



COVID-19 and the District 200 Learning Experience Planning for the Road Ahead

**Board of Education
02.23.22**

Meeting Objectives

- **Review the tiers of COVID-19 mitigations**
- **Review the list of mitigations in our toolbox**
- **Analyze the shifts in the COVID-19 landscape**
- **Review the four key types of analytical data**
- **Analyze current and potential future data points to use for decision-making**
- **Discuss recommendations and determine next steps**



Two Tiers of Layered COVID-19 Mitigations in District 200

- **Universal Mitigations**
 - Applied daily across the district
 - Ongoing until conditions and data signal a change
- **Targeted Mitigations**
 - Applied to individual spaces as need is indicated by data
 - Applied as needed to protect vulnerable individuals
 - Continuum from less intrusive to more intrusive
 - Utilized for a finite period of time



Universal COVID-19 Mitigations

(applied daily and ongoing until conditions and data signal a change)

Universal mitigations that ***are not*** visible in daily school operations:

- Nightly ionization of air in all classroom spaces
- MERV-13 filters in all univents, changed at regular intervals
- Increased air changes (calibrated to room occupation and use of space)
- Investigation & targeted mitigation protocol



Universal COVID-19 Mitigations

(applied daily and ongoing until conditions and data signal a change)

Universal mitigations that *are* visible in daily school operations:

- **School exclusion/isolation protocol for students who are COVID-19 positive or sick**
- **Six-foot distancing at lunch (optional at HS)**
- **Assigned seats on buses for contact tracing purposes**
- **Optional COVID-19 testing through SHIELD**
- **Masks required on buses and other District transportation**
- **Contact tracing and family notification for in-school close contacts**
- **Test to Stay option for in-school close contacts**
- **Emailed principal letters for classroom cases (EC and Elementary)**



Removed/Suspended Universal COVID-19 Mitigations

Universal mitigations that *do* impact daily school operations:

Adjusted based on updated guidance

- Six feet of distancing in classrooms - Removed April 12, 2021
- Shortened length of isolation and quarantine - January 8, 2022

Removed based on evaluation of the TR0

- Required quarantine for close contacts - Suspended February 7, 2022
- Required universal masking - Suspended February 7, 2022
- Test to Stay requirement for in-school close contacts - Suspended February 7, 2022



Targeted COVID-19 Mitigations

Targeted mitigations that are applied to individual spaces as need is indicated by data; on a continuum from less intrusive to more intrusive; and are utilized for a finite period of time:

- Desks turned facing the same direction
- Increased spacing
- Utilizing the ionizer more than once a day
- HVAC utilization (thermostat, univent), air change, and filtration checks
- Humidification
- Testing cycle option for students in a common space who are not close contacts
- High quality masks provided to those who want them



**The landscape of COVID-19
continues to change.**



January & February - Key Differences

Factor	2021	2022
High-quality masks for individual protection	Scarce	Widely available
Vaccination for general population	None	Widely available for age 5 and up
Evidence-based Therapeutics	None	6 authorized by the FDA
Prevailing Variant	Original Wild-Type	Omicron

Dupage County Health Department Partnership

Recognition that school districts should consider a multitude of indicators when making decisions about mitigations:

- **Level of COVID-19 cases identified in students or staff within a school**
- **COVID-19 vaccination coverage in the community**
- **Strain on health system**
- **Use of testing program for students**
- **COVID-19 outbreaks or increasing trends in the school or surrounding community**



Focused Protection of Vulnerable Populations

- **Building teams will continue to evaluate individual needs for accommodations and healthcare plans.**
- **For those wanting focused protection, high-quality one-way masking offers protection for the wearer and is available to anyone who wants one.**
- **Continue to share information about vaccination and booster opportunities**



**Changes to
circumstances
& data**



**Changes to
risk / benefit analysis
(risk tolerance)**

Future Considerations

- **Data-based decisions about adjusting mitigations, prioritizing when possible the most impactful to students' school experience, should guide our practice.**
- **A purely case-based model does not fully reflect the complexity of the current situation. Multiple measures most accurately describe this complex situation.**
- **Given the constant shifts in the COVID-19 landscape, setting specific thresholds does not reflect the evolving nature of the virus. Evaluating all current data and other information in context allows the District to make agile and responsible decisions.**
- **It is important to consider the benefit to the social-emotional wellness and academic achievement of students that can be attained by reclaiming a normal school environment.**
- **There is a highly effective vaccine and other opportunities to provide focused protection for individuals.**



Four Key Types of Analytical Data

Data Type

Answers the Question

Descriptive

What is happening?

Diagnostic

Why did this happen?

Predictive

What could happen in the future?

Prescriptive

What should we do next?



Descriptive Data - What is happening?

Data Point	Source	Changes Signal the District to
District 200 case data by District, Level, & School	District 200 real-time internal dashboard	Prioritize time for data entry and specific investigations
Cases per 100,000 in District 200 Zip Codes	Northwestern Medicine	Closely monitor District 200 case data for targeted mitigations to individual spaces
Approximate Student Vaccination Rates	Calculated in-house using query results from iCare	Prioritize investigations and set thresholds for targeted mitigations to individual spaces
Hospitalization Data (ICU and non-ICU)	Northwestern Medicine	Check in with our local hospital partners to understand local experience

Diagnostic Data - Why did this happen?

Data Point	Source	Changes Signal the District to
Common space investigation findings	District 200 real-time internal dashboard, school line list reporting tools, secondary course schedule tools, interviews, and site visits as needed	Evaluate the need for additional mitigations in targeted spaces for a finite period of time

Predictive Data - What could happen in the future?

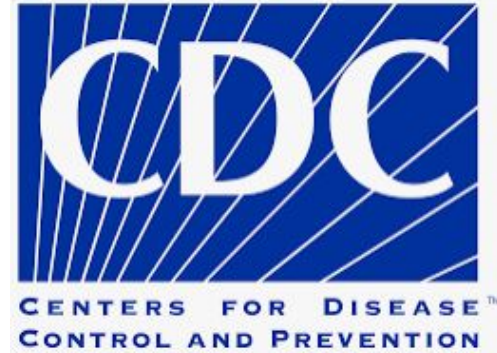
Data Point	Source	Changes Signal the District to
Variant Research	Centers for Disease Control World Health Organization Dupage County Health Department	Evaluate data sources and specific signals that are relevant in each.
Indoor Humidity	Calculated in-house using weather data and an online tool	Prioritize time for data entry and outbreak investigations

Prescriptive Data - What should we do next?

Data Point	Source	Changes Signal the District to
Classroom Safe Hours	MIT COVID-19 Indoor Safety Tool	Consider adjustments to universal mitigations
Results of targeted mitigations	Daily monitoring of all targeted spaces	Evaluate the need to adjust our list of targeted mitigations

Prevalent Variant* - February 16, 2022

World Health Organization Label	Omicron
Pango Lineage	B.1.1.529
Country of First Identification	South Africa
Transmissibility (versus Wild-type)	Increased
Severity (versus Wild-type)	Reduced



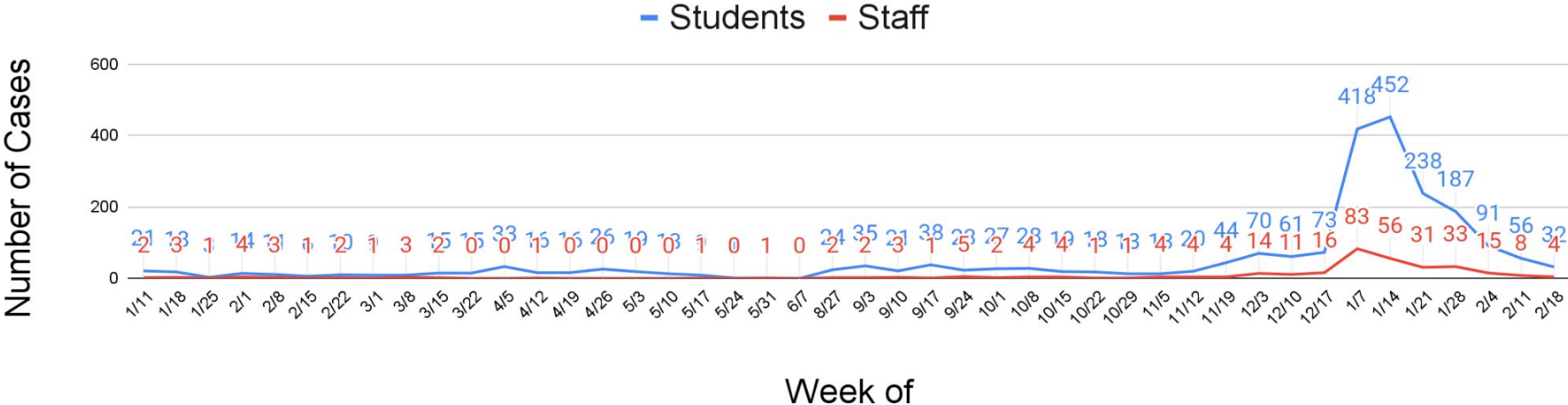
***There will be future variants, and the District will continue to keep apprised of information from health experts.**

District 200 New Cases per Week

(District 200 COVID Data Dashboard)

Current New Student Cases this Week: 32 (16 by noon 2/23)

Current New Staff Cases this Week: 4 (3 by noon 2/23)



District 200 Daily Public Data Snapshot

(District 200 COVID Data Dashboard)

Quarantine (Voluntary) & Case Data by School Level (End-of-Week Data)

District 200 COVID-19 Public Data Snapshot																									
This data will continue to accumulate:												February 12 - February 18, 2022													
Data Current as of												Friday, February 18													
	D200	EC/EI	MS	HS/Tr	WN	WWS	Trans	EMS	FMS	HMS	MMS	Bow	Em	Haw	John	Linc	Long	Low	Mad	PH	Sand	Wash	Whit	Wies	Jeff
TOTAL New STUDENT Positive Cases so far THIS WEEK	32	24	1	7	5	2	0	0	1	0	0	5	0	0	0	0	2	2	6	0	1	1	1	6	0
TOTAL New STAFF Positive Cases so far THIS WEEK	4	2	1	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
CURRENT Quarantines - IN-SCHOOL Close Contact	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CURRENT Quarantines - OUT-OF-SCHOOL Close Contact	2	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0

Positive case data on these snapshots continues to accumulate until the end of the week (Friday).

For example, if a school shows one new case on Tuesday and two new cases on Wednesday, that means there are two total new cases so far this week at that school.

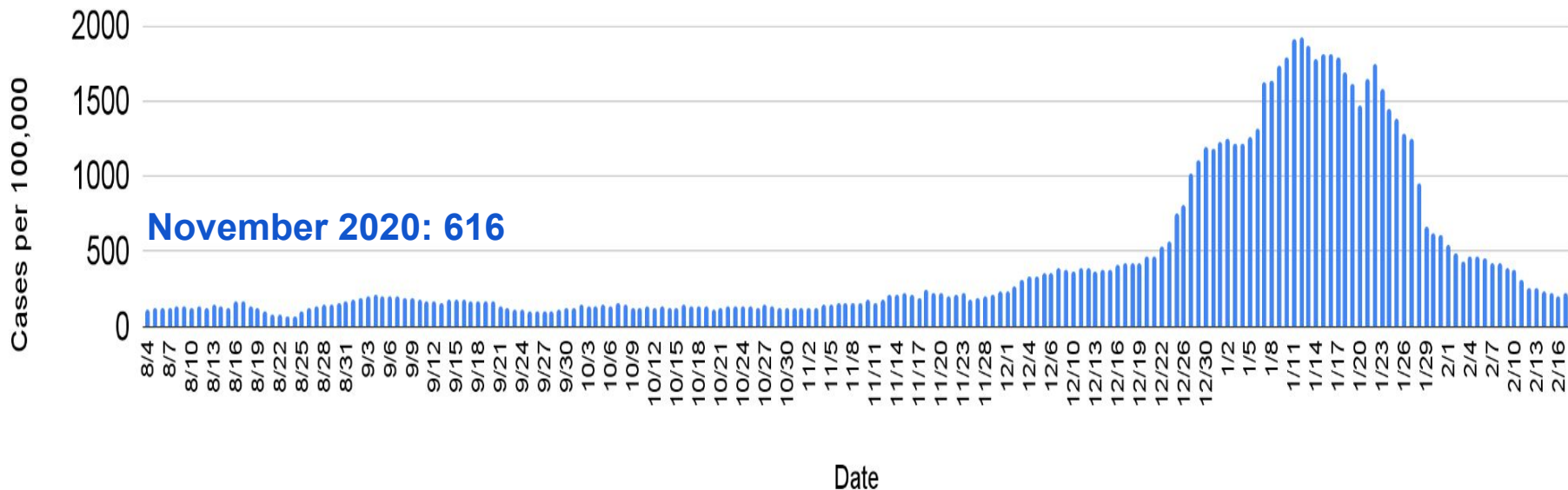
Quarantine data fluctuates constantly, as students begin quarantine and return to school on various dates. The district will continue to report the highest number of the week for each school.

Zip Code Cases per 100,000 Residents

(Northwestern Medicine COVID Dashboard)

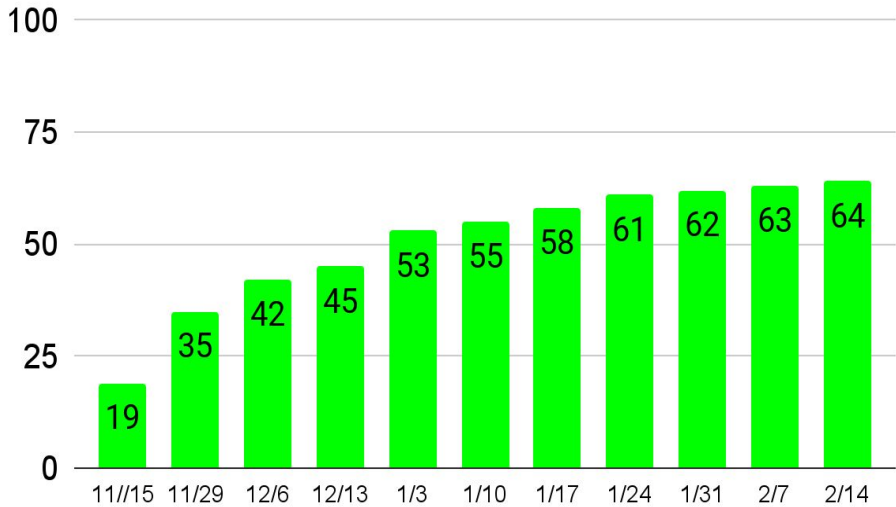
(Historical: DuPage County from Illinois Department of Public Health)

Most Recent Cases per 100,000: 186 (104 as of 2/22)

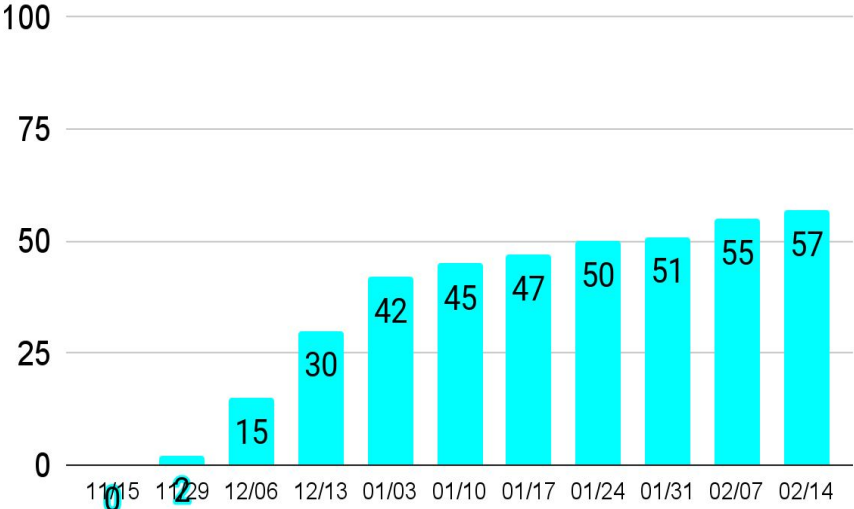


District 200 Approximate ELEMENTARY Student **Partial** & **Full** Vaccination Rates (Illinois Department of Public Health Database)

Elementary Percent PARTIALLY Vaccinated

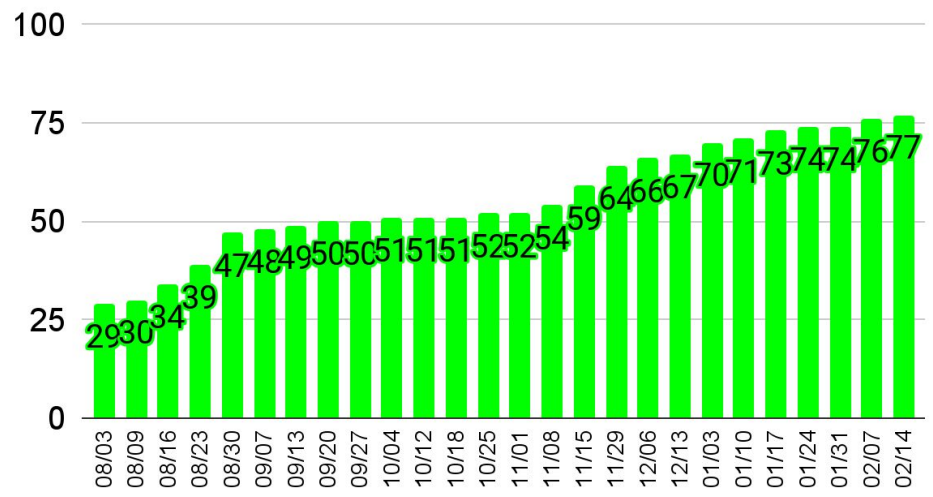


Elementary Percent FULLY Vaccinated

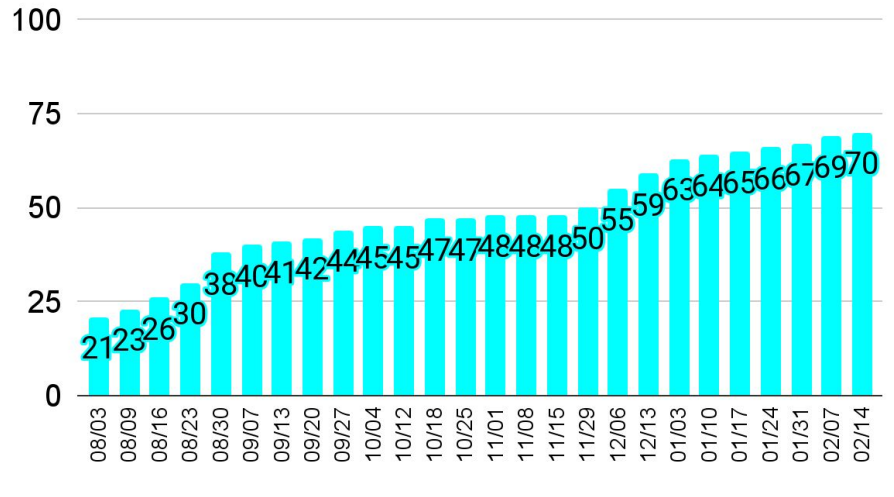


District 200 Approximate MIDDLE SCHOOL Student **Partial** & **Full** Vaccination Rates (Illinois Department of Public Health Database)

MS Percent PARTIALLY Vaccinated

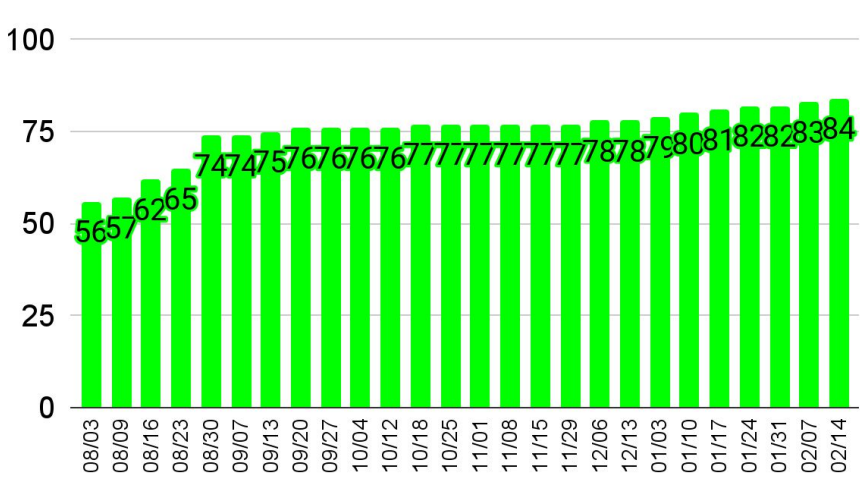


MS Percent FULLY Vaccinated

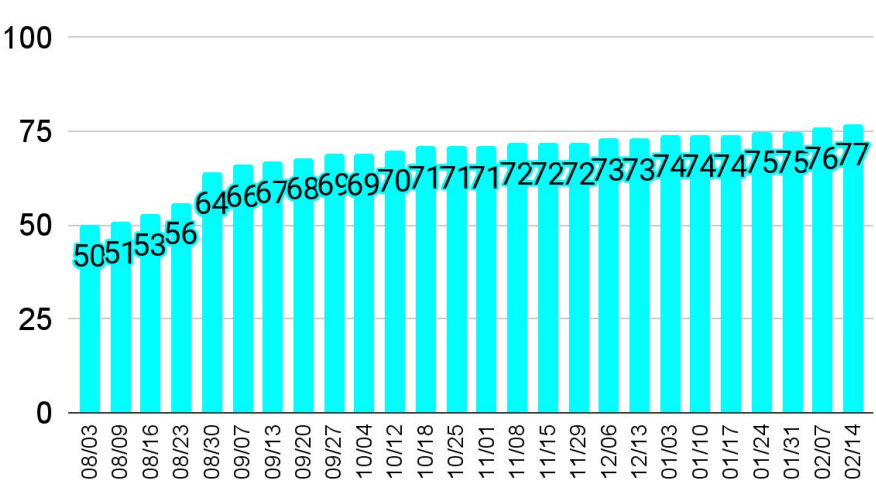


District 200 Approximate HIGH SCHOOL Student **Partial** & **Full** Vaccination Rates (Illinois Department of Public Health Database)

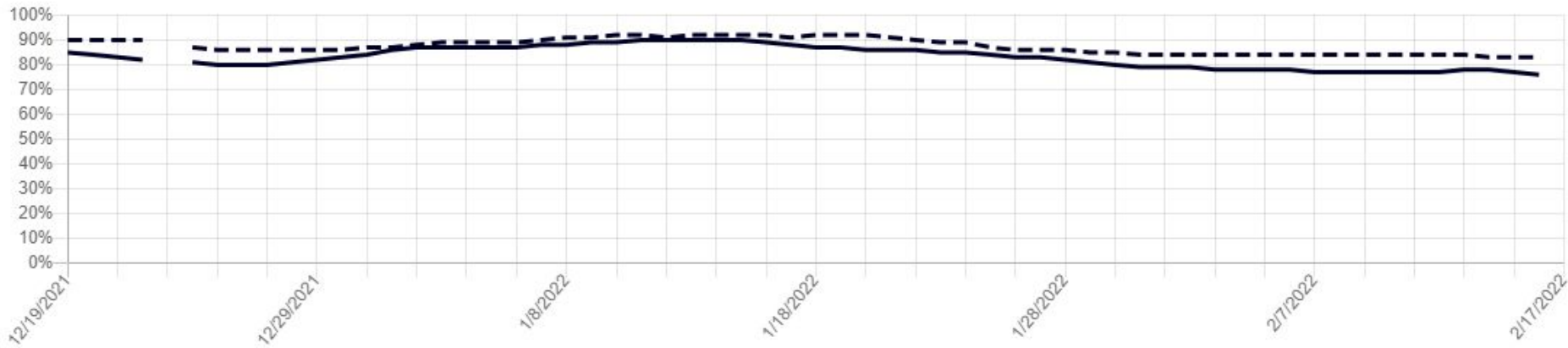
HS Percent PARTIALLY Vaccinated



HS Percent FULLY Vaccinated



Hospitalization: ICU and Non-ICU Bed Utilization (Solid - ICU; Dashed - Non-ICU)






Update as of 2/22: ICU bed utilization has decreased to 71%.

District 200 Safe Hours for School Environment

(MIT COVID-19 Indoor Safety Guideline Online App)

Week of February 14, 2021

Level	Meets or Exceeds 18 Hour Threshold*
Elementary/EC	
Middle School	
High School	

*The 18 hour threshold was based on our 2020 - 2021 data.

Summary

Changes to the landscape of COVID-19 and evaluating all current data and other information in context allow the District to make agile and responsible decisions (signals, not triggers)



Adjustments to universal and targeted mitigations and the way forward for our learning experience

Recommendations

- **The following mitigations that were suspended on February 7 be officially removed from our list of universal mitigations:**
 - **Required quarantine for close contacts**
 - **Required universal masking**
 - **Test to Stay requirement for in-school close contacts**
- **Continue to monitor the data points identified and report them publicly at Board Meetings to monitor for signals for future adjustments.**
- **Administrators continue to be empowered to implement targeted mitigations as needed in individual spaces or buildings.**
- **Future updates to joint guidance be reviewed and implemented as appropriate.**



Discussion

