

Objectives

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- Review principles of COVID-19 case and contact investigation
- Introduce new processes for school-related COVID investigations and reporting in Orange County

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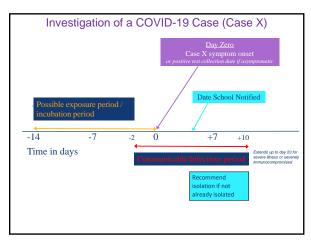
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COVID-19 Case Investigation

- Separate case from other students/staff and send home if on campus; recommend self-isolation
- Refer case to medical provider for clinical questions
- Gather information
 - Date of symptom onset
 - Symptoms and course (when symptoms got better, hospitalization)
 - Test date (date specimen collected) and result
 - Was person on campus during exposure period (14 days prior to onset)
- Calculate infectious period



Case definitions
 Only confirmed cases on the website report Confirmed case: Person with positive SARS-CoV-2 nucleic acid amplification test (NAAT), includes polymerase chain reaction (PCR)
 Probable case: Person with positive SARS-CoV-2 antigen test, OR Person with clinical criteria consistent with COVID-19 and close contact with a confirmed or probable case of COVID-19 in the 14 days before onset
 Clinical criteria 1 high risk symptom, OR At least two low risk symptoms, OR Severe respiratory illness with pneumonia or acute respiratory distress syndrome AND no alternate more likely diagnosis



Duration of isolation – symptomatic cases

- Cases with mild to moderate illness:
 - At least 10 days* have passed since symptom onset and
 - At least **24 hours** have passed since resolution of fever without the use of fever-reducing medications **and**
 - Other symptoms (e.g., cough, shortness of breath) have improved.
 - *Cases with severe or critical illness or who are severely
 - immunocompromised should self-isolate until:At least 10, up to 20 days have passed since symptom onset and
 - At least 10, up to 20 days have passed since symptom onset and At least 24 hours have passed since resolution of fever without the use of fever-reducing medications and
 - fever-reducing medications andOther symptoms have improved.
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COVID-19 in	fectious period
 Symptomatic 	cases
Start date:	2 days before symptom onset
Until:	When case went into isolation OR until criteria for discontinuation of isolation met
 Asymptomat 	ic cases
Start date:	2 days before date of specimen collection for positive COVID test (NAAT/PCR or antigen)
Until:	When case went into isolation OR until criteria for discontinuation of isolation met

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Potential spread locations

- Transportation/carpool
- Friend groups
- Classes
- Breaks/Lunch
- Gym/PE
- Sports practices, games, gatherings
- Other activities
- Office
- Staff break rooms
- Others....

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Duration of isolation - asymptomatic cases

- Cases who never develop symptoms, self-isolate for:
 - At least 10 days* have passed since date that first positive test specimen was collected
- *Cases who never develop symptoms who are severely immunocompromised
 At least 10 and up to 20 days after date of first positive viral diagnostic test
- At least 10 and up to 20 days after date of first positive vital diagnostic test
- If asymptomatic when initially tested positive but then develop symptoms, extend isolation based on symptom-based criteria

os://www.cdc.gov/coronavirus/2019-ncov/hcp/disposition-in-home-patients.html

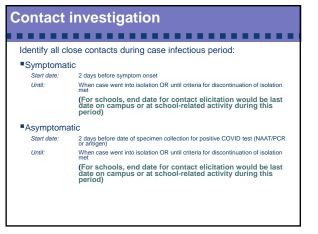
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	Gather information Date of symptom onset Symptoms and course (when symptoms got better, hospitalization) Test date (date specimen collected) and result Was person on campus during exposure period (14 days prior to onset)
	Calculate infectious period
1	Determine dates present at school facility while infectious, including dates/times arrived
1	Determine locations where case present while infectious • Go through schedule hour by hour for whole day, each day present
1	Note household members also at school and symptom/test status
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SECTION 4 - CONTACT INVESTIGATION INFORMATION											
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ix.: Room 202	Ms. Lucas' 34 grade classroom, cohort A	14	11/25/2020								



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		Use This List to Docur	ment All Persons wit	It Close Contact	- Do NOT Include	Contacts with Low R	isk Exposure	
. Clos	e Contact is an individual i	with the following exposures:						
1 5	eng within 6 leet of a per-	on with COVID-19 for a cumu ecimen collection) until the for	dative total of 15 minute	n or more over a 24	- hour period starting I	from 2 days before the ca	ese's illness onset (or, for asymptor	matic cases.
8 4	laving unprotected direct or		ins or excretions of a per-		or sugected COVID	TB (e.g., being coughed	or sneezed on, sharing utensits or	salva, or
No.	Last Name	First Name	Detu of Birth (MMCONYYY)	Gender	Phone Number (10 digits)	County of Residence	Exponents Setting disig. Seets, Recretion, Other)	Last Day Exposur
Ex.	Doe	John	03/03/2012	Main	(714) 765-4321	Orange	3* Grade Classrom, Ros. 202	11/25/202
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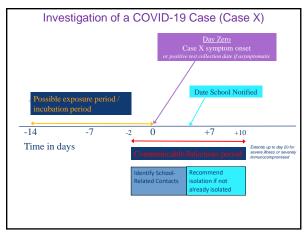
Determine close contacts at school

 While awaiting investigation, can temporarily assign potential close contacts to distance learning

Close contact definition

- Someone who was within 6 feet of an infected person for a cumulative total of 15 minutes or more over a 24-hour period, while case was infectious
- Also includes unprotected direct contact with infectious secretions/excretions.

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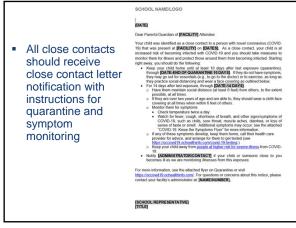


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Quarantine

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- Starts as soon as know exposed to a COVID-19 case
- Continues until 10 days after last exposure to COVID-19 case while case was infectious
- For school exposures, count 10 days from last date case was on campus (or in school-associated setting) while infectious
- For home exposures, it will depend on if the case and contact are separating within the home
- Quarantine period does not change with a negative test result
- Contact should continue to monitor for symptoms through 14 days after last exposure. If symptoms develop, will need to self-isolate and get tested



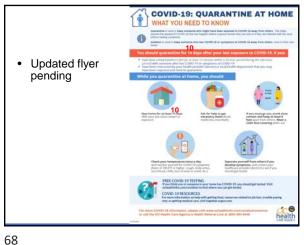


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Cluster/Outbreak Detection

- School's role in outbreak identification and management

 - Identify students/staff with common exposures (e.g., classroom, activity, tearn, office, transportation, etc.) with onsets within 14 days of each other
 Notify HCA Safe Schools OC (School Response Tearn) whenever clusters/outbreaks (2 or more from separate households with common exposure and onsets within 14 days of each other). HCA will assist with recommendations and outbreak management
- We may consider recommending testing of all persons potentially exposed with clusters/outbreaks especially at 5-7 days following the last date of exposure
- We may consider that group affected by an outbreak may be at increased risk of infection even if no reported close contact, and may need to be quarantined and tested.









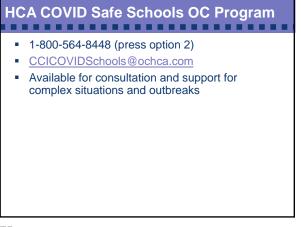
Outbreak definition

- **Confirmed:** At least three probable or confirmed COVID-19 cases within a 14-day period in people who are epidemiologically-linked† in the setting, are from different households, and are not identified as close contacts of each other in any other case investigation
- † Epidemiologically-linked cases include persons with close contact with a confirmed or probable case of COVID-19 disease; OR a member of a risk cohort (this includes persons with identifiable connections to each other such as sharing a defined physical space, e.g., in an office, classroom, facility section or gathering, indicating a higher likelihood of linked spread of disease than sporadic community incidence).

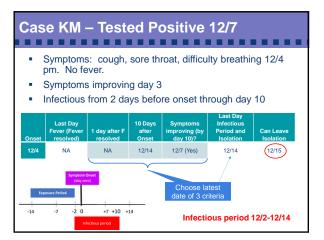
Important info to help with outbreak investigation

- Number cases
- Onset dates, or test date if asymptomatic
- Dates present while infectious, including last date
- Whether they were present during their exposure period
- Did they have other COVID-19 sources (other close contacts who were cases)?
- Exposed groups and any symptomatic, other positives in those groups

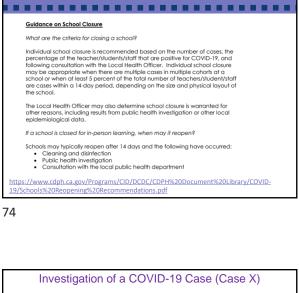
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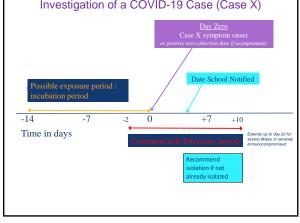
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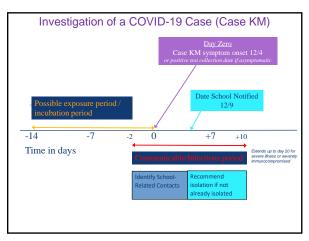




CDPH Guidance on School Closure



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KM information

- 12th grade
- Wednesday, Friday hybrid learning
- Rides bike to school
- Plays soccer
- No other in-person school-related activities
- Attended school during infectious period 12/2 and 12/4
- Hung out with 1 kid after school to do college applications on 12/4

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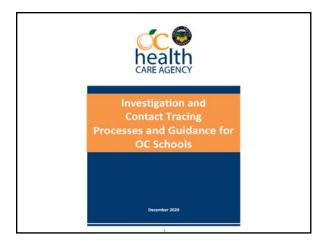
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Costello	Elvis	10/3/2002	Male	949-2338889	Orange	Adv Journalism (712)	12/2/2020
Crabtree	Evelyn	12/4/2003	Female	949-555-5555	Orange	Adv Journalism (712)	12/2/2020
Pizza	California	10/4/2004	Male	949-888-9999	Orange	Adv Journalism (712)	12/2/2020
Messi	Alejandro	12/1/2003	Male	949-777-8888	Orange	Socoer	12/4/2020
Rinaldo	Salvatore	8/5/2002	Male	949-777-8884	Orange	Socoar	12/4/2020
Maxwell	Jose	2/5/1968	Female	714-879-8796	Orange	AP CmpSciA (509B)	12/4/2020
Luger	Peter	8/2/2003	Male	949-222-7799	Orange	School lunch tables	12/4/2020
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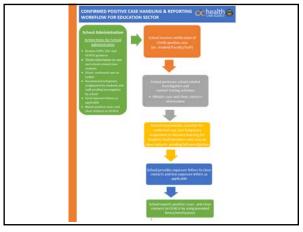
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ľ	Ex.: Room 202	Ms. Lucas' 3# grade classroom, cohort A	14	11/25/2020
4	Period 1	Online only		
ł	Period 3	AdvJourn Rm (712)(<6 ft with sports page writers)	3	12/2/2020
2	Period 5	AP Statistics (515A)	0	
2	Period 7 and 8	Soccer (<6 ft with 2 teammates)	2	12/4/2020
ł	Period 2	AP Macro Econ (library)	0	
4	Period 4	AP EngLit A (714)	0	
1	Period 6	AP CmpSciA (509B) (<6 ft with teacher, helping him with program)	1	12/4/2020
4	After school	School lunch tables (college apps w/friend)	1	12/4/2020

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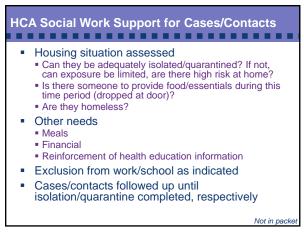














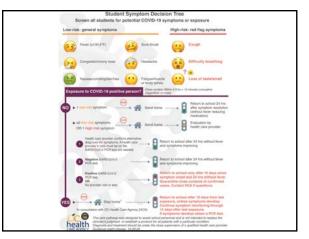
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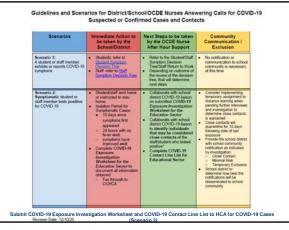
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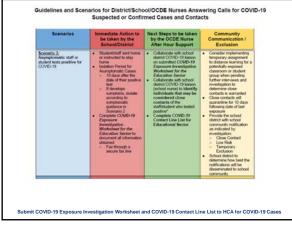


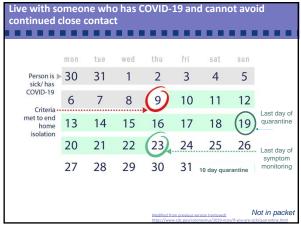


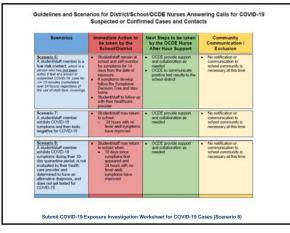




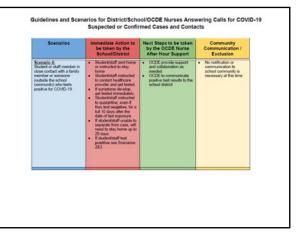


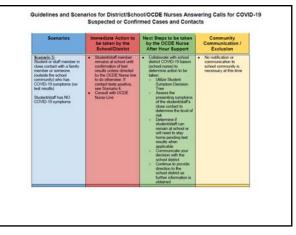


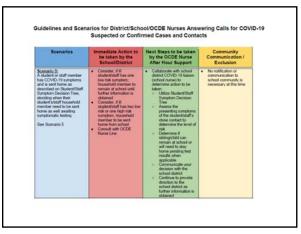


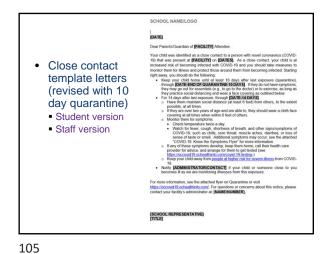












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