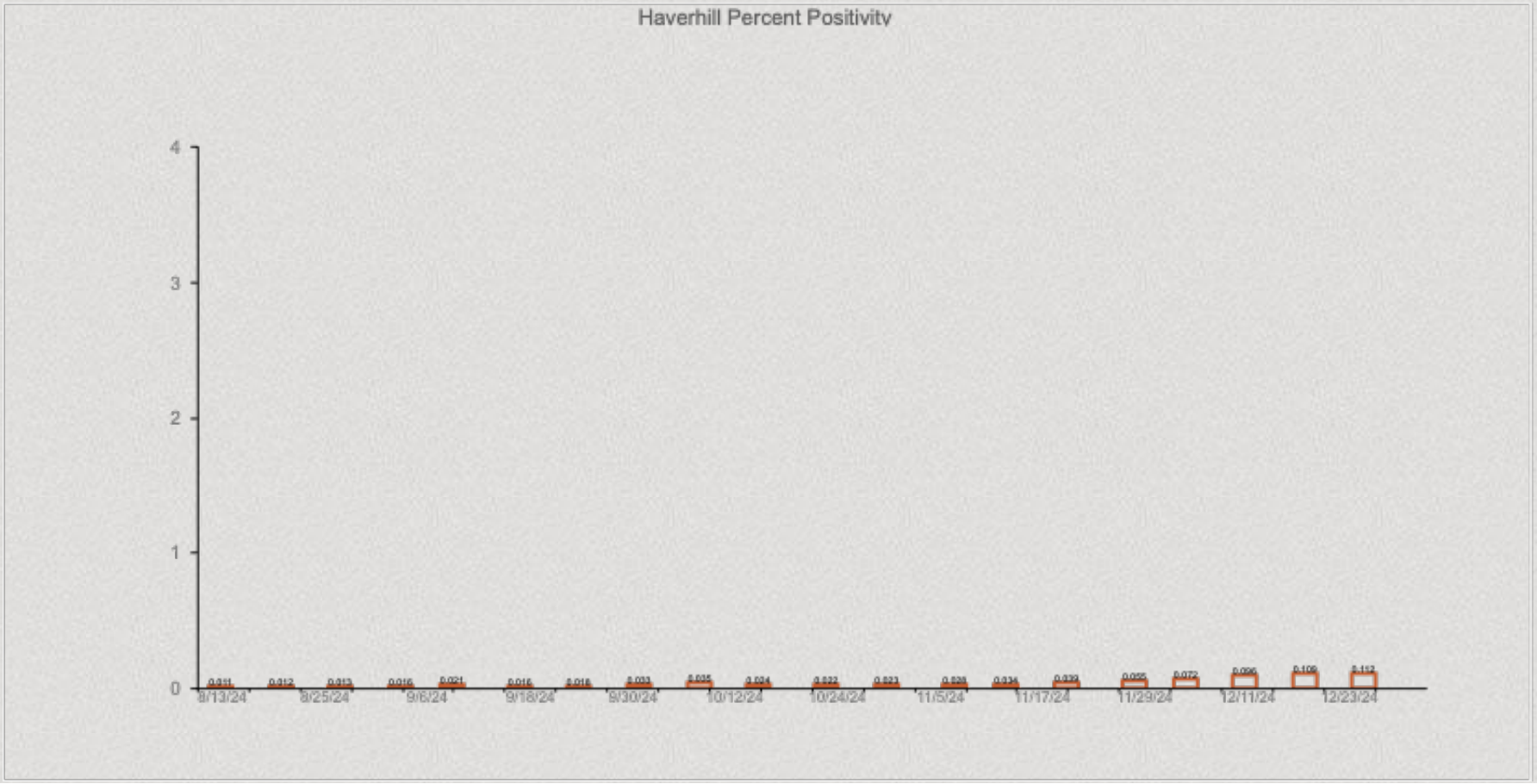
HPS School Committee
COVID Update 12/29/20

Forging a Path Forward


Haverhill Percent Positivity
4
3
2
1
0
8/13/24
8/25/24
9/6/24
9/18/24
9/30/24
10/12/24
10/24/24
11/5/24
11/17/24
11/29/24
12/11/24
12/23/24

Date	City/Town	Total Case Count	Case Count (Last 14 Days)	Average Daily Incidence Rate per 100,000 (Last 14 days) 1	Relative Change in Case Counts2	Total Tests	Total Tests (Last 14 days)	) Total Positive Tests (Last 14 days)	Percent Positivity (Last 14 days)	Change Percer Positivi
8/12/2020	Haverhill	1291	22	2.4	Higher	16826	2270	25	1.10%	No Char
8/19/2020	Haverhill	1306	27	2.9	Higher	18357	2549	30	1.18%	No Char
8/26/2020	Haverhill	1329	29	3.1	No Change	19725	2615	33	1.26%	No Char
9/2/2020	Haverhill	1361	43	4.7	Higher	21491	2800	46	1.64%	Highe
9/8/2020	Haverhill	1386	63	6.8	Higher	23731	3524	73	2.07%	Highe
9/16/2020	Haverhill	1404	50	5.4	Lower	26086	3703	61	1.65%	Lowe
9/23/2020	Haverhill	1445	52	5.6	Lower	28160	3732	66	1.77%	No Char
9/30/2020	Haverhill	1553	129	14	Higher	31031	4466	146	3.27%	Highe
10/7/2020	Haverhill	1628	184	20	Higher	34821	6075	210	3.46%	Highe
10/14/2020	Haverhill	1700	152	16.5	Lower	38857	7802	189	2.42%	Lowe
10/22/2020	Haverhill	1745	121	13.1	Lower	42349	7743	167	2.16	Lowe
10/29/2020	Haverhill	1811	111	12	Lower	45628	6622	150	2.27%	No Char
11/6/2020	Haverhill	1916	143	15.5	Higher	48952	6392	179	2.80%	Highe
11/12/2020	Haverhill	2027	199	21.6	Higher	52690	6813	231	3.39%	Highe
11/19/2020	Haverhill	2189	256	27.7	Higher	56769	7534	296	3.93%	Highe
11/27/2020	Haverhill	4634	406	44	Higher	61604	8541	466	5.46%	Highe

Joint Coronavirus Response Team

Cross stake-holder group meeting weekly across the school year to review data and weigh options

- Families
- School Committee Representation
- Union & District Leadership
- Teachers
- Medical Professionals

Grade	Total Positive	Total Students	Percent Positive
PreK	9	295	3%
K	11	493	2%
1st	18	586	3%
2nd	25	607	4%
3rd	21	659	3%
4th	24	640	4%
5th	20	640	3%
6th	24	710	3%
7th	31	681	5%
8th	31	706	4%
9th	22	545	4%
10th	21	446	5%
11th	21	418	5%

Grade Level	Positive Cases	Total Students by Band	Precent Positive by Band
PreK -4	108	3280	3%
5-8	106	2737	4%
9-12	84	1893	4%
SP>12	3	29	10%
Total	301	7939	4%

Likely In-school Transmission

		Unmasked
Staff to student	0	
Student to student	2	X
Student to staff	1	X
Staff to staff	8	
Bus	0	

CDC Pediatric COVID Update 12/15/2020

“We are learning more about COVID-19 every day. The information may be updated at any time, subject to change as the science evolves.”

- Between March and September 2020, children 12-17 were diagnosed with Covid about twice as often as children 5-11 years old, both groups consistently displayed infection rates significantly lower than those of adults.
- School staff have a cumulative infection rate (Aug- Nov) of 1.9% vs. 1.5% for the communities in which the schools are located.
- Revisions to CDC guidance were made on December 15, 2020 to include new information about COVID-19. Recent evidence suggests that compared to adults, children likely have similar viral loads in their nasopharynx, similar secondary infections rates, and can spread the virus to others.

https://www.cdc.gov/coronavirus/2019-ncov/hcp/pediatric-hcp.html

Student Mental Health Information

CDC publishes a study of Mental Health–Related Emergency Department Visits Among US Children During the COVID-19 Pandemic

Beginning in April 2020, the proportion of children's mental health–related ER visits increased and remained elevated. Compared with 2019, the proportion of mental health–related visits for children aged 5–11 and 12–17 years increased approximately 24%. and 31%, respectively.

Haverhill has been using the Columbia Suicide Severity Rating Scale, a brief, standardized research-supported risk assessment tool with our at-risk students for 3 years. Since covid

- The number of students screened is down – as we do not have access to the students
- The number of students identified as high risk is up

Community mental health providers are experiencing similar issues with accessing students and those they are able to treat are presenting with a higher acuity of need

CLASSROOM POOL TESTING.
A Tool in Moving Forward?

concentric by GINKGO

www.concentricbyginkgo.com

What is classroom pooling?

Why it matters:

Pooling will unlock scaled testing while at the same time dramatically lowering price.

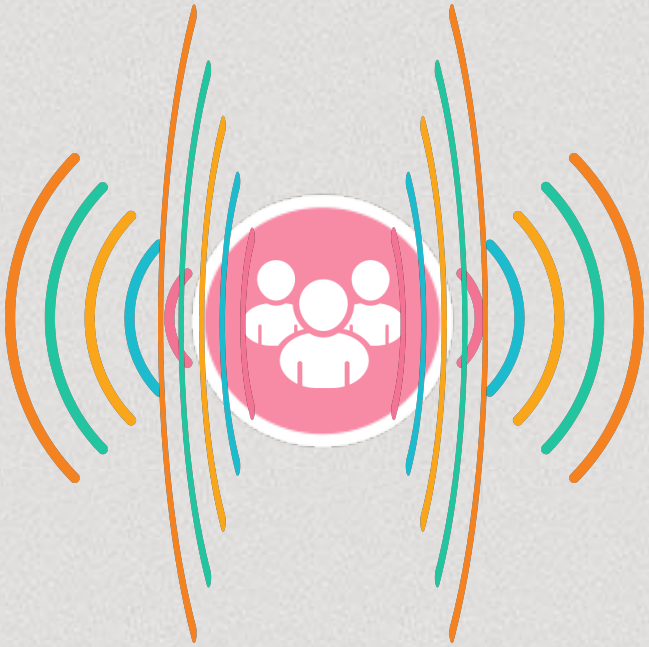
But what is pooling?

It's a method that combines samples from everyone in a classroom into one specimen that's then tested, allowing for increased testing capacity at lower costs.

What we're building:

Concentric is developing a classroom pooling service that will use Ginkgo's next-generation sequencing-based molecular test.

Concentric aims to build out a national network of labs for pooled sample processing.



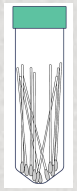
Concentric Pilot Program

What is the purpose of this pilot?

To collect swab Samples in order **to develop an investigational pooled COVID-19 Surveillance Test** for an opportunity to have **nationally accessible COVID-19 testing for K-12 schools.**

What we hope to learn

On site protocols that work at schools of all sizes

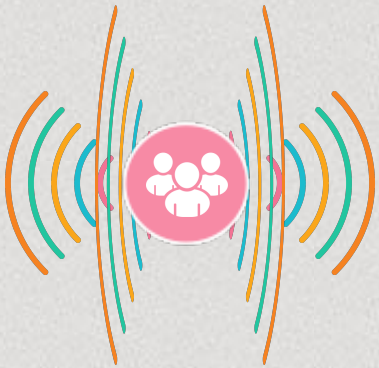


Best practices for sample collection for all age groups

The ease of the overall process - IT portal, results sharing, shipping, etc

What will be the outcome

An optimized experience and process for rolling out to schools nationwide

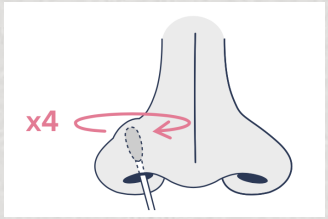


Sample Collection Inside a Classroom

What is classroom pooling?

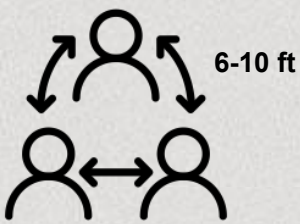
It's a method that combines test samples from all individuals in one classroom into one tube that's then tested.

Sample Collection

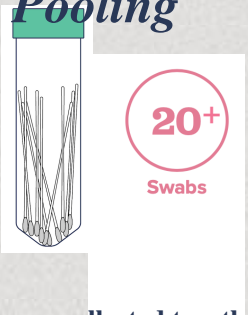


- **Self collection for most age groups**
- **Assisted collection for <10 yrs***

Social distancing measures observed



Front-end Pooling



- **Swabs are collected together**
- **Results are returned for a GROUP**

Detailed instructions for all steps will be provided. A Teacher will observe students collecting from a social distance.

**** Will be reviewed and potentially adjusted within pilots***

Outline of Roles

Testing will occur in classrooms during the normal school session

Parents	***Administrator***	***Adult***	***Nurse***	***Students****
				
Provides consents	Sets up testing	Observes students	Assists in collection as required	Provide samples

**** Can also include teachers and other staff***

How the Pooling Pilot Works

Step 1

Getting Started

Your School Team will be introduced to the pooling program and process in a webinar. Consent forms will be provided.

Step 2

Onboarding & Set-Up

A walk-through of the entire end-to-end process will be conducted to provide training and demonstration of tools and materials.

Step 3

Test Day

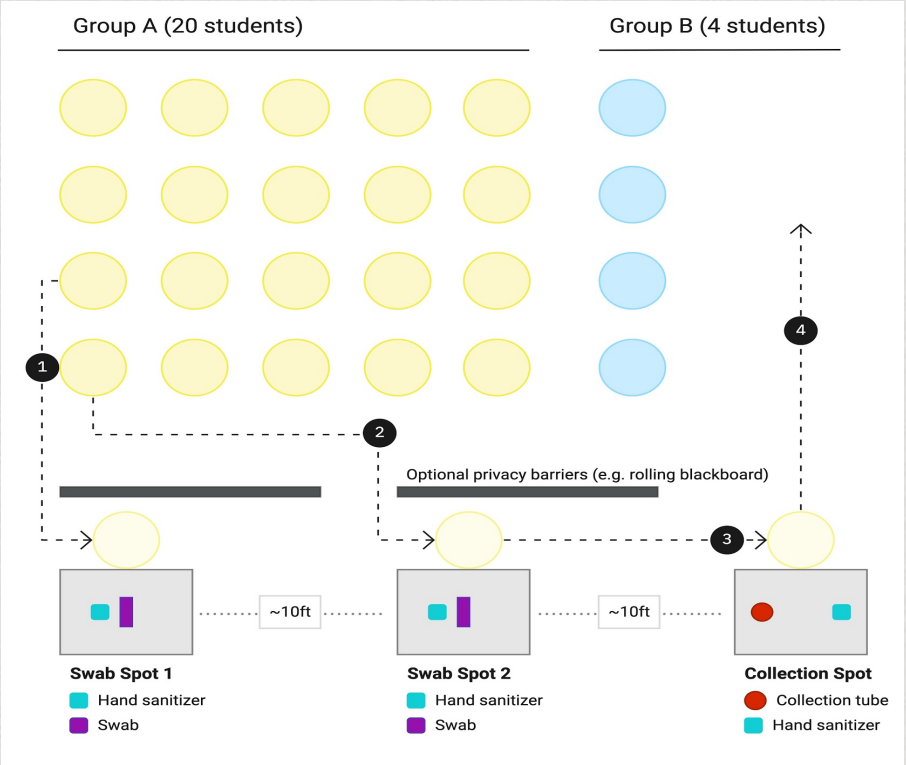
Your School Team will play key roles in registering kits, observing self collection, and shipping samples and returning data to Ginkgo for processing.

Step 4

Results

Your School will receive electronic results from Ginkgo.

Sample Classroom Layout and Process



1. Students are called up by group, and proceed to individual stations
2.
3. After swabbing, students walk over to Collection Spot
4. Students deposit swab, clean their hands, and go back to their desks

Your participation in this Pilot will help our team optimize the collection experience to make it easy for all participants involved.

Sample Collection Using Ginkgo's Testing Kits

Instructions for Test Takers

Nasal Swab Self-Collection Instructions for Pooling

1 Clean Hands

First, make sure that your hands are clean (by using soap or hand sanitizer).

2 Open Swab

Remove the swab from its packaging. Be careful not to touch the tip with your hands.

3 Swab Nose

Gently insert the entire soft tip of the swab into one nostril until you feel a bit of resistance. Using a circular motion, rub the swab around the inside of your nostril **4 times**. You should use medium pressure to push the swab against the inside of your nostril. The swab tip should be touching the inside of your nose throughout. Repeat the process with your other nostril using the same end of the swab as before.

The swab should push against the inside and outside wall of the nostril.

Swab BOTH nostrils.

4 Put Swab in Tube

Put the swab into the collection tube indicated by the supervisor. Finally, sanitize your hands thoroughly.

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Instructions for Test Supervisors

Nasal Swab Self Collection for Pooling
Supervisor Procedure

1 Clean your hands

Wash your hands before starting, and sanitize your hands before handling the collection tube.

2 Remove the collection tube's cap

Unscrew the cap to prepare for student swab collection. The tube will be empty when it arrives.

3 Collect swabs one at a time

Each student will place their swab into the tube with the tip facing down towards the bottom of the tube

4 Close the tube after 20 swabs

Once you have **a minimum of 5 swabs** and a **maximum of 20** swabs collected, firmly screw the cap back onto the tube.

5 Clean the tube

Sanitize your hands. Then sanitize the tube using the supplied wipes. Ensure the cap is tight after cleaning.

6 Place into biohazard bag, and then into the box

Place the tube into the supplied biohazard bag. Seal the bag. Place the sealed bag into the return box.

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Discussion Moving Forward