediate efforts should be made to contact any close contacts (those who spent more than 10 minutes in close proximity to the student) so that they can be quarantined at home. Classmates should be closely monitored for any symptoms. At this time, empiric testing of all students in the class is not recommended, only those that develop symptoms require testing.
- Parents should be notified of the presence of any positive cases in the classroom and/or school to encourage closer observation for any symptoms at home. Parents are required to check student's temperature at home every morning using oral, tympanic, or temporal scanners; students with a temperature greater than 100.4 should stay home and consider coronavirus testing if no other explanation is available.

- Parents are required to ask their children or monitor for any cough, congestion, shortness of breath, or gastrointestinal symptoms every morning. Any positives should prompt the parent to keep the student home from school and seek out testing.
- Students sent home from school should be kept home until they have tested negative or have completely recovered according to CDC guidelines.

Responding to Positive Tests Among Staff and Students

- In the event of a positive test among staff or a student, the classroom or areas exposed should be immediately closed until cleaning and disinfection can be performed.
 - If the person was in the school building without a face mask, or large areas of the school were exposed to the person, short term dismissals (2-5 days) may be required to clean and disinfect the larger areas. This decision should be made in concert with the local public health department.
- If possible, smaller areas should be closed for 24 hours before cleaning to minimize the risk of any airborne particles.
- Cleaning staff should wear an N95 respirator when performing cleaning of these areas along with gloves and face shield.

Dining, Gathering, and Extracurricular Activities

- Students, teachers, and cafeteria staff wash hands before and after every meal.
- If possible, classrooms should be utilized for eating in place.
- Students may bring food from home.
- School supplied meals should be delivered to classrooms with disposable utensils.
- If cafeterias need to be used, meal times must be staggered to create seating arrangements with six feet of distance between students.
 - Disposable utensils should be employed.
 - Serving and cafeteria staff should use barrier protection including gloves, face shields, and surgical masks; N95 respirators are not required.
- Assemblies of less than 50 students at a time are discouraged but allowed as long as facial coverings remain in use.
- Parents and grandparents are not allowed to attend these assemblies, schools will offer telecasting of events if able.
- Students and teachers wash hands before and after every event.
- Large scale assemblies of more than 50 students should be discontinued.
- Off-site field trips discontinued.
- Inter-school activities may continue provided that bus transportation is provided and students wear facial coverings throughout the transport period.
- Schools may elect to discontinue these activities if Ro and community

transmission rise consistently.

- After school programs may continue with the use of facial coverings
 - Schools may elect to discontinue these activities if Ro and community transmission rise consistently.

Athletics

- Students, teachers, and staff wash hands before and after every practice, event, or other gathering. Every participant should confirm that they are healthy and without any symptoms prior to any event.
- All equipment should be disinfected before and after use.
- Sports that can be modified to allow physical distancing are allowed to continue. This may include activities such as golf, track and field, and other sports that do not require close and continuing contacts. Off site, inter-school competitions may be held provided that school busing is provided and facial coverings are worn during transportation.
 - Spectators are allowed provided that face facial coverings are used by observers at all times.
 - Schools may elect to discontinue these activities if Ro and community transmission rise consistently.
- Weight room and physical conditioning activities should be discontinued commensurate with the Reopening Delaware Plan.
- Sports that do not allow adequate distancing such as football, wrestling, basketball, etc. should be discontinued.
- Handshakes, fist bumps, and other unnecessary contact should be minimized.
- Locker rooms and group changing areas should be closed.
- Any uniforms or other clothing that need to be washed/laundered at school can be washed in warm water with regular detergent. These should be single use without sharing of ice towels or other materials.
- Each participant should use a clearly marked water bottle for individual use. There should be no sharing of this equipment.
- Large scale spectator or stadium events are not allowed.

Personal Protective Equipment and Hygiene

Use of physical distancing measures are designed to create layers of redundancy recognizing that students are unlikely to be able to maintain full compliance at all times. They are designed to minimize the risk of transmission as much as possible while still allowing for feasibility, flexibility, and ease of use.

- All staff and students should wear facing coverings at all times except for meals; facial coverings may be homemade or disposable level one (basic) grade surgical masks; N95 respirators are not necessary.

- Students should wash their hands or use hand sanitizer after changing any classroom; teachers in the classroom should wash their hands or use sanitizer every time a new group of students enters their room.
- Students and teachers should have scheduled hand washing with soap and water every 2-3 hours.
- Privacy or barrier screens should be placed on all desks in classrooms; alternatively, clear face shields may be substituted.
- Gloves are not required except for custodial staff or teachers cleaning their classrooms.
- Gowns, hair coverings, and shoe covers are not required.

Cleaning

Coronaviruses on hard surfaces can survive for hours to days. Exposure to sunlight and higher temperatures are expected to diminish their survival but the exact amount of time required remains unclear. At this point, more aggressive cleaning practices are recommended in order to err on the side of caution.

- School campuses should undergo cleaning on an increased tempo.
- Frequently touched surfaces including lights, doors, benches, bathrooms, etc. should undergo cleaning with either an [EPA-approved disinfectant](#) or dilute bleach solution should now be cleaned every two hours.
- Libraries, computer labs, arts, and other hands on classrooms should undergo cleaning with either an [EPA-approved disinfectant](#) or dilute bleach solution should now be cleaned after every class period. Efforts should be made to minimize sharing of materials between students as able.
- Student desks should be wiped down with either an [EPA-approved disinfectant](#) or dilute bleach solution after every class period.
- Playground equipment and athletic equipment can be cleaned with either an [EPA-approved disinfectant](#) or dilute bleach solution twice daily.
- Staff should wear gloves, surgical mask, and face shield when performing all cleaning activities.

Busing and Student Transportation

The risks associated with student transportation in buses have not been studied to date. As a result, these recommendations are derived from school operating procedures and the best “reasonable standard” given feasibility constraints.

- Buses should operate at half of their normal capacity with one student per seat.
- Students should use hand sanitizer just prior to boarding the bus.
- Facial coverings should be worn by all staff and students at all times.
- All windows should be open at all times to facilitate air flow.
- Unloading of buses at school should be staggered to minimize mixing of students

as they enter school and to allow six feet of distance while entering through designated entry points.

- Seats and handrails should be wiped down with either an [EPA-approved disinfectant](#) or dilute bleach solution before and after every ride.

Medically Vulnerable Students and Teachers

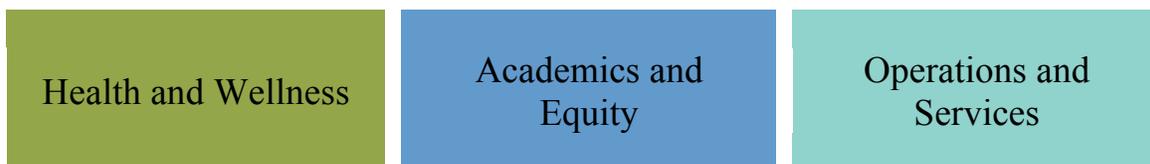
Understandably, a key concern is whether certain populations of students and teachers may be at increased risk of infection and severe disease by attending school in person. These high risk groups include but are not limited to persons with:

- an advanced age >65,
- hypertension,
- diabetes,
- pulmonary disease including asthma and/or chronic obstructive pulmonary disease,
- and those who are immunosuppressed or on immunosuppressive medication.
- Unfortunately, there is no validated data on how much risk these individuals incur by attending school in person and individuals will need to make the decision to attend in close consultation with their health care provider. A reasonable protocol may include the following, however:
 - Schools should move to broadcast in-classroom teaching via teleconferencing platforms for home learners.
 - Districts should abide by applicable labor law to provide self-identified high-risk staff with accommodation.
 - If able, high risk teachers may be reassigned to administrative or other roles that minimize interactions with others or allow work from home.
 - Parents may elect to keep children with underlying health conditions at home and either pursue education through virtual platforms.
 - Ultimate, individual decisions to attend school in person will be left to parents, students, and staff.

Scenario 3: Significant Community Spread

<p>Virus Status</p>	<ul style="list-style-type: none"> ✓ R_0 is significantly greater than 1 ✓ A rapidly increasing number of positive tests or increasing percentage of positive COVID-19 tests over a 14-day period ✓ Public health capacity that is likely exceeded including an inadequate number of contact tracing professionals for the local community ✓ Testing capacity that is likely inadequate for needs of the local community
<p>How to Keep School Communities Safe</p>	<ul style="list-style-type: none"> ✓ Delaware leaders have decided to return to Phase 1 or complete shutdown of the state.. ✓ School preparedness and response activities shift from an ongoing surveillance footing to a series of active mitigation measures. ✓ Schools should be closed for all in-house activities for an extended period of time
<p>School Operating Status</p>	<ul style="list-style-type: none"> ✓ Schools are closed

Essential Actions to Take



Wellness

Mental, Physical and Social Emotional Health

Continue While Schools are Closed:

- Leverage Delaware State Department of Education resources for student and staff mental health and wellness support.
- Activate direct communication channel for district stakeholders to address mental health concerns resulting from SARS-CoV-2 (this may be a telephone hotline, designated email, etc.).
- Communicate with parents, via a variety of channels, return to school transition information including:
 - [De-stigmatization of SARS-CoV-2](#)
 - Understanding normal behavioral response to crises
 - General best practices of talking through trauma with children

Protocols

Spacing and Movement

- Schools are closed.

Screening Students

- Schools are closed.

Dining, Gathering and Extracurricular Activities

- Schools enact off site food programs.
- No on-site activities are allowed.
- All inter-school activities are discontinued.
- After-school activities and child care are closed.

Athletics

- All athletics are suspended.

Personal Protective Equipment and Hygiene

- Schools are closed.

Cleaning

- Schools are closed and cleaning practices adjusted to maintain school buildings in clean and well functioning order.

Busing and Student Transportation

- All busing operations are suspended.

Medically Vulnerable Students and Teachers

- All teaching should be moved to virtual platforms.
- Schools should enact abbreviated teaching schedules that allow core subject matter to be transmitted on a regular basis. Elective material may be discontinued at school discretion.

CONCLUSION

This report establishes a framework to plan and implement a safe, efficient, and equitable return to school. While informed by evidence and global best practices, it is limited by the boundaries

of scientific knowledge about the coronavirus. There remains epidemiological uncertainty, a lack of established precedent, and insignificant data to make recommendations that entirely remove risk from returning to school. It is likely, that despite implementation of all of the recommendations in this report and the safety protocol appendices that follow, that educators and students may still be infected and develop COVID-19. The risk cannot be driven to absolute zero.

In those instances, there is clearly a risk calculus that will have to be considered by Delaware's elected and education leaders. These risks will need to be communicated to the public so that an informed decision can be made on whether the benefits of returning to school outweigh the risks.

The recommendations provided within are in line with best practices being utilized in other countries and adapted to local circumstances in Delaware.²³

Our hope is that this report provides those leaders with the information needed to make the difficult decisions ahead in the safest and most informed manner possible.

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²³ https://www.centerforhealthsecurity.org/our-work/pubs_archive/pubs-pdfs/2020/200515-reopening-schools.pdf

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PROTOCOL APPENDIX

Appendix A: Class Size/Spacing Requirements, Movement Operations

Class Size/Spacing

No to Minimal Community Spread

- Changes to class sizes and spacing unnecessary; can resume normal seating.

Minimal to Moderate Community Spread

- Recommended spacing is six feet between desks.
- Arrange all desks facing the same direction toward the front of the classroom.
- Each student should have a privacy screen or physical barrier placed at the front of the desk.
- Class sizes should be kept to less than 20 students or less (as afforded by necessary spacing requirements and personnel).
 - If all students cannot fit in the classroom space available, it is recommended that a staggered school schedule that incorporates alternative dates of attendance or use of virtual teaching be implemented.
- Teachers should try to maintain six feet of spacing between themselves and students as much as possible.
- Classroom windows should be open as much as possible and conditions allow.
- Assemblies of less than 50 students at a time are discouraged but allowed as long as facial coverings remain in use.
- Large scale assemblies of more than 50 students should be discontinued.

Substantial Community Spread

- Schools are closed.

Movement Operations

No to Minimal Community Spread

- No changes in movement between classes is required.

Minimal to Moderate Community Spread

- Flow of foot traffic should be directed in only one direction if possible.

- If one way flow is not possible, hallways can be divided with either side following the same direction.
- Efforts should be made to try and keep six feet of distance between persons in the hallways.
- Facial coverings should be worn at all times in hallways.
- Staggered movements at incremental intervals should be used if feasible to minimize the number of persons in the hallways as able.
- Floor tape or other markers should be used at six foot intervals where line formation is anticipated.

Substantial Community Spread

- Schools are closed.

Appendix B: Protocols for Screening Students

At this time, the CDC recommends temperature screening of students upon entry only if feasible for the situation. Most larger schools will not be able to provide this screening for every student, though smaller schools may be able to do so. If any screening does occur, it should comply with privacy and HIPAA requirements. A feasible protocol would include:

No to Minimal Community Spread

- Students are allowed to enter/exit the building using normal procedures.
- Parents are required to check student's temperature at home every morning using oral, tympanic, or temporal scanners; students with a temperature greater than 100.4 should stay home and consider coronavirus testing if no other explanation is available.
- Parents are required to ask their children or monitor for any cough, congestion, shortness of breath, or gastrointestinal symptoms every morning. Any positives should prompt the parent to keep the student home from school.
- Students sent home from school should be kept home until they have tested negative or have completely recovered according to CDC guidelines.

Minimal to Moderate Community Spread

- Students are allowed to enter the building at only 1-2 sites and must egress from other exits to keep traffic moving in a single direction.
 - Parents are not allowed in the school building except under extenuating circumstances; adults entering the building should wash or sanitize hands prior to entering.
 - Only one parent per child should be allowed to enter to minimize the number of entering persons.
 - Strict records, including day and time, should be kept of non-school employees entering and exiting the building.
- Parents are required to check student's temperature at home every morning using oral, tympanic, or temporal scanners; students with a temperature greater than 100.4 should stay home and consider coronavirus testing if no other explanation is available.
- Parents are required to ask their children or monitor for any cough, congestion, shortness of breath, or gastrointestinal symptoms every morning. Any positives should prompt the parent to keep the student home from school.
- If resources allow, home room teachers can perform temperature checks on students once per day; febrile students should be sent to the nurse's office for transport home.
- Children who fall ill at school should be placed in an area of quarantine in the nurse's office with a surgical mask in place. Nurses should wear N95 masks when caring for these students.

- Students sent home from school should be kept home until they have tested negative or have completely recovered according to CDC guidelines.

Substantial Community Spread

- Schools are closed.

Appendix C: Testing Protocols for Students and Responding to Positive Cases

The CDC has specifically stated that schools are not expected to be testing students or staff for SARS-CoV-2. At this time, there are new antigen tests seeking approval by the Food and Drug Administration that would make point of care testing a possibility, but this is not expected to extend to schools or be performed by school nurses.

With that consideration, a feasible protocol would include:

No to Minimal Community Spread

- Students who develop fever or fall ill at school should be transported by their parents, or ambulance if clinically unstable, for off site testing. These students should be kept in an area of quarantine (nurses office) with a surgical mask in place until they can be transported off campus.
- In the event that a student tests positive, immediate efforts should be made to contact any close contacts (those who spent more than 10 minutes in close proximity to the student) so that they can be quarantined at home. Classmates should be closely monitored for any symptoms. At this time, empiric testing of all students in the class is not recommended, only those that develop symptoms require testing.
- Parents should be notified of the presence of any positive cases in the classroom and/or school to encourage closer observation for any symptoms at home. Parents are required to check student's temperature at home every morning using oral, tympanic, or temporal scanners; students with a temperature greater than 100.4 should stay home and consider coronavirus testing if no other explanation is available.
- Parents are required to ask their children or monitor for any cough, congestion, shortness of breath, or gastrointestinal symptoms every morning. Any positives should prompt the parent to keep the student home from school and seek out testing.
- Students sent home from school should be kept home until they have tested negative or have completely recovered according to CDC guidelines.

Minimal to Moderate Community Spread

- Students who develop fever or fall ill at school should be transported by their parents, or ambulance if clinically unstable, for off site testing.
- In the event that a student tests positive, immediate efforts should be made to contact any close contacts (those who spent more than 10 minutes in close proximity to the student) so that they can be quarantined at home. Classmates should be closely monitored for any symptoms. At this time, empiric testing of all students in the class is not recommended, only those that develop symptoms require testing.

- Parents should be notified of the presence of any positive cases in the classroom and/or school to encourage closer observation for any symptoms at home. Parents are required to check student's temperature at home every morning using oral, tympanic, or temporal scanners; students with a temperature greater than 100.4 should stay home and consider coronavirus testing if no other explanation is available.
- Parents are required to ask their children or monitor for any cough, congestion, shortness of breath, or gastrointestinal symptoms every morning. Any positives should prompt the parent to keep the student home from school and seek out testing.
- Students sent home from school should be kept home until they have tested negative or have completely recovered according to CDC guidelines.

Substantial Community Spread

- Schools are closed.

Responding to Positive Tests Among Staff and Students

- In the event of a positive test among staff or a student, the classroom or areas exposed should be immediately closed until cleaning and disinfection can be performed.
 - If the person was in the school building without a face mask, or large areas of the school were exposed to the person, short term dismissals (2-5 days) may be required to clean and disinfect the larger areas. This decision should be made in concert with the local public health department.
- If possible, smaller areas should be closed for 24 hours before cleaning to minimize the risk of any airborne particles.
 - Cleaning staff should wear an N95 respirator when performing cleaning of these areas along with gloves and face shield.

Appendix D: Protocols for Dining, Gathering, and Extracurricular Activities

Dining

No to Minimal Community Spread

- Students, teachers, and cafeteria staff wash hands before and after every meal.
- Meal activities continue per normal operating procedures.

Minimal to Moderate Community Spread

- Students, teachers, and cafeteria staff wash hands before and after every meal.

- If possible, classrooms should be utilized for eating in place.
- Students may bring food from home.
- School supplied meals should be delivered to classrooms with disposable utensils.
- If cafeterias need to be used, meal times must be staggered to create seating arrangements with six feet of distance between students.
 - Disposable utensils should be employed.
 - Serving and cafeteria staff should use barrier protection including gloves, face shields, and surgical masks; N95 respirators are not required.

Substantial Community Spread

- Schools enact off site food programs.

Gathering and Extracurricular Activities

No to Minimal Community Spread

- Students and teachers wash hands before and after every event.
- Large scale gatherings are allowed per normal operating status.
- Extracurricular activities and gatherings conducted normally.
- After school programs are open and operating normally.

Minimal to Moderate Community Spread

- Assemblies of less than 50 students at a time are discouraged but allowed as long as facial coverings remain in use.
 - Parents and grandparents are not allowed to attend these assemblies, schools will offer telecasting of events if able.
- Students and teachers wash hands before and after every event.
- Large scale assemblies of more than 50 students should be discontinued.
- Off-site field trips discontinued.
- Inter-school activities may continue provided that bus transportation is provided and students wear facial coverings throughout the transport period.
 - Schools may elect to discontinue these activities if Ro and community transmission rise consistently.
- After school programs may continue with the use of facial coverings
 - Schools may elect to discontinue these activities if Ro and community transmission rise consistently.

Substantial Community Spread

- No on-site activities are allowed.
- All inter-school activities are discontinued.

- After-school activities and child care are closed.

Appendix E: Protocols for Athletic Activities

No to Minimal Community Spread

- All activities are allowed to continue per normal procedures.
- Spectator events are allowed per normal procedures.

Minimal to Moderate Community Spread

- Students, teachers, and staff wash hands before and after every practice, event, or other gathering. Every participant should confirm that they are healthy and without any symptoms prior to any event.
- All equipment should be disinfected before and after use.
- Sports that can be modified to allow physical distancing are allowed to continue. This may include activities such as golf, track and field, and other sports that do not require close and continuing contacts. Off site, inter-school competitions may be held provided that school bussing is provided and facial coverings are worn during transportation.
 - Spectators are allowed provided that facial coverings are used by observers at all times.
 - Schools may elect to discontinue these activities if Ro and community transmission rise consistently.
- Weight room and physical conditioning activities should be discontinued commensurate with the Reopening Delaware.
- Sports that do not allow adequate distancing such as football, wrestling, basketball, etc. should be discontinued.
- Handshakes, fist bumps, and other unnecessary contact should be minimized.
- Locker rooms and group changing areas should be closed.
- Any uniforms or other clothing that need to be washed/laundered at school can be washed in warm water with regular detergent. These should be single use without sharing of ice towels or other materials.
- Each participant should use a clearly marked water bottle for individual use. There should be no sharing of this equipment.
- Large scale spectator or stadium events are not allowed.

Substantial Community Spread

- All athletics are suspended.

Appendix F: Personal Protective Equipment and Cleaning Protocols

Use of physical distancing measures are designed to create layers of redundancy recognizing that students are unlikely to be able to maintain full compliance at all times. They are designed to

minimize the risk of transmission as much as possible while still allowing for feasibility, flexibility, and ease of use.

Use of Personal Protective Equipment and Hand Washing

No to Minimal Community Spread

- No personal protective equipment is required.
- Regular use of hand sanitizer and hand washing per normal operating status.

Minimal to Moderate Community Spread

- All staff and students should wear facial coverings at all times except for meals; facial coverings may be homemade or disposable level one (basic) grade surgical masks; N95 respirators are not necessary.
- Students should wash their hands or use hand sanitizer after changing any classroom; teachers in the classroom should wash their hands or use sanitizer every time a new group of students enters their room.
- Students and teachers should have scheduled hand washing with soap and water every 2-3 hours.
- Privacy or barrier screens should be placed on all desks in classrooms; alternatively, clear face shields may be substituted.
- Gloves are not required except for custodial staff or teachers cleaning their classrooms.
- Gowns, hair coverings, and shoe covers are not required.

Substantial Community Spread

- Schools are closed.

Cleaning Protocols

Coronaviruses on hard surfaces can survive for hours to days. Exposure to sunlight and higher temperatures are expected to diminish their survival but the exact amount of time required remains unclear. At this point, more aggressive cleaning practices are recommended in order to err on the side of caution.

No to Minimal Community Spread

- Routine cleaning with standard soap and water removes germs and dirt and lowers the risk of spreading SARS-CoV-2.
- School campuses should undergo normal cleaning on a daily basis.

- Frequently touched surfaces including lights, doors, benches, bathrooms, etc. should undergo cleaning with either an [EPA-approved disinfectant](#) or dilute bleach solution ($\frac{1}{3}$ cup bleach in 1 gallon of water) at least twice daily.²⁴
- Libraries, computer labs, arts, and other hands on classrooms should undergo standard cleaning procedures per normal operating status
- Student desks should be should wiped down with either an [EPA-approved disinfectant](#) or dilute bleach solution at the beginning and end of every day
- Playground equipment and athletic equipment can be cleaned with either an [EPA-approved disinfectant](#) or dilute bleach solution twice daily.
- Staff should wear gloves, surgical mask, and face shield when performing all cleaning activities.

Minimal to Moderate Community Spread

- School campuses should undergo cleaning on an increased tempo.
- Frequently touched surfaces including lights, doors, benches, bathrooms, etc. should undergo cleaning with either an [EPA-approved disinfectant](#) or dilute bleach solution should now be cleaned every 2 hours
- Libraries, computer labs, arts, and other hands on classrooms should undergo cleaning with either an [EPA-approved disinfectant](#) or dilute bleach solution should now be cleaned after every class period. Efforts should be made to minimize sharing of materials between students as able.
- Student desks should be wiped down with either an [EPA-approved disinfectant](#) or dilute bleach solution after every class period.
- Playground equipment and athletic equipment can be cleaned with either an [EPA-approved disinfectant](#) or dilute bleach solution twice daily.
- Staff should wear gloves, surgical mask, and face shield when performing all cleaning activities.

Substantial Community Spread

- Schools are closed and cleaning practices adjusted to maintain school buildings in clean and well functioning order.

²⁴ <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>

Appendix G: Busing and Student Transportation

The risks associated with student transportation in buses have not been studied to date. As a result, these recommendations are derived from school operating procedures and the best “reasonable standard” given feasibility constraints.

No to Minimal Community Spread

- School busing operations proceed normally.
- No changes to schedules or seating patterns on the buses are required.

Minimal to Moderate Community Spread

- Buses should operate at half of their normal capacity with one student per seat.
- Students should use hand sanitizer just prior to boarding the bus.
- Facial coverings should be worn by all staff and students at all times.
- All windows should be open at all times to facilitate air flow.
- Unloading of buses at school should be staggered to minimize mixing of students as they enter school and to allow six feet of distance while entering through designated entry points.
- Seats and handrails should be wiped down with either an [EPA-approved disinfectant](#) or dilute bleach solution before and after every ride.

Substantial Community Spread

- All busing operations are suspended.

Appendix H: Protocols for Serving Medically Vulnerable Students and Teachers

Understandably, a key concern is whether certain populations of students and teachers may be at increased risk of infection and severe disease by attending school in person. These high risk groups include but are not limited to persons with:

- an advanced age >65,
- hypertension,
- diabetes,
- pulmonary disease including asthma and/or chronic obstructive pulmonary disease,
- and those who are immunosuppressed or on immunosuppressive medication

Unfortunately, there is no validated data on how much risk these individuals incur by attending school in person and individuals will need to make the decision to attend in close consultation with their health care provider. A reasonable protocol may include the following, however:

No to Minimal Community Spread

- All students and staff are able to attend school and activities normally.
- If they choose to do so, staff and students may self identify as having a high risk medical condition to school staff for planning purposes in the event of an outbreak.

Minimal to Moderate Community Spread

- Schools should move to broadcast in-classroom teaching via teleconferencing platforms for home learners.
- High risk staff should consider teaching lessons via virtual platforms from home that are transmitted to school and home settings.
 - If able, high risk teachers may be reassigned to administrative or other roles that minimize interactions with others or allow work from home.
- Parents may elect to keep children with underlying health conditions at home and either pursue education through virtual platforms or homeschooling.
- Ultimate, individual decisions to attend school in person will be left to parents, students, and staff.

Substantial Community Spread

- All teaching should be moved to virtual platforms.
- Schools should enact abbreviated teaching schedules that allow core subject matter to be transmitted on a regular basis. Elective material may be discontinued at school discretion.