

Center for Disease Control and Prevention's

Indicators for Dynamic School Decision Making

Bob Mueller

Core Indicators

Measures of community burden

- The number of new cases per 100,000 persons within the last 14 days, **AND/OR**
- ~~The percentage of RT-PCR tests that are positive during the last 14 days, **AND**~~

Implementation of mitigation strategies

- The school's ability to adhere to the following key mitigation strategies
 - Consistent and correct use of **masks**
 - **Social distancing** to the extent possible
 - **Hand hygiene** and **respiratory etiquette**
 - **Cleaning and disinfection**
 - Contact tracing in collaboration with local health department

CDC indicators and thresholds for risk of introduction and transmission of COVID-19 in schools

| INDICATORS | Lowest risk of transmission in schools | Lower risk of transmission in schools | Moderate risk of transmission in schools | Higher risk of transmission in schools | Highest risk of transmission in schools |
|--|--|--|--|--|---|
| CORE INDICATORS | | | | | |
| Number of new cases per 100,000 persons within the last 14 days* | <5 | 5 to <20 | 20 to <50 | 50 to ≤ 200 | >200 |
| Percentage of RT-PCR tests that are positive during the last 14 days** | <3% | 3% to <5% | 5% to <8% | 8% to ≤ 10% | >10% |
| Ability of the school to implement 5 key mitigation strategies: <ul style="list-style-type: none"> • Consistent and correct use of masks • Social distancing to the largest extent possible • Hand hygiene and respiratory etiquette • Cleaning and disinfection • Contact tracing in collaboration with local health department Schools should adopt the additional mitigation measures outlined below to the extent possible, practical and feasible. | Implemented all 5 strategies correctly and consistently | Implemented all 5 strategies correctly but inconsistently | Implemented 3-4 strategies correctly and consistently | Implemented 1-2 strategies correctly and consistently | Implemented no strategies |
| SECONDARY INDICATORS | | | | | |
| Percent change in new cases per 100,000 population during the last 7 days compared with the previous 7 days (negative values indicate improving trends) | <-10% | -10% to <-5% | -5% to <0% | 0% to ≤ 10% | >10% |
| Percentage of hospital inpatient beds in the community that are occupied*** | <80% | <80% | 80 to 90% | >90% | >90% |

Balance Risk with Mitigation

If... a school is at "medium," "higher," or "highest" risk of transmission, **it does not mean that the school cannot re-open** for in-person learning, but that the risk of... transmission of SARS-CoV-2 is higher and the school could consider alternative learning models.

| INDICATORS | Lowest risk of transmission in schools | Lower risk of transmission in schools | Moderate risk of transmission in schools | Higher risk of transmission in schools | Highest risk of transmission in schools |
|------------|--|---------------------------------------|--|--|---|
|------------|--|---------------------------------------|--|--|---|

CORE INDICATORS

| | | | | | |
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| Zip Code | 91902 | | | 91910 | | | 91911 | | | 91913 | | |
|-------------|----------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------|
| Population | 17,656 | | | 83,925 | | | 84,640 | | | 50,913 | | |
| | Case Count (14-days) | 14-day Case Rate per 100,000 | Difference in Case Rate | Case Count (14-days) | 14-day Case Rate per 100,000 | Difference in Case Rate | Case Count (14-days) | 14-day Case Rate per 100,000 | Difference in Case Rate | Case Count (14-days) | 14-day Case Rate per 100,000 | Difference in Case Rate |
| 9/1 - 9/14 | 25 | 142 | | 155 | 185 | | 189 | 223 | | 58 | 114 | |
| 9/8 - 9/21 | 27 | 153 | 11 | 150 | 179 | -6 | 174 | 206 | -18 | 62 | 122 | 8 |
| 9/15 - 9/28 | 22 | 125 | -28 | 154 | 183 | 5 | 206 | 243 | 38 | 67 | 132 | 10 |
| 9/22 - 10/5 | 25 | 142 | 17 | 145 | 173 | -11 | 218 | 258 | 14 | 70 | 137 | 6 |

| 91914 | | | 91915 | | | 92154 | | | District | | | County | | |
|----------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------|
| 16,752 | | | 31,358 | | | 79,574 | | | 364,818 | | | 3,351,785 | | |
| Case Count (14-days) | 14-day Case Rate per 100,000 | Difference in Case Rate | Case Count (14-days) | 14-day Case Rate per 100,000 | Difference in Case Rate | Case Count (14-days) | 14-day Case Rate per 100,000 | Difference in Case Rate | Case Count (14-days) | 14-day Case Rate per 100,000 | Difference in Case Rate | Case Count (14-days) | 14-day Case Rate per 100,000 | Difference in Case Rate |
| 27 | 161 | | 35 | 112 | | 177 | 222 | | 666 | 183 | | | | |
| 39 | 233 | 72 | 52 | 166 | 54 | 172 | 216 | -6 | 676 | 185 | 3 | | | |
| 39 | 233 | 0 | 63 | 201 | 35 | 176 | 221 | 5 | 727 | 199 | 14 | | | |
| 26 | 155 | -78 | 62 | 198 | -3 | 204 | 256 | 35 | 750 | 206 | 6 | 3488 | 104 | |

| <p>Lowest risk of transmission in schools</p> <p>< 5/100,000</p> | <p>Lower risk of transmission in schools</p> <p>5 to 20/100,000</p> | <p>Moderate risk of transmission in schools</p> <p>20 to 50/100,000</p> | <p>Higher risk of transmission in schools</p> <p>50 to 200/100,000</p> | <p>Highest risk of transmission in schools</p> <p>> 200/100,000</p> |
|---|---|---|--|--|
|---|---|---|--|--|

Mitigation stances are best decided by a local workgroup that includes an epidemiologist.

- Consider resuming 5-day per week in-person learning for all willing students
- Physical distancing between students as practicable
- Maintain stable cohorts that do not mix
- Emphasize all other mitigation measures

- Consider if physical distancing at less than 6-feet would provide greater access to in person learning
- Consider allowing more regrouping of students as necessary for instruction

- Consider if physical distancing at less than 6-feet would provide greater access to in person learning
- Consider allowing limited regrouping of students as necessary for instruction

- Operate hybrid instruction
- Incorporate 6-feet between student desks
- Limit cohort size based on capacity of room with physical distancing
- Maintain stable cohorts that do not mix children
- Implement screening/entry procedures that maintain 6-feet

- Limit in-person learning and services to students with the greatest needs
- Use the Sept. 4 Cohort Guidance

Questions?

Bob Mueller

Duty Officer / Asst. Incident Commander
COVID-19 Emergency Operations
San Diego County Office of Education