School Re-opening Scenarios
Vaccine Modeling Assumptions

- **Vaccine Effectiveness**
  - 90% (after 4 weeks)

- **Vaccine Allocation for NM -> U.S. (starting mid December)**
  - Consistent with NM reporting

- **Prioritization Groups for the U.S.**
  - 1a: Healthcare workers; 1b: essential workers; 1c: 65+

- **Percent of Population Willing to Get Vaccinated**
  - 60% and 80% (only 16+)

- **Facemask/Social Distancing Effectiveness**
  - 80% for Phase 2 & 60% for Phase 3

- **Initial Conditions & Model Calibration**
  - Mid January

- **School Scenarios**
  - 80% attendance 5-days a week, hybrid (two non-overlapping cohorts of 40% each), closed (virtual learning)
So what?

- Reopening schools (post virtual or hybrid learning) at 80% capacity lead to secondary waves of infection

- Limited vaccine supply and time it takes to develop immunity, contribute to secondary waves of infection

- The hybrid and virtual learning scenarios significantly reduce disease spread and increase the impact of the vaccine

- Results are contingent upon people continuing to wear masks and maintaining social distancing within the community
Impact of Vaccine & School Options (Phase 3)

So what?
- Reopening schools (post virtual or hybrid learning) at 80% capacity lead to secondary waves of infection.
- Limited vaccine supply and time it takes to develop immunity, contribute to secondary waves of infection.
- The hybrid and virtual learning scenarios significantly reduce disease spread and increase the impact of the vaccine.
- Phase 3 assumptions will lead to more cases.
Cases Averted (Phase 2 vs Phase 3)

Cases Averted from Baseline (60% Vaccine Acceptance, Fewer Open Businesses)

Cases Averted from Baseline (80% Vaccine Acceptance, More Open Businesses)