

# Moving to K-12 Stage 2 on Vancouver Island

SD 68 (Nanaimo Ladysmith) DPAC

1 September 2020

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Medical Health Officer  
Central Vancouver Island



# Outline

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- Status of COVID-19 on Vancouver Island
- K-12 Stage 2 – key points, evidence
- Support & Resources from Island Health
- Scenarios
- Discussion

# Status: COVID-19 (as of 31 Aug 2020)

	Vancouver Island	G. Nanaimo + CVN LHA
# cases in 174 days	175	20
population	858,785	142,449
# cases per million	204	140

- 50,000 tests performed = 0.4% positivity
- Assume for every detected case, 8 are not detected ([BCCDC serology study](#)):  $204 * 8 = 1,632$  cases
- $1,632 \text{ cases} / 858,785 \text{ population} = \mathbf{0.19\% \text{ infected}}$
- Since July, <10 cases with acquisition likely on-island, in the community
  - *Vancouver Island has a very low rate of COVID-19*
  - *Vancouver Island has a very low level of community transmission*


Location	Cases/Million
USA	18,722
Israel	12,677
Washington	9,760
Quebec	7,320
Sweden	8,346
Toronto	5,394
Canada	3,392
World	3,278
B.C.	1,075
Hong Kong	641
Japan	532
New Zealand	347
PEI	278
Vancouver Island	204
GN & CVN LHA	140
NWT	111
Taiwan	20

Source: [PHAC](#), [Worldometer](#)

# K-12 Restart Stages



**K-12 Education Restart Plan**  
Ministry of Education



STAGE 1 IN-CLASS	STAGE 2 IN-CLASS	STAGE 3 HYBRID	STAGE 4 HYBRID	STAGE 5 REMOTE
<p><b>COHORT SIZE</b></p> <ul style="list-style-type: none"> <li>Elementary: <i>No limit</i></li> <li>Middle: <i>No limit</i></li> <li>Secondary: <i>No limit</i></li> </ul> <p><b>DENSITY TARGETS</b></p> <ul style="list-style-type: none"> <li>Not applicable</li> </ul> <p>In-Class Instruction Full-time all students, all grades</p>	<p><b>COHORT SIZE</b></p> <ul style="list-style-type: none"> <li>Elementary: 60</li> <li>Middle: 60</li> <li>Secondary: 120</li> </ul> <p><b>DENSITY TARGETS</b></p> <ul style="list-style-type: none"> <li>Not applicable</li> </ul> <p>In-Class Instruction Full-time instruction for all students for the maximum instructional time possible within cohort limits.</p> <p>Self-directed learning supplements in-class instruction, if required</p>	<p><b>COHORT SIZE</b></p> <ul style="list-style-type: none"> <li>Elementary: 30</li> <li>Middle: 30</li> <li>Secondary: 60</li> </ul> <p><b>DENSITY TARGETS</b></p> <ul style="list-style-type: none"> <li>50% for all schools</li> </ul> <p>In-Class Instruction Full-time instruction for:</p> <ul style="list-style-type: none"> <li>Children of essential service workers</li> <li>Students with disabilities/diverse abilities</li> <li>Students who require additional supports</li> </ul> <p>In-class instruction for all other students for the maximum time possible within cohort limits and density targets.</p> <p>Self-directed and remote learning supplements in-class instruction.</p>	<p><b>COHORT SIZE</b></p> <ul style="list-style-type: none"> <li>Elementary: 30</li> <li>Middle: 30</li> <li>Secondary: 30</li> </ul> <p><b>DENSITY TARGETS</b></p> <ul style="list-style-type: none"> <li>25% for all schools</li> </ul> <p>In-Class Instruction Full-time instruction for:</p> <ul style="list-style-type: none"> <li>Children of essential service workers</li> <li>Students with disabilities/diverse abilities</li> <li>Students who require additional supports</li> </ul> <p>In-class instruction for all other students for the maximum time possible within cohort limits and density targets.</p> <p>Self-directed and remote learning supplements in-class instruction.</p>	<p><b>COHORT SIZE</b></p> <ul style="list-style-type: none"> <li>Elementary: 0</li> <li>Middle: 0</li> <li>Secondary: 0</li> </ul> <p><b>DENSITY TARGETS</b></p> <ul style="list-style-type: none"> <li>0% for all schools</li> </ul> <p>In-Class Instruction Suspend in-class instruction for all students.</p> <p>Self-directed and remote learning in place of in-class instruction.</p>

# K-12 Stage 2: Key Points



COVID-19 Public Health Guidance for K-12 School Settings

UPDATED: July 29, 2020


## [BCCDC COVID-19 Public Health Guidance](#) (July 29, 2020)

- schools and childcare facility closures have significant negative impacts on learning, mental health, and negative socioeconomic impacts
- children do not appear to be primary drivers of transmission
- prevention measures and mitigation strategies involving children must be commensurate with risk

# K-12 Stage 2: Key Points

## *Children do not appear to be primary drivers of transmission*

Children over age 10 spread COVID-19 as much as adults, study finds

 Brooklyn Neustaeter CTVNews.ca Writer  
[@bneustaeter](#) | [Contact](#)  
 Published Sunday, July 19, 2020 12:03PM EDT

Contact Tracing during Coronavirus Disease Outbreak, South Korea, 2020

Young Joon Park<sup>1</sup>, Young June Choe<sup>1</sup>, Ok Park, Shin Young Park, Young-Man Kim, Jieun Kim, Sanghui Kweon, Yeonhee Woo, Jin Gwack, Seong Sun Kim, Jin Lee, Junghee Hyun, Boyeong Ryu, Yoon Suk Jang, Hwami Kim, Seung Hwan Shin, Seonju Yi, Sangeun Lee, Hee Kyoung Kim, Hyeyoung Lee, Yeowon Jin, Eunmi Park, Seung Woo Choi, Miyoung Kim, Jeongsuk Song, Si Won Choi, Dongwook Kim, Byoung-Hak Jeon, Hyosoon Yoo, Eun Kyeong Jeong<sup>✉</sup>, on behalf of the COVID-19 National Emergency Response Center, Epidemiology and Case Management Team

On This Page  
[The Study](#)  
[Conclusions](#)  
[Suggested Cit](#)

[link](#)


Index patient age, y	Household		Nonhousehold	
	No. contacts positive/no. contacts traced	% Positive (95% CI)	No. contact positive/no. contacts traced	% Positive (95% CI)
0-9	3/57	5.3 (1.3-13.7)	2/180	1.1 (0.2-3.6)
10-19	43/231	18.6 (14.0-24.0)	2/226	0.9 (0.1-2.9)

***“could not determine direction of transmission”***

# K-12 Stage 2: Key Points

*Children do not appear to be primary drivers of transmission*

## Role of children in household transmission of COVID-19

Jieun Kim,<sup>1</sup> Young June Choe ,<sup>2</sup> Jin Lee,<sup>1</sup> Young Joon Park,<sup>1</sup> Ok Park,<sup>1</sup> Mi Seon Han,<sup>3</sup> Jong-Hyun Kim,<sup>4</sup> Eun Hwa Choi <sup>5</sup>

[link](#)

- 107 children index cases, median 15 years old
- 248 household members
- South Korea
- Examined transmission in household
- 1 transmission to a household member
- Secondary attack rate: 0.5%

## COVID-19 in Children and the Dynamics of Infection in Families

Klara M. Posfay-Barbe, MD,<sup>a</sup> Noemie Wagner, MD,<sup>a</sup> Magali Gauthey, MD,<sup>b</sup> Dehlia Moussaoui, MD,<sup>c</sup> Natasha Loevy, MD,<sup>d</sup> Alessandro Diana, MD,<sup>e,f</sup> Arnaud G. L'Huillier, MD<sup>a,g</sup>

[link](#)

- 39 children aged 5-14
- Switzerland
- Examined transmission in household
- Child as index case <10% of clusters

# K-12 Stage 2: Key Points

*Prevention measures and mitigation strategies involving children must be commensurate with risk*

PARENTING / EDUCATION

## Here Are the More Than 850 Schools That Already Have COVID Cases

*Here's a list of the schools that re-opened, and then, had to quarantine.*

By [Tara Santora](#) Updated Aug 28 2020, 1:48 PM

[link](#)

CORONAVIRUS | News

## Massive outbreaks in Israeli schools a 'cautionary tale' for Canada



Meredith MacLeod CTVNews.ca Writer  
@meredithmacleod | [Contact](#)

Published Thursday, August 13, 2020 11:36AM EDT

[link](#)

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USA	18,722
Israel	12,677
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Quebec	7,320
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Source: [PHAC](#), [Worldometer](#)



# K-12 Stage 2: Key Points

*Prevention measures and mitigation strategies involving children must be commensurate with risk*

## COVID-19 in children and the role of school settings in COVID-19 transmission

Technical report

6 Aug 2020

[link](#)

Me



**European Centre for Disease Prevention and Control**

An agency of the European Union

- 15 countries
  - 9 countries: no outbreaks
    - 5 countries: isolated cases, no evidence of secondary transmission
    - 4 countries: no cases
  - 6 countries: outbreaks
    - 5 countries: few secondary cases
    - 1 country: 1 cluster of >10 cases

Location	Cases/Million
Luxembourg	10,638
Spain	10,073
Sweden	8,346
Ireland	5,867
UK	4,962
Romania	4,611
Italy	4,470
France	4,380
Malta	4,322
Netherlands	4,150
Canada	3,392
World	3,278
Denmark	2,948
Finland	1,469
Cyprus	1,231
Lithuania	1,079
B.C.	1,075
Latvia	746
Vancouver Island	204
GN & CVN LHA	148

Source: [PHAC](#), [Worldometer](#)

# K-12 Stage 2: Key Points

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*Prevention measures and mitigation strategies involving children must be commensurate with risk*

Cases in Canadian children (19 and younger)

- 10,631 cases
- 98.3% recover at home
- 150 hospitalized (1.4%)
- 30 ICU admissions (0.3%)
- 1 death (0.009%)

[Government of Canada](#)

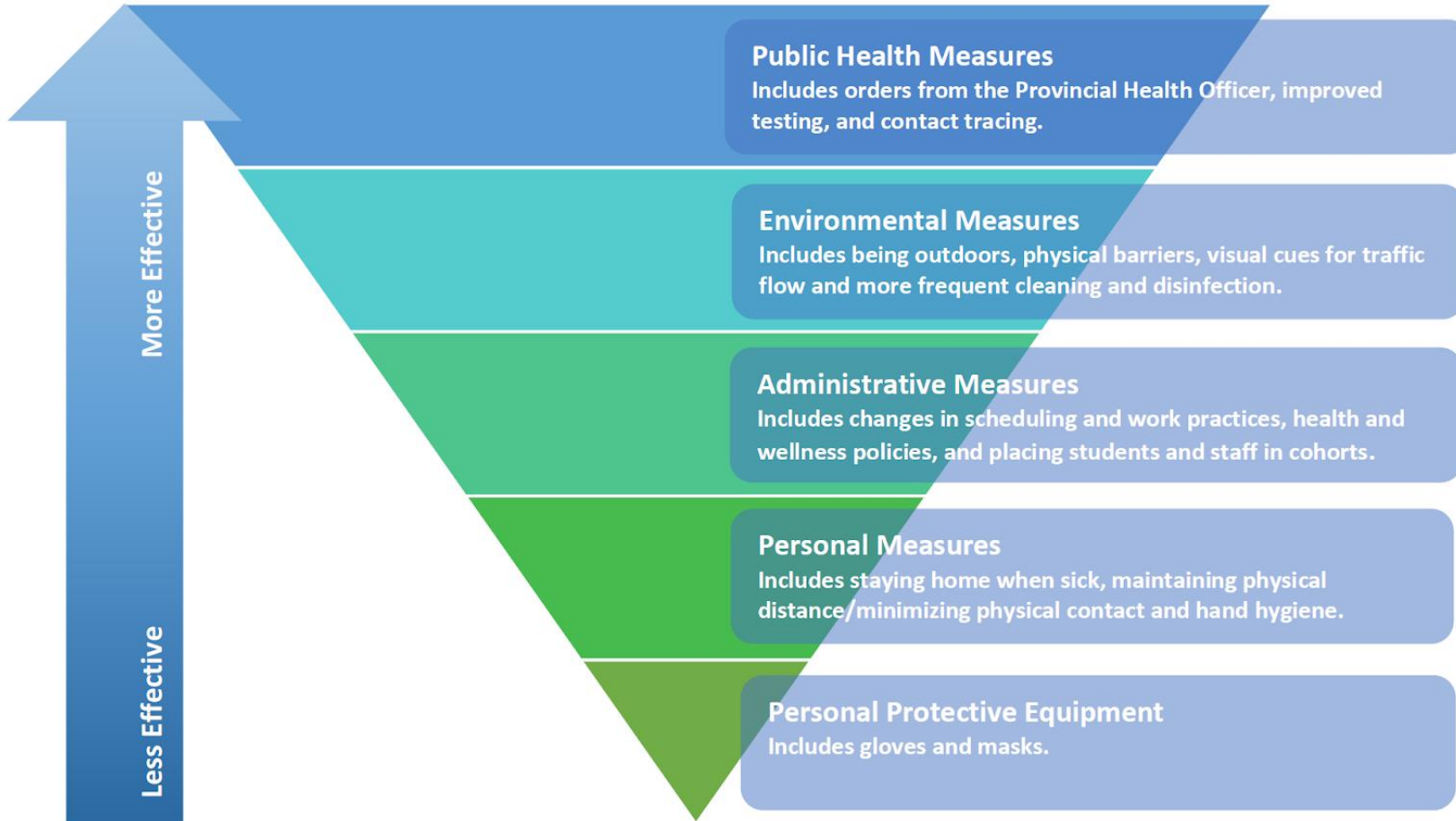
Infection Fatality Rate (IFR)

- 0-9: 0.002% = 1 in 50,000
- 10-19: 0.007% = 1 in 14,000

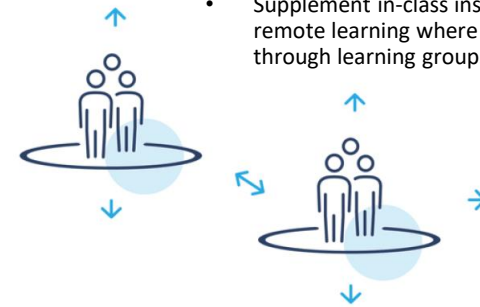
[Public Health Ontario](#)

# K-12 Stage 2: Key Points

## The Hierarchy for Infection Prevention and Exposure Control Measures for Communicable Disease



- Reduce # in school to enable physical distancing
  - Consider alternative learning modalities, off-campus learning
  - Supplement in-class instruction with online, self-directed, or remote learning where course offerings cannot be delivered through learning groups and physical distancing



Ministry of Education

- “required for staff, middle and secondary students in high traffic areas such as buses and in common areas such as hallways, or anytime outside of their learning group whenever physical distancing cannot be maintained”
- Have on hand in case become ill
- Masks are to be made available and provided upon request

# K-12 Stage 2: Timeline

- June: Stage 3 of K-12 Restart Plan starts
- July 29: release of updated BCCDC COVID-19 Public Health Guidance for K-12 School Settings
- August 10: release of September Return to School Planning & Reporting Template
- August 17: release of updated K-12 Operating Guidelines for COVID-19 and final Steering Committee materials (BC Ministry of Education)
- August 17-21: finalize Restart Plans and submit to Ministry of Education
- August 21-26: review of Restart Plans by Ministry of Education
- August 26: final Restart Plans posted online (SD 68 [available here](#))
- September 8: stage 2 of K-12 Restart Plan starts



# Support from Island Health

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School Health Officer (Medical Health Officer)


Environmental Health

Communicable Disease Control

Public Health

# Island Health Resources

- Communication to staff
  - What to do if students/staff develop symptoms
  - Contacts (MHO, Communicable Disease, Environmental Health)
- Communication to parents and students
  - Daily health check sheet (Island Health specific)
  - Contacts (Call Centre, BCCDC info line)



## Daily Student COVID-19 Health Check

Version 1

Use this tool, or the online tool at [bc.thrive.health](https://bc.thrive.health), every morning before sending your child to school.

Is your child self-isolating because they are a COVID-19 case or a close contact to someone with COVID-19?

↓ YES → continue to self-isolate until told by public health that isolation can be stopped  
NO ↓

Has your child returned from travel outside of Canada in the last 14 days?

↓ YES → continue to self-isolate until 14-days after return to Canada, seek testing if symptoms develop  
NO ↓

Screen your child for the following symptoms (exclude if related to a pre-existing condition like allergies)

Symptom	SELECT ONE	
Fever (unusually hot to touch, temperature of 38C/100.4F or higher) or chills	YES	NO
Cough (new cough or worsening of chronic cough)	YES	NO
Runny or stuffy nose	YES	NO
Muscle aches	YES	NO
Fatigue (unusual tiredness)	YES	NO
Sore throat	YES	NO
Shortness of breath	YES	NO
Loss of sense of smell or taste	YES	NO
Gastrointestinal (abdominal pain, loss of appetite, diarrhea, nausea, or vomiting)	YES	NO
Headache, dizziness, or confusion	YES	NO
Conjunctivitis (pink eye)	YES	NO
Skin rashes or discolouration of fingers or toes	YES	NO

IF ANY ARE PRESENT
IF NONE ARE PRESENT

1. Do not send your child to school.
2. Call 1-844-901-8442 (Island Health COVID-19 Testing Call Centre) to book an appointment for your child to be tested. Note: while awaiting a test result, household members **who do not have symptoms** do not need to isolate unless told to isolate by public health
3. Isolate your child (have them stay home and away from others as much as possible). Further guidance will be provided when your child is tested.
4. Contact your child's health-care provider or 8-1-1 if concerned that your child is unwell, or if concerned that they may have another illness (for example, an ear infection or a

Child may proceed to school

COVID-19 Resources:

BC Centre for Disease Control  
[bccdc.ca](https://bccdc.ca)  
 1-888-COVID19 (1-888-268-4319)

Island Health  
[islandhealth.ca](https://islandhealth.ca)

# Scenarios

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1. Student with symptoms at home
2. Student with symptoms at school
3. Staff case
4. Student case
5. Multiple cases, multiple areas



Appendix 4: COVID-19 outbreak management in school and daycare settings [link](#)

# Discussion

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Mike Benusic MD MPH CCFP  
Medical Health Officer, Central Island