## Stopping the Spread of COVID-19: Coordination Between Schools and Afterschool Programs

Comparison of Schools That Coordinate Student Grouping with Afterschool Providers vs. Schools That Do Not Coordinate with Afterschool Providers
Typical First Grade - a class of 24 students grouped into 4 groups of 6 students each. $\quad$ represents students

Option 1: No Coordination

| Day 1 <br> School Day | MMMANBi | $2_{1}^{2} 2^{2} p_{1}^{2} 2_{1}^{2}$ |  | $94_{4}^{9} 944_{4}^{8}$ |
| :---: | :---: | :---: | :---: | :---: |
| Day 1 | 92 | …e......0 | 0 | $83 / 41^{2} / 38$ |
| After School | Mil 11 |  | $1{ }_{1} 11$ | $1{ }_{1}$ |

One child mixed with other first graders in the afterschool program can infect all school day groupings.

| Day 2 <br> School Day |  |  | O O O O | $0 \% 10 \cdots 0$ |
| :---: | :---: | :---: | :---: | :---: |
| Day 2 | \% \% \% \% | \% \% \% \% \% | \%\% \% \% \% \% | $06 \% \% \%$ |
| After School | 111 | 1111 | \#19 11011 | 11111 |

If even one student becomes ill, as shown by the : then without coordinated groupings every group is infected and the virus spreads to all 24 students and 4 teachers and 4 afterschool staff within days.

Option 2: Coordinated Groupings
Day 1
School Day

Day 1
After School


One child in a group that is maintained after school can infect only the one group during the school day.

Day 2
School Day
Day 2
After School
$0,1,1, a^{2} \sqrt{2}, i^{2}$





But if the groupings are coordinated and do not mix, then even if one student becomes ill, the exposure is limited to only the 6 students and 1 teacher and 1 afterschool staff.

