

New Mexico School Reopening Modeling Scenarios

Prepared by Los Alamos National Laboratory

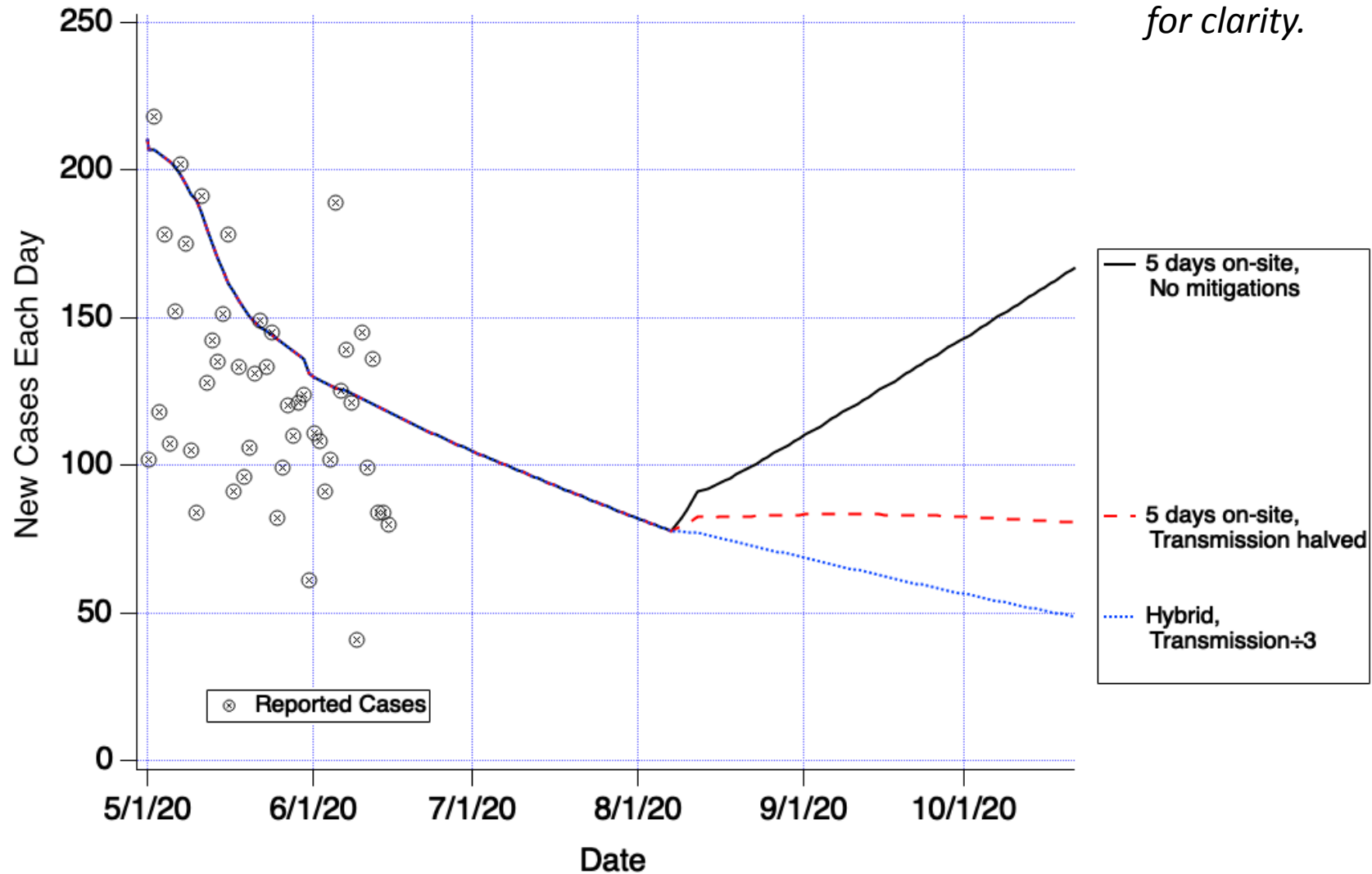
July 7, 2020

Modeling school opening in New Mexico

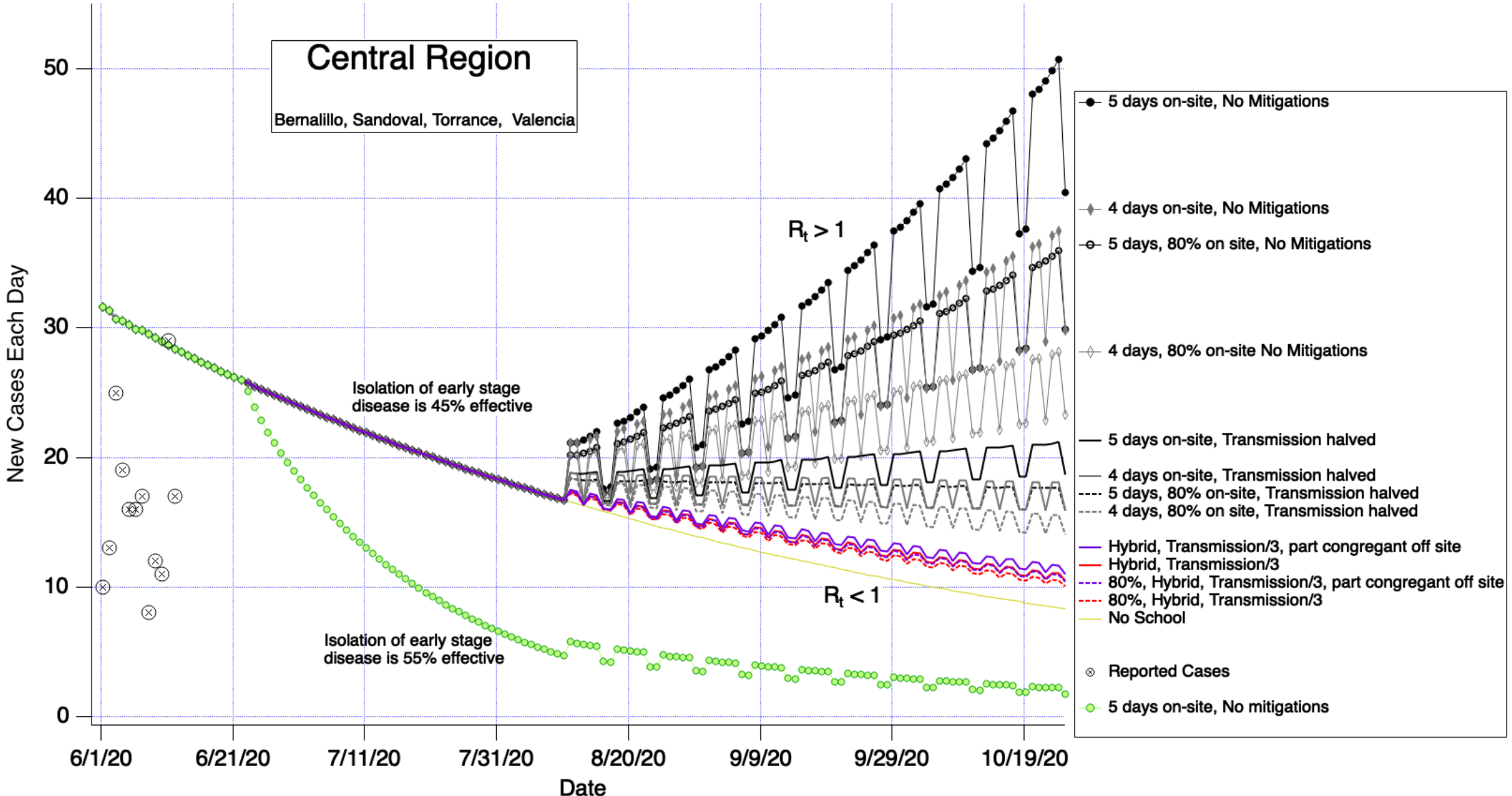
- Simulation started with a model of COVID-19 in NM, based on conditions through early June. Conditions in early-mid-June correspond to daily incidence less than 1:10,000.
- Well-fitting effective cloth masks are assumed to be worn by students, staff, and teachers for almost all simulations. (Only results marked “No Mitigations” do not make this assumption.)
- “Hybrid” scenarios refer to half of the students being in school buildings on Monday and Tuesday and the other half of the students being in school buildings on Thursday and Friday. Teachers and staff are assumed to be at school 4 days a week. It is assumed disease transmission at school is reduced by a factor of 3 over 2019 conditions due to masks and social distancing.
- “Part congregant” scenarios refer to 20% of the students who are off-site being in a congregant setting with transmission similar to that found in the schools.
- Almost all simulations assume that 45% of people with early stage COVID-19 disease are in highly-effective isolation or quarantine as a consequence of speedy contact tracing and other measures. The green curves assume that 55% of early-stage disease cases are in isolation or quarantine, and unable to transmit COVID-19.

Modeling NM School Reopening: Statewide

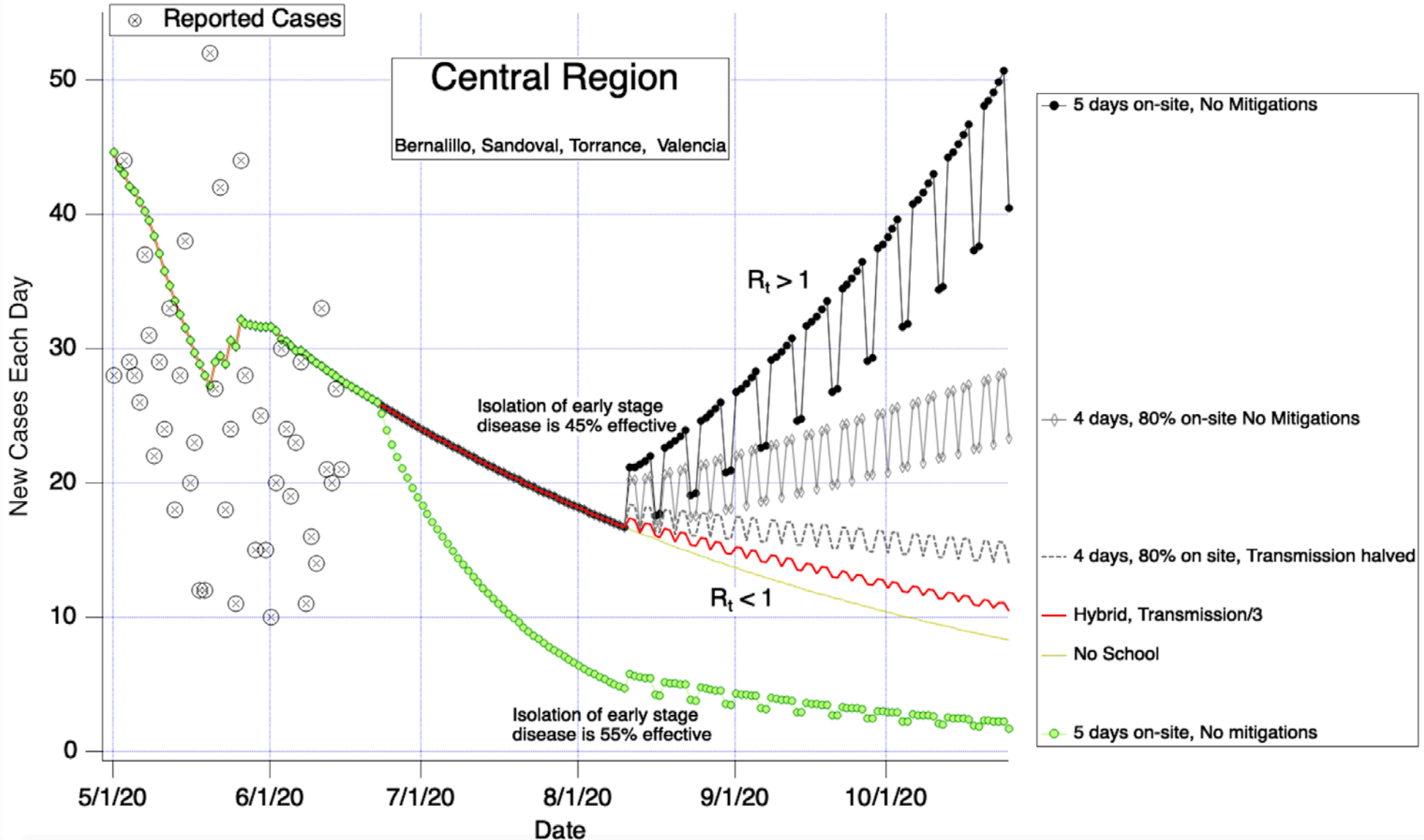
Results have been smoothed (7-day running average) for clarity.



Modeling NM School Reopening: Central Region (Bernalillo, Sandoval, Valencia & Torrance Counties)



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Dips in transmission occur on days when no one is in school buildings.