

If there's only one thing you remember (1)

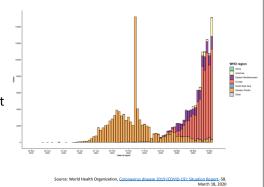
- Containment strategy rests on 3 pillars
 - Lab capacity that allows for aggressive testing (ideally test all ILI)
 - 2. Accessible testing w/ low TAT (assessment centres, China's TAT was ~4 hrs)
 - 3. Case & Contact follow-up of every single case
- Easy to give up on this strategy as work will increase dramatically, but consequences of failure are dire
 - Italy 0.05% infected causes health system collapse and ++ deaths OR China – economic shutdown (Q1 growth of -10%)

If there's only one thing you remember (2)

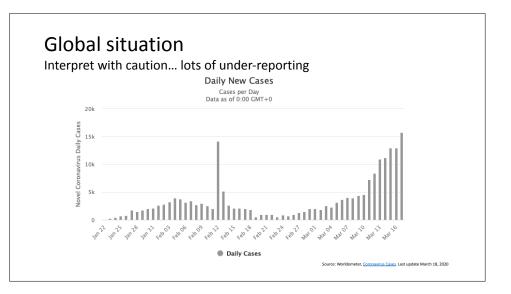
- We are on a wartime mobilization (consequences of failure are similar to losing to war)
 - Assuming 50% infection rate and 1% mortality = 150,000 Canadian deaths, economic losses of ~\$3 trillion currently
- At the peak of China (Wuhan's outbreak) ~10,000 people doing public health follow-up
- While this sounds like a lot, it is a small sliver of societal resources

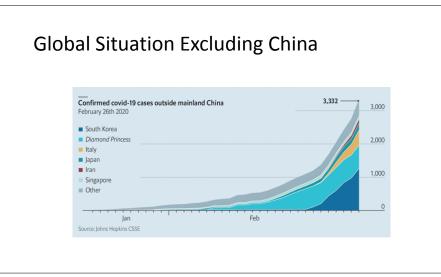
Preliminary characteristics of COVID-19

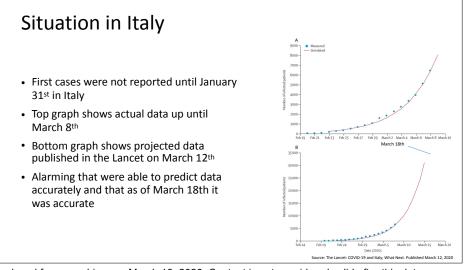
- Statistics as of March 18 15:00
 - Confirmed cases: 191,127
 - Deaths: 7, 807
- Incubation period: 5-6 days
 - Range: 0-14
- Transmission: contact and droplet
- Case fatality ratio varies across region but approx 1-3%, 5% ICU, 10-15% hospitalization



The situation in China • Key lesson: At one point China had ~4000 new cases/day, now <10; • Korea: Another country that had ~1000 new cases/day, now <100 • What's concerning is that we are still seeing exponential increases in other countries ### Description of the Country of Total Recourse of







Situation in Canada

- 621 Cases in Canada, 74% are travelers and 11% are people in close contact with travelers
 - Over 15 000 people tested in Alberta (+++ more risk assessments)
- Fever and/or cough or shortness of birth, AND within 14 days prior to illness onset, one of:
 - · Travel outside Canada
 - Close contact with a confirmed or probable case
 - · Close contact with symptomatic person with travel history
 - Lab exposure to biological material
 - If someone meets these criteria:
 - · Immediately isolate and call Health Link/consult the Zone MOH

ource: Public Health Agency of Canada, Coronavirus disease (COVID-19): Outbreak update. Last updated March 17th

Situation in Canada

Province, territory or other	Number of confirmed cases	Number of probable cases
British Columbia	186	0
Alberta	97	0
Saskatchewan	2	14
Manitoba	15	0
Ontario	212	0
Quebec	94	0
Newfoundland and Labrador	0	3
New Brunswick	2	9
Nova Scotia	3	9
Prince Edward Island	1	0
Repatriated travellers	9	0
Total cases	621	35

Source: Public Health Agency of Canada, Coronavirus disease (COVID-19): Outbreak undate. Last undated March 17th

Situation in Alberta

Cases

- 97 cases
 - Calgary (65%)
 - Edmonton (24%)
 - North (6%)
 - Central (3%)
 - South (1%)

Hospitalized – 5 cases

ICU – 3 case

Covid 30 feets performed by selected country and province Tests per 100,000 population, lister a available date Behavior Alta. Norwey 140 Stovenie 140 Stovenie 141 Stovenie 140 Stovenie 140

Situation in Canada

- 569 Cases in Canada, 74% are travelers and 11% are people in close contact with travelers
 - Over 15 000 people tested in Alberta (+++ more risk assessments)
- Fever and/or cough or shortness of birth, AND within 14 days prior to illness onset, one of:
 - Travel outside Canada
 - Close contact with a confirmed or probable case
 - Close contact with symptomatic person with travel history
 - Lab exposure to biological material
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ource: Public Health Agency of Canada, Coronavirus disease (COVID-19): Outbreak update. Last updated March 17t

Isolation in Alberta

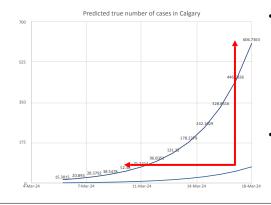
- Self-Isolation For Travelers
 - · Returned on or after March 12
 - Self-isolate and monitor for symptoms for 14 days
 - Returned before March 12
 - Self-isolate if came from Italy, Iran, the Hubei Province of China or the Grande Princess Cruise ship for 14 days
 - · Monitor for symptoms
- If Symptomatic
 - · Self-Isolate and call Public Health 811
- If Close Contact of (+) case
 - · Self-isolate for 14 days

Other Recommendations

- March 17th: AB state of public health emergency
- · Postponing scheduled and elective surgeries
- No mass gatherings > 50 people
- Schools, daycares, public recreational facilities and private entertainment facilities closed
- · Limited visitation to Long-term care facilities
- Practical Tips
 - · Tell people to use the assessment tool first
 - Call Health Link at 811 as it is being used as triage to keep people at home, decrease healthcare burden, minimize risk
 - Testing centres all over city to allow for centralized system

Source: Public Health Agency of Canada, Coronavirus disease (COVID-19): Outbreak updat

Calgary Projections (Church & Naugler)



- Overall lag time between infection and lab confirmation estimated to be 7 days (5.2 day incubation & lab TAT 2 days – maybe longer)
- Means today we are seeing situation 7 days ago