**Transmission In School Setting**

* Our questions might be too broad
  + We will use a transmission tree to see each network later
    - This can be done to see mask effectiveness within each layer
      * school / home / community / workplace
* Mask vs no masks testing will also include
  + Did a scale up in testing occur from start date
    - If yes
      * when and by what %
        + This will be projected in

Cum\_cases

Cum\_sevear == admitted into hospital

Cum\_critical == admitted into hospital but will need a ventilator  
\* This topic is still being refined by the COVASIM team. Their not sure if it should be the other way around

* + What is the level of contact tracing at the moment here in Canada
    - 68% that we have noted in the table might be too high but is a good starting point
      * We need to find the bounds of this
        + Meaning if it started when did it improve over time and by how much did it improve
  + When looking at the effectiveness of masks in schools, 50% shows that masks are only being worn in secondary schools
    - Coverage != efficacy

**Discussion on scenarios**

* Overall we need to lessen our scenarios and focus narrowing our topic to one of these for the first analysis.
  + Look at overall Canada population
  + Look at transmission within Ontario Schools
  + Look at transmission in Ontario

**Discussing Cohorting**

* Jasmina and her team looked at doing co-horting in the sense of Half AM / Half PM
  + Overall this can be done by looking at a % of population in school
    - As well as lessening the transmission by 50% and mask efficacy by 50% because you have 50% of the population in at the time

**Discussion on Time line**

* Will students go back to school after the next break (march break) if not, when will students go back to school. When students go back to school is the ideal timeline we should work on for this analysis to make it most impactful

**Producing the model**

* Create 3 different branches in the Github to differentiate the 3 different studies that we want to create

**Looking at our study questions**

* What NPI’s will create less of a resurgence in cases overall
* What is the % of people whom are isolating after testing positive
  + When someone is tested positive, contact tracing is done to see whom they where in contact at what level is this at now

**Mask effectiveness in schools / community**

* Schools and community should be similar
* 3 different ways that we could look at this
  + Open schools No Masks with contact tracing – Baseline
  + Open schools with no masks
  + Open schools with masks
  + Open schools no masks only masks in community setting

**Creating the Analysis**

* Robin from the covasim team can help to build the transmission tree
* We will use a hybrid network for this
  + 1) We need to create a timeline for when we want this analysis
  + 2) To improve the current sim we have and get # of deaths to match
    - There is a variable called IFR (Real\_Death\_Probability)
      * Increase this value and see if it matches what we are seeing
  + Hospitalization data
    - Do we have this as well as what kind of hospitalization data do we have