November 9, 2020

Dover Public School District - Assessment of COVID-19 Metrics

	VIRTUAL LEARNING	PHASED IN OPENING FOR SPECIAL POPULATIONS*	HYBRID LEARNING
Hospital capacity (ICU headroom used)	High or critical risk (60-100%)	Medium risk (50-60%)	Low risk (0-50%) 9% of ICU headroom used
Trend in hospital capacity	Medium risk and increasing; High risk and increasing, stable, or decreasing;	Low risk and increasing; Medium risk and decreasing or stable;	Low risk and stable or decreasing
Cases per 100,000	High or critical case load (25+ per 100k)	Medium case load (10 - <25 per 100k)	Low or medium case load (<10 per 100k) NH: 13.4 per 100k Strafford County: 16.8 per 100k
Transmission rate	High risk (Rt >= 1.20) Rt = 1.26	Medium risk (1.00 < Rt < 1.20)	Low risk (Rt <= 1.00)
3-4 week trend in case load and transmission rate	Medium risk and increasing rates; High risk and increasing, stable, or decreasing rates	Low risk and increasing rates; Medium risk and decreasing or stable rates	Low risk and stable or decreasing rates
Testing availability	Difficult to get symptomatic testing; little to no asymptomatic testing	Symptomatic testing widely available; asymptomatic testing available for exposed	Symptomatic and asymptomatic testing widely available
Percent of tests that are positive	High risk (> 10%)	Medium risk (3-10% positive) NH: 4.0% Strafford County: 4.1%	Low risk (< 3% positive)
Time to test results	More than 48 hours	< 48 hours	<24 hours
Contact tracing	Insufficient (> 50% capacity) 10% capacity estimated	Insufficient (50-90% capacity)	Sufficient (> 90% capacity)

Our “new normal” can occur when there is a safe and effective vaccine, rapid and frequent surveillance testing, and/or effective treatment reducing the risk of mortality and morbidity to levels comparable to other common viruses.

* Small groups of students should be phased in, with at least three weeks with no increase to metrics and no evidence of transmission in the school before phasing in another group of students. A minimum of three weeks is needed to see the effects of the phase in (or any event that may increase transmission and case load).

This information is the interpretation of Megan W. Harvey, PhD, based on publicly available data available at the time of writing, for generalized population-level advice. Megan Harvey is not responsible for outcomes related to following or not following this advice.

Data Sources:

Publicly available data from NH:
https://www.nhpr.org/post/explore-data-tracking-covid-19-new-hampshire

COVID Act Now:
http://covidactnow.org/us/nh?s=983197

Rt COVID-19:
https://rt.live/us/NH

The COVID Tracking Project:
https://covidtracking.com/data/#state-nh

Harvard Global Health Key Metrics for COVID Suppression:
https://ethics.harvard.edu/files/center-for-ethics/files/key_metrics_and_indicators_v4.pdf