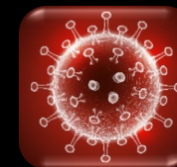


Jia's COVID-19 Update

Hope you all had a nice summer 😊

Dr. Jia Hu
August 24, 2020



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BACK TO SCHOOL

DISCLOSURES



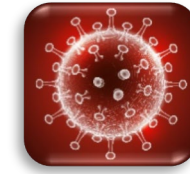
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Dr. Jia Hu

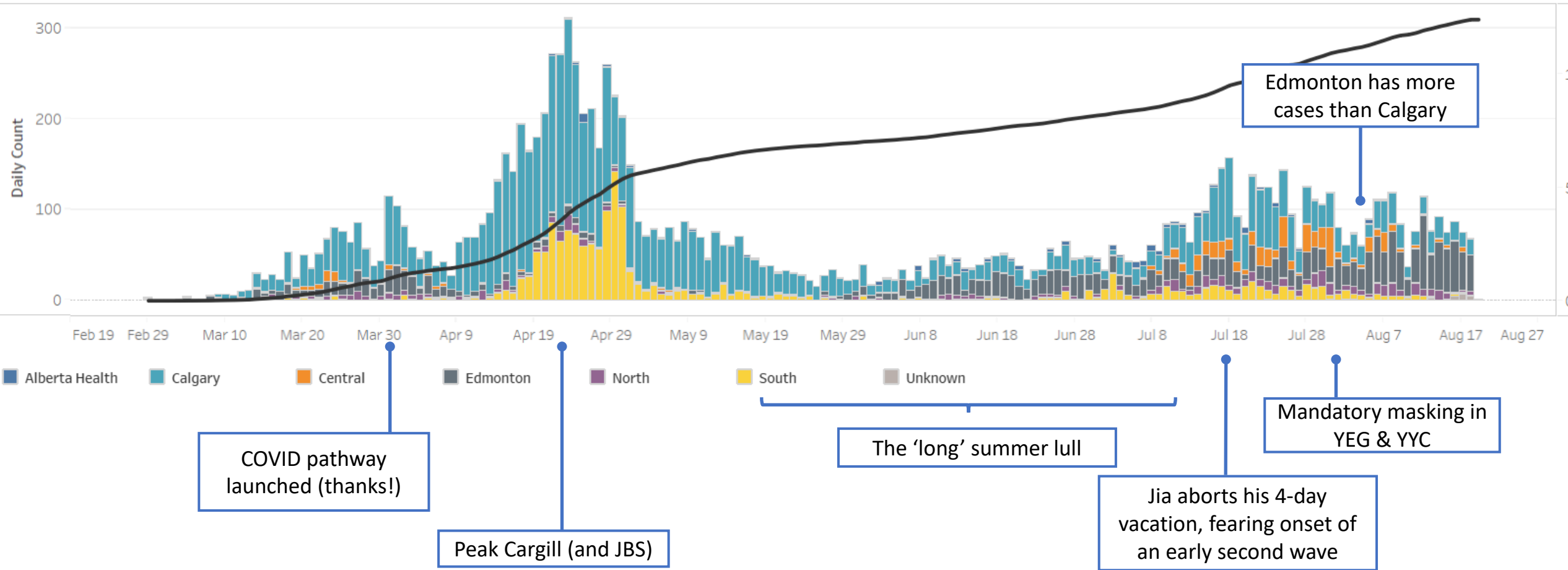
- Medical Officer of Health – Alberta Health Services
- PHARMA – none
- No disclosures

WHAT HAPPENED?

JIA HU

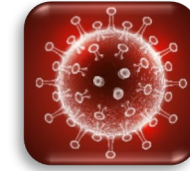


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HEADING INTO FALL

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Calgary

Alberta family says it took 8 days to hear from contact tracers after positive COVID-19 tests

Alberta Health Services says it's making every effort to contact people with COVID-19 in a timely manner

[Sarah Rieger](#) · CBC News · Posted: Aug 16, 2020 5:00 AM MT | Last Updated: August 16

CANADA

COVID-19 outbreak at Calgary's Ride Cycle Club now linked to over 40 cases



By [Melissa Gilligan](#) · Global News

Posted July 24, 2020 2:23 pm · Updated July 24, 2020 11:37 pm

Alberta schools set to open full time this fall, amid recent surge in COVID-19 infections

[CAROLINE ALPHONSO](#) · EDUCATION REPORTER
PUBLISHED JULY 20, 2020
UPDATED JULY 21, 2020

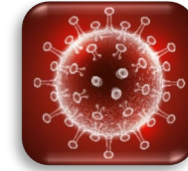
TRENDING

1 Deputy Prime Minister Freelan

- Contact tracing backlogs – improvements in flight, unclear cumulative effect
- Outbreaks associated with Gen Z / millennial hangouts (bars, spin studios) & no plans dialing back reopening
 - ~70% of cases are in people aged 10-39 in August
- Full-time school re-opening, which may be unique in Canada **[over to you, Joanne Pitman]**

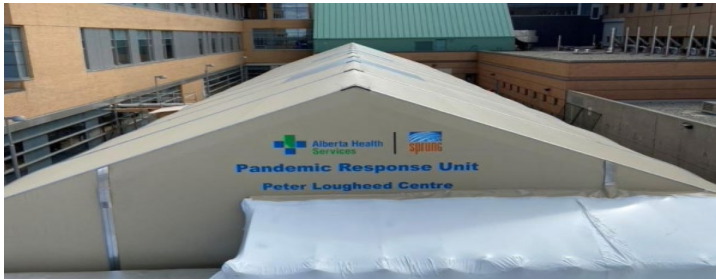
WE ARE IN A BETTER SPOT THAN BEFORE...

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Orpyx® and Fidelity Announce Partnership to Manufacture Personal Protective Equipment



Moderna to start final testing stage of potential coronavirus vaccine in July

JULIE STEENHUYSEN
CHICAGO
REUTERS
PUBLISHED JUNE 11, 2020

TRENDING

1 Deputy Prime Minister Freeland to replace Bill Morneau as Finance

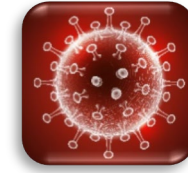
Alberta had hundreds of 'excess' deaths as COVID-19 struck province: Stats Canada

Jason Herring
Aug 15, 2020 • Last Updated 2 days ago • 2 minute read

- Remember when people were worried about having enough PPE? Large-scale medical mask production in Calgary is now online
- Acute care capacity back to 'normal', but in Wave 1 we had plans to 4x capacity (thanks MEOC)
- Multiple vaccines in Phase 3 trials; Phase 1/2 trials demonstrate high B/T-cell immunogenicity
- ~640 excess deaths in Alberta between Feb-May; but only 146 COVID-19 deaths – all-in-all, we did quite well in Alberta

PUBLIC HEALTH COVID-19 101

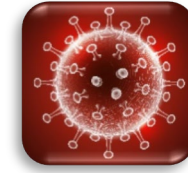
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There has been significant confusion about these two periods – so please, please remember – any questions? Email phc@ahs.ca

- Cases should isolate for 10 days or when symptoms end, whichever is longer
 - This is from the fact that live virus has not been found 8 days after Sx onset
 - Clearance swabs are **almost never required**
 - Once a case has cleared, effectively consider immune (can't get COVID-19, can't give COVID-19)
- Contacts should isolate for 14 days from when they last interacted with an infectious case
 - 14 days comes from the incubation period – **testing negative during the incubation period DOES NOT negate the isolation period**
 - If you live with a case, if you can isolate from that case (i.e., not see them) your isolation period starts when you last saw the case; otherwise it's until they stop being infectious (so 10+14 days)
 - For those with children, a COVID+ teenager may be able to isolate from parents, a COVID+ infant not so much (but perhaps could only see one rather than both parents)



- **PCR Testing**

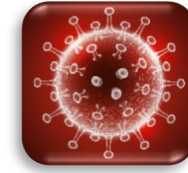
- Generally quite sensitive if patient is symptomatic and within the first ~5 days of symptoms; after this it begins to taper off
- Note: Does not assess for 'live' virus (which is what makes someone infectious) – options for live virus testing are very limited
- Limited rapid testing is available, generally not in the community

- **Serology Testing**

- APL uses Abbott assay – quite sensitive after ~3 weeks and also specific
- Currently requires MOH or Lab approval; limited clinical application so almost never going to be used in community

COVID-19 101 – LOGISTICS

JIA HU

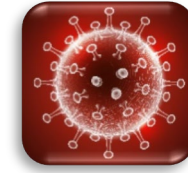


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- **Testing turnaround time and access – 811 or online tool to book**
 - Attend swabbing centre (now minimal delays in Calgary since drivethrough Stampede ground opened)
 - Lab processes sample – clerical (some delays as they look to hire more clerks)
 - Lab runs sample (minimal delay)
 - Result gets reported (some delays – tell everyone to get <https://myhealth.alberta.ca/myhealthrecords>)
 - Negative tests
- **Isolation hotels:** If a case is unable to isolate from household contacts and wants an isolation hotel, email MOHCOVIDYYC@ahs.ca (this is monitored by public health residents)
- **Other isolation supports:** If people need support to isolate (e.g., financial support, food, transportation, etc.) please let your friendly PCN know

PROJECTS OF INTEREST

JIA HU



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Contact tracing app(s) – now we have ABTraceTogether and federal ‘COVID Alert’ which only works in Ontario but I hope will expand across Canada; in discussions to work together, lots of politics involved



Primary Care COVID Pathway improvement – recently awarded ~\$400K to improve the COVID pathways, so if people have any suggestions, please contact us (Rick, me)



‘Behaviour Change (the last vestige of the desperate) Study’ – Obtain deep behavioural insights to change COVID-19 behaviours (e.g., stay home when sick, download app, get vaccine, mask, avoid bars, etc.) and launch large-scale marketing campaign from top-tier agencies (think Coca-Cola, Juul, De Beers, etc.) since normal gov’t PSAs can be bland and ineffective

- Funded \$400K from Alberta Innovates but I am actively fundraising to take the project national, and maybe into the U.S. since no one appears to be doing this