

# COVID-19 Data Review

## November 5, 2020

Dr. Maureen Reusche

# Current Data and Questions

- COVID-19 in the county and township
- Questions to ask before transitioning to virtual
- Our data and the sources of positive cases
- Mitigation strategies are working
- Mitigation strategies are **vital** important outside of school
- We are experiencing increasing staffing needs

# COVID-19 PA Monitoring Dashboard Delaware County

Updated on 10/30/2020

## Newly reported confirmed cases



Increased from 526 confirmed cases the previous seven days to 758 cases in the most recent seven days.

526

Previous 7 days

758

Most recent 7 days



## Incidence rate per 100,000 residents



Increased from a rate of 93.1 per 100,000 residents in the previous seven days to 134.2 per 100,000 residents in the most recent seven days.

93.1

Previous 7 days

134.2

Most recent 7 days



## PCR testing positivity rate



Increased from a PCR testing positivity rate of 4.8 percent over the previous seven days to 6.9 percent over the most recent seven days.

4.8%

Previous 7 days

6.9%

Most recent 7 days



## Average daily COVID-19 specific hospitalizations



Increased from 25.3 daily COVID-19 specific hospitalizations, on average, over the previous seven days to 40.1 daily COVID-19 specific hospitalizations, on average, over the most recent seven days.

25.3

Previous 7 days

40.1

Most recent 7 days



## Average daily COVID-19 patients on ventilators



Increased from 2.1 daily COVID-19 patients on ventilators, on average, over the previous seven days to 4.1 daily COVID-19 patients on ventilators, on average, over the most recent seven days.

2.1

Previous 7 days

4.1

Most recent 7 days



## Percent of hospital emergency department visits due to COVID-like-illness (CLI)



Increased from 0.8 percent of hospital emergency department visits in the previous seven days due to COVID-like-illness (CLI) in the previous seven days to 1.3 percent in the most recent seven days.

0.8%

Previous 7 days


1.3%

Most recent 7 days



Source: PA Dept of Health

# COVID-19 Delaware County

NOT District  
data.   
Community Data

Chester County and Delaware County Cumulative COVID-19 Incidence Rate by Public School District									
Published:10/30/2020									
Public School District	Population	Positive Test Count				Incidence Rate Per 100,000			
		Week 1	Week 2	Week 3	Week 4	Week 1	Week 2	Week 3	Week 4
Haverford Township SD	49,089	51	58	31	22	103.89	118.15	63.15	44.82

## Delaware County

### Cumulative Incidence Rate per 100,000

7 Day Period	Positive Case Count	Incidence Rate per 100,000	Additional Data
Week 1 (most current)	758	134.22	<a href="#">Public School District Incidence Rates</a>
Week 2	526	93.14	
Week 3	430	76.14	
Week 4	313	55.42	
Weeks 1-4 Average	506.75	89.73	

### Percent Positivity

7 Day Period	Positive PCR Tests Count	All PCR Tests Count	Percent PCR Positivity
Week 1 (most current)	826	12,225	6.76%
Week 2	569	12,186	4.67%
Week 3	474	12,310	3.85%
Week 4	344	11,224	3.06%
Total for All Weeks	2,213	47,945	4.62%

# Current Data and Questions

- Numbers Increasing - county and township
  - PA DOE and PA DOH concerned - may recommend virtual
  - CCHD - looking at the matrix to provide clarity
    - The period of time during which high numbers exist before moving to virtual
    - Data needed to return to hybrid
- Question we are seeking to understand:
  - What is the goal when moving to virtual
    - Bring the community numbers down or
    - Stop the spread at the school

# COVID-19 Delaware County

Consideration for transitioning between instructional models will be based upon the below thresholds as follows.

- Transitioning to a more in-person instructional model can be considered when thresholds for incidence rates and positivity are met for three (3) consecutive weeks per the table below.
- Transitioning to a more virtual instructional model can be considered when thresholds for incidence rates and positivity are met for two (2) consecutive weeks per the table below.

CCHD may be revising for schools.

Community Transmission	Incidence Rate per 100,000	AND/OR	PCR Test Positivity	Instructional Model
Low	<10	AND	<5%	In-Person
Moderate	≥ 10 and <40	AND	≥5% and <7%	Hybrid
High	≥40 and <80	OR	>7% and <10%	Virtual and/or Hybrid
Very High	≥80	OR	≥ 10%	Virtual

CCHD may be revising for schools.

If thresholds are being met in two different Community Transmission levels (incidence rate in one level and positivity in another level) the higher Transmission level is the recommended level.

# Current Data and Questions

- Our data - sources of positive cases - no in school transmission
  - Gatherings outside of school
  - Contact with family members
  - Club sports
- We have not closed a classroom
- We have not closed a building
- The in school mitigation strategies are working
- These same mitigation strategies are **vital** important outside of school

# SDHT COVID-19 Data Chart

## Number of In-School Positive Cases by Building\*

	Chatham Park	Chestnutwold	Coopertown	Lynnewood	Manoa	HMS	HHS	District Staff
Week of 10/5	0	0	2	1	0	N/A	N/A	0
Week of 10/12	0	0	0	0	0	1	N/A	0
Week of 10/19	0	0	0	0	0	3	4	1
Week of 10/26	0	0	0	0	0	0	0	0
Week of 11/2								

\* This number reflects those who were in the district building(s) during the contagious period.

\*\* District wide staff work in departments that support students across the district. Staff who work in one school would be attributed to that school's numbers.



# Current Data and Questions

- Increasing Staffing Needs
  - Due to COVID-19, substitute teachers have been exceptionally difficult to secure. Many parents who have traditionally served as substitute teachers are unable to work while their own children are learning from home in hybrid or fully-online.
  - School employees who may have “toughed it out” in previous years when they have felt under the weather have been instructed to stay home if they are not feeling well, causing a greater need for substitutes than usual.

# Staffing – availability of candidates has declined

## Decline in Enrollment in Teacher Preparation Classes

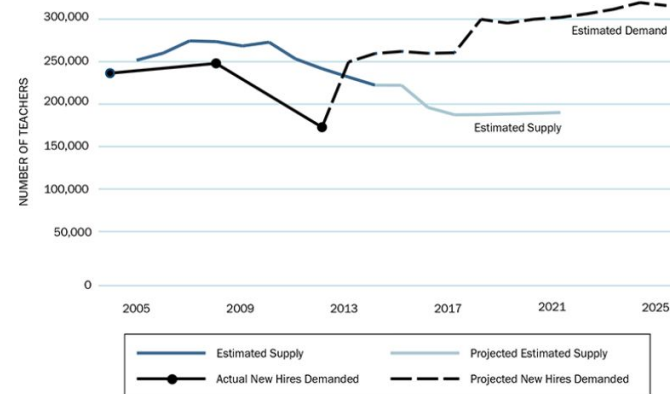
The Keystone State has a growing teacher shortage. Since 2012 the number of Level I instructional certificates issued in Pennsylvania has dropped by 74%.

## Why Is There a Growing Teacher Shortage?

Teacher demand is growing. If current trends continue, we will see about a 20% increase in annual teacher demand from 2015 levels, reaching 316,000 teachers per year by 2025.

Teacher supply is shrinking. If current trends continue, we would see as few as 200,000 available teacher hires each year by 2025, resulting in a gap of more than 100,000 teachers annually.

Figure 1. Projected Teacher Supply and Demand



Note: The supply line represents the midpoints of our upper- and lower-bound teacher supply estimates (see Figure 10 in the report for full analysis).  
Source: U.S. Department of Education, multiple databases (see Appendix A in full report).

# Equally concerning – staffing needs

- Website
- Social Media (Twitter, Instagram)
- Haverford Happenings
- Kelly Education: Per Diem Substitute Opportunities

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LONG-TERM SUBSTITUTE TEACHERS  
INSTRUCTIONAL ASSISTANTS  
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- Haverford SD** @haverfordsd Oct 12  
Haverford Township School District  
- Part-Time (.5) Elementary Reading  
Specialist:  
[haverford.tedk12.com/hire/ViewJob.](https://www.haverford.k12.pa.us/departments/human-resources)  
a...
- Haverford SD** @haverfordsd Oct 12  
Haverford Township School District  
- Grade 5 Elementary Long-Term  
Substitute Teacher:  
[haverford.tedk12.com/hire/ViewJob.](https://www.haverford.k12.pa.us/departments/human-resources)  
a...
- Haverford SD** @haverfordsd Oct 12  
Haverford Township School District  
- Instructional Assistant -  
Elementary:  
[haverford.tedk12.com/hire/ViewJob.](https://www.haverford.k12.pa.us/departments/human-resources)  
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