

# Research TOWN HALLS

December 17, 2020

Maria Lima, Susan Perkins, Rosemarie Wesson

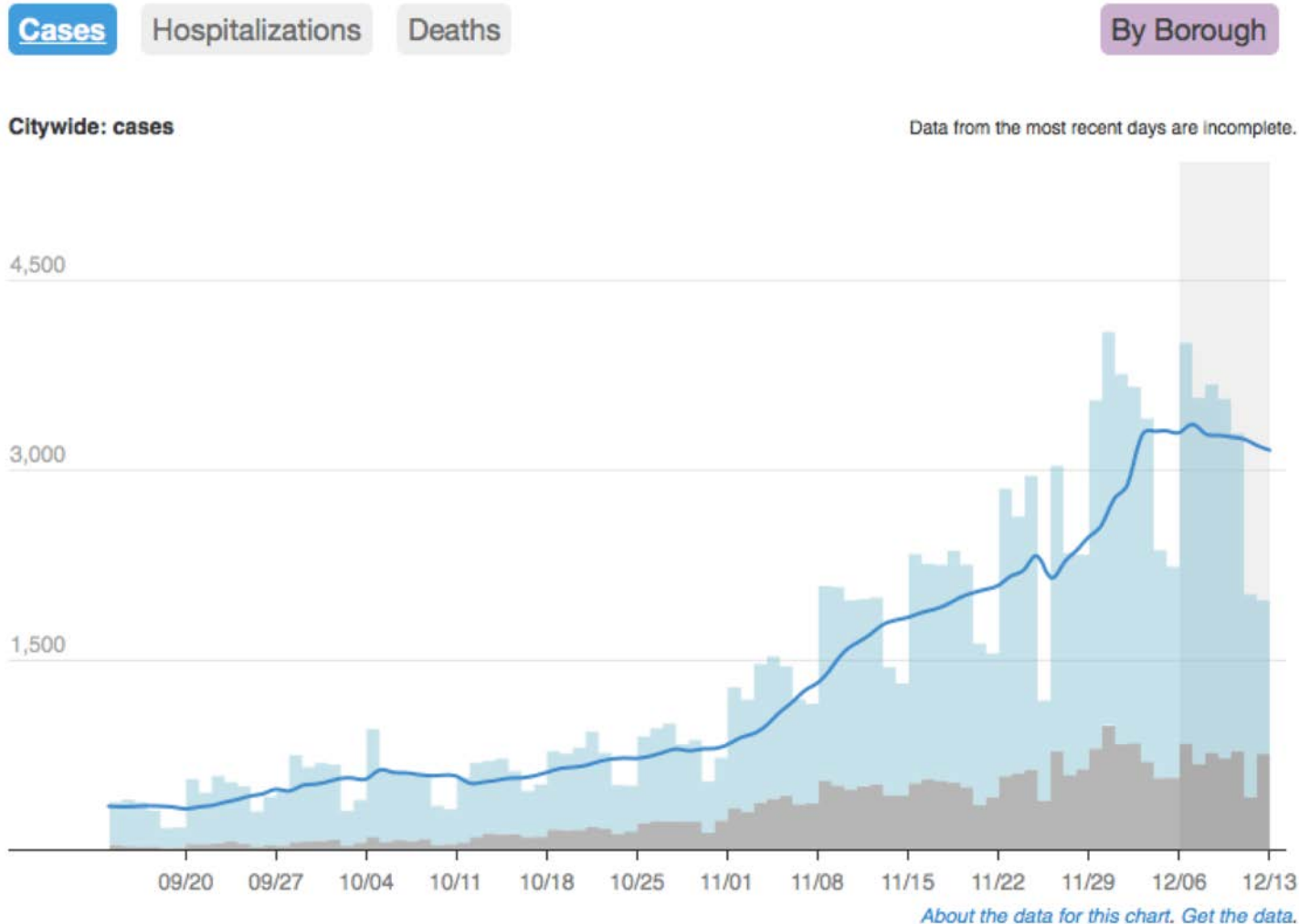
# NYC COVID-19 Cases, Hospitalizations and Deaths

Measure	Last 7 days	Weekly average (last 4 weeks)	Trend
<b>Percent Positive</b> Percent of people tested who test positive	<a href="#">See Milestones</a>	4.77%	Increasing
<b>Confirmed Cases</b> People with a positive molecular test	17,104	14,792	Increasing
<b>Probable Cases</b> People with a positive antigen test, or symptoms and confirmed exposure, or probable death	5,016	4,531	Increasing
<b>Total Cases</b>	22,120	19,323	Increasing
<b>Hospitalizations</b> People hospitalized within 14 days of diagnosis	1,458	1,089	Increasing
<b>Confirmed Deaths*</b> Deaths with a positive molecular test	132	108	Increasing

SOURCE:  
<https://www1.nyc.gov/site/doh/covid/covid-19-data.page>

Updated: December 16, at 1 p.m.

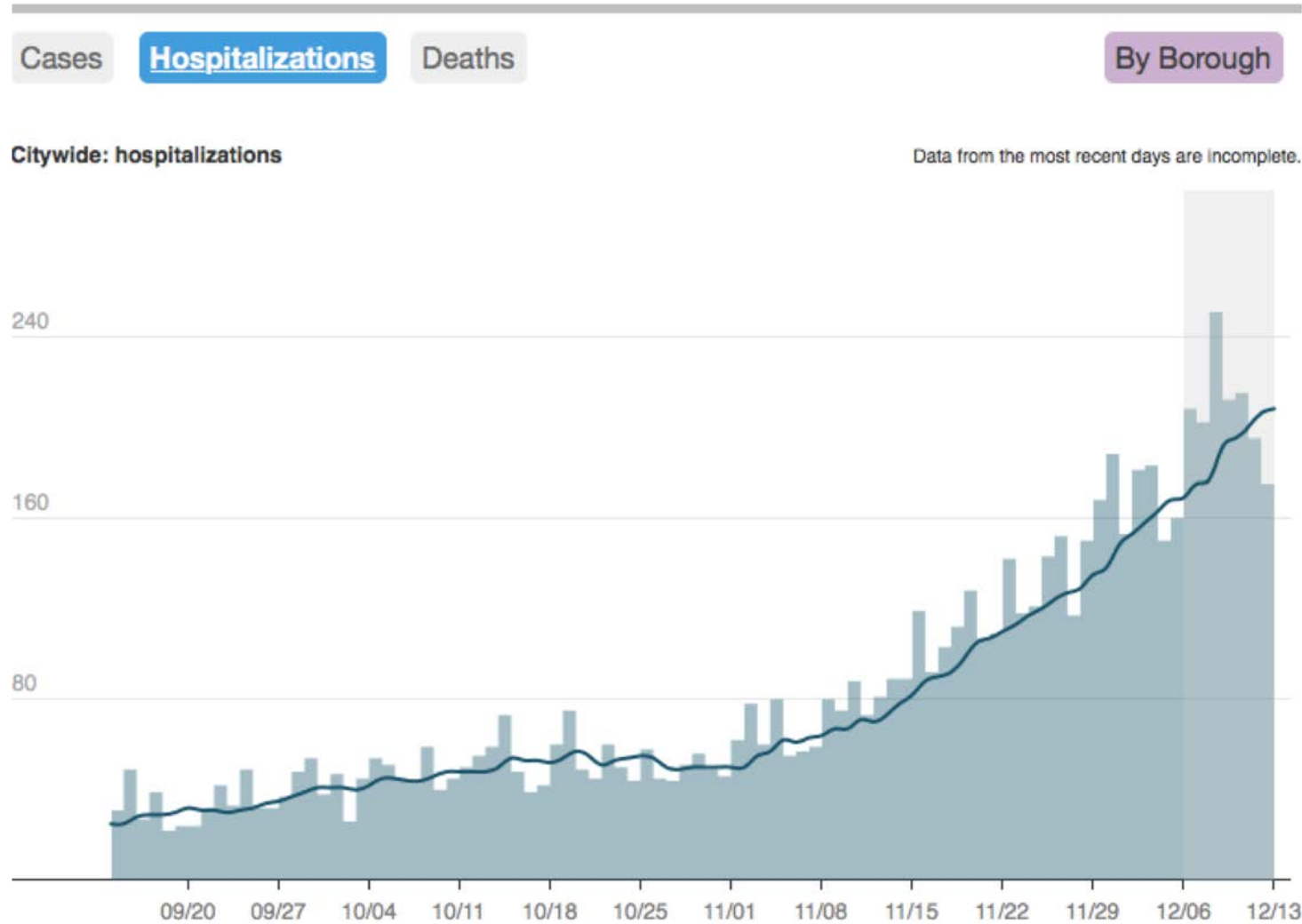
# NYC COVID-19 CASES



SOURCE:

<https://www1.nyc.gov/site/doh/covid/covid-19-data.page>

# NYC COVID-19 HOSPITALIZATIONS



SOURCE:

<https://www1.nyc.gov/site/doh/covid/covid-19-data.page>

# NYC COVID-19 DEATHS

Cases

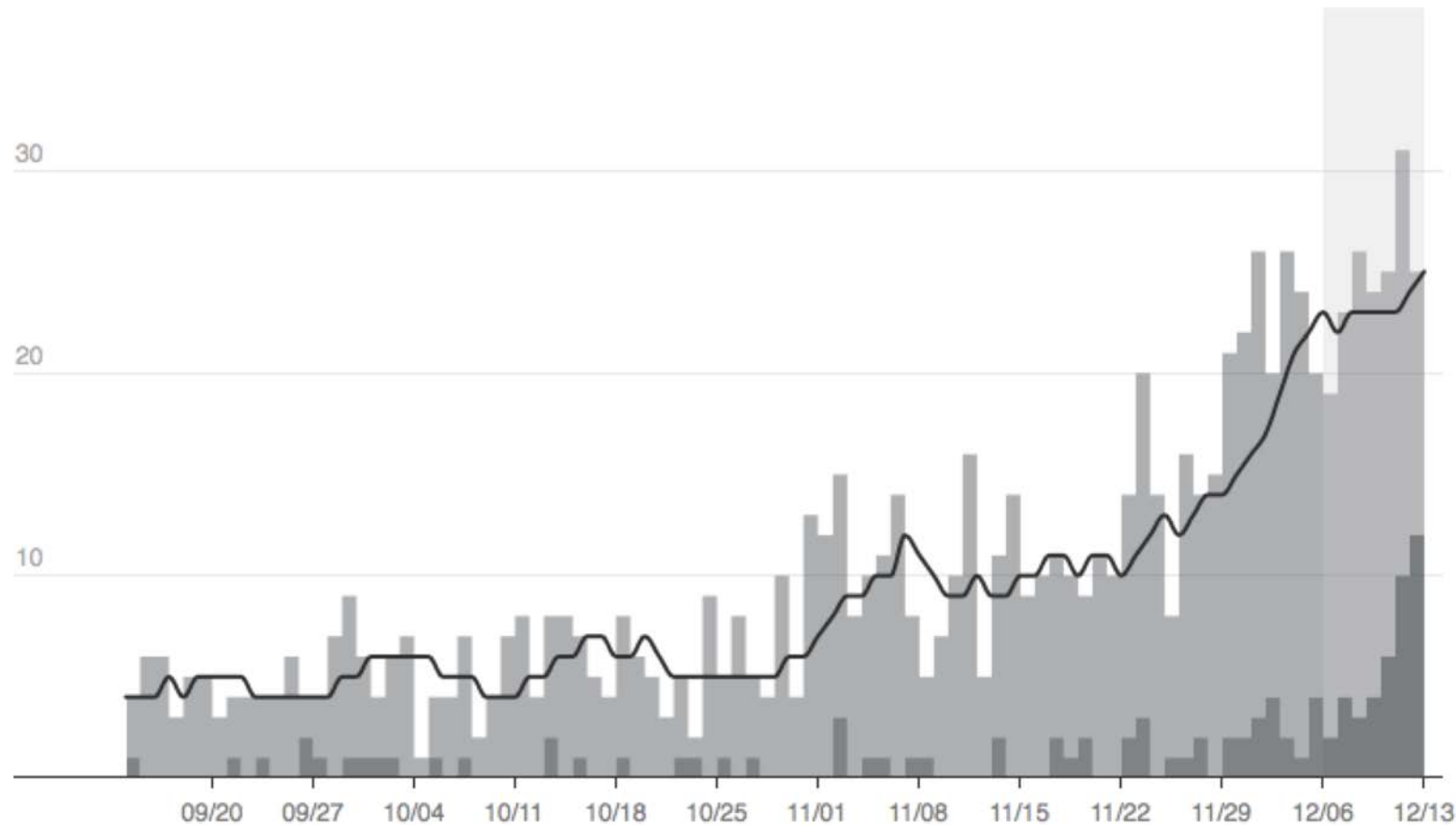
Hospitalizations

**Deaths**

By Borough

Citywide: deaths

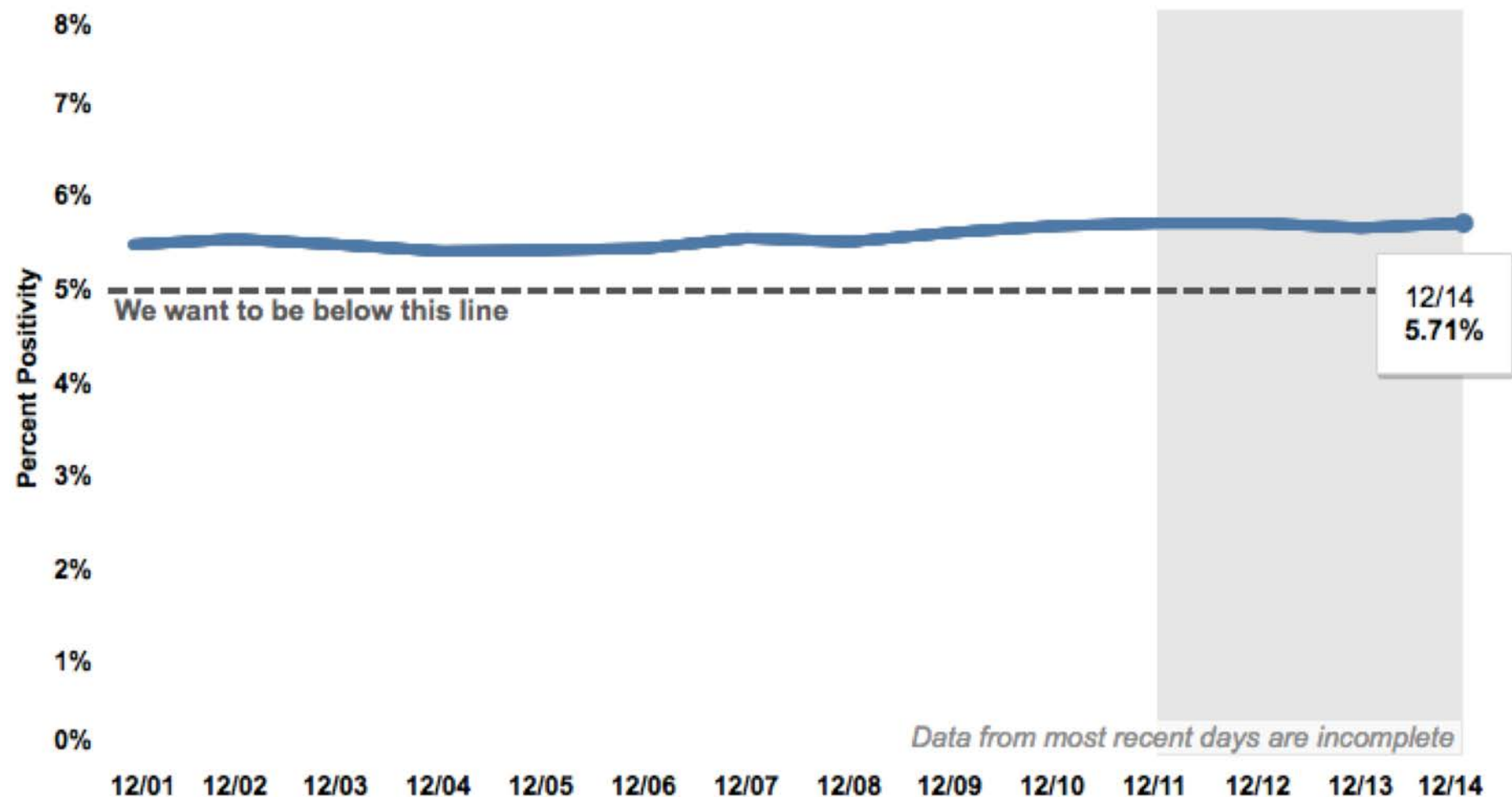
Data from the most recent days are incomplete.



SOURCE:

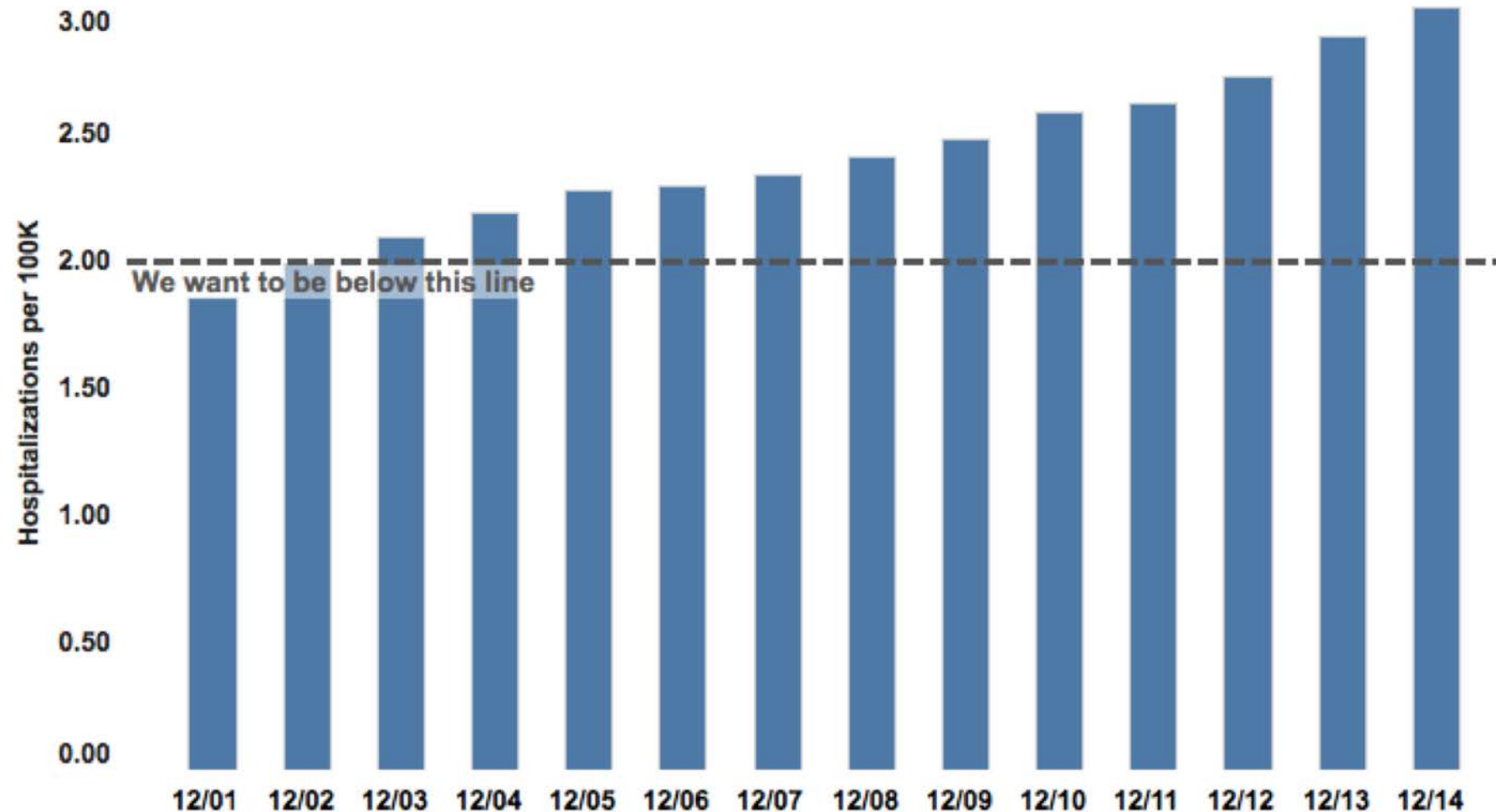
<https://www1.nyc.gov/site/doh/covid/covid-19-data.page>

## Percent of NYC residents tested who test positive, seven-day average



SOURCE: <https://www1.nyc.gov/site/doh/covid/covid-19-goals.page#viz1607355501127>

## New NYC COVID-19 Hospitalizations per 100K as reported by NYS, seven-day average



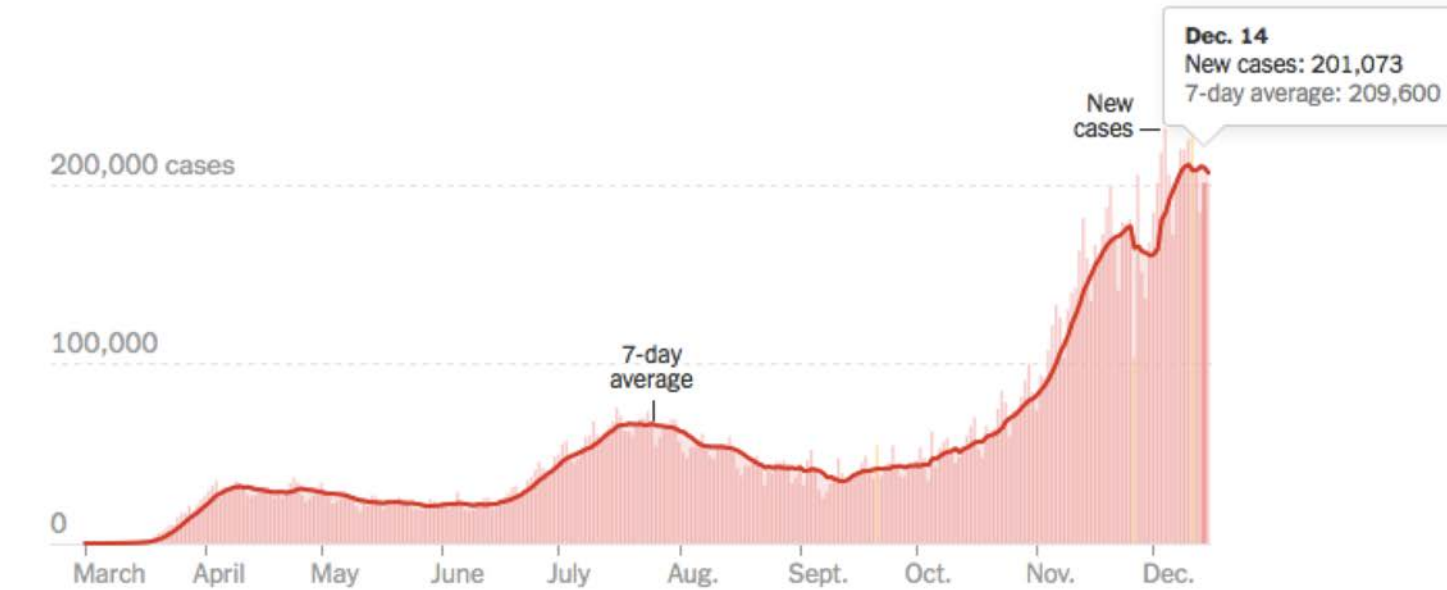
SOURCE: <https://www1.nyc.gov/site/doh/covid/covid-19-goals.page#viz1600178832899>



# US COVID-19 Cases, Deaths and Hospitalizations

Updated December 16, 2020, 8:09 P.M. E.T.

[Leer en español](#)



SOURCE:

<https://www.nytimes.com/interactive/2020/us/coronavirus-us-cases.html>

	TOTAL REPORTED	ON DEC. 15	14-DAY CHANGE
Cases	16.9 million+	201,649	+28% →
Deaths	307,295	2,957	+60% →
Hospitalized		112,814	+17% →

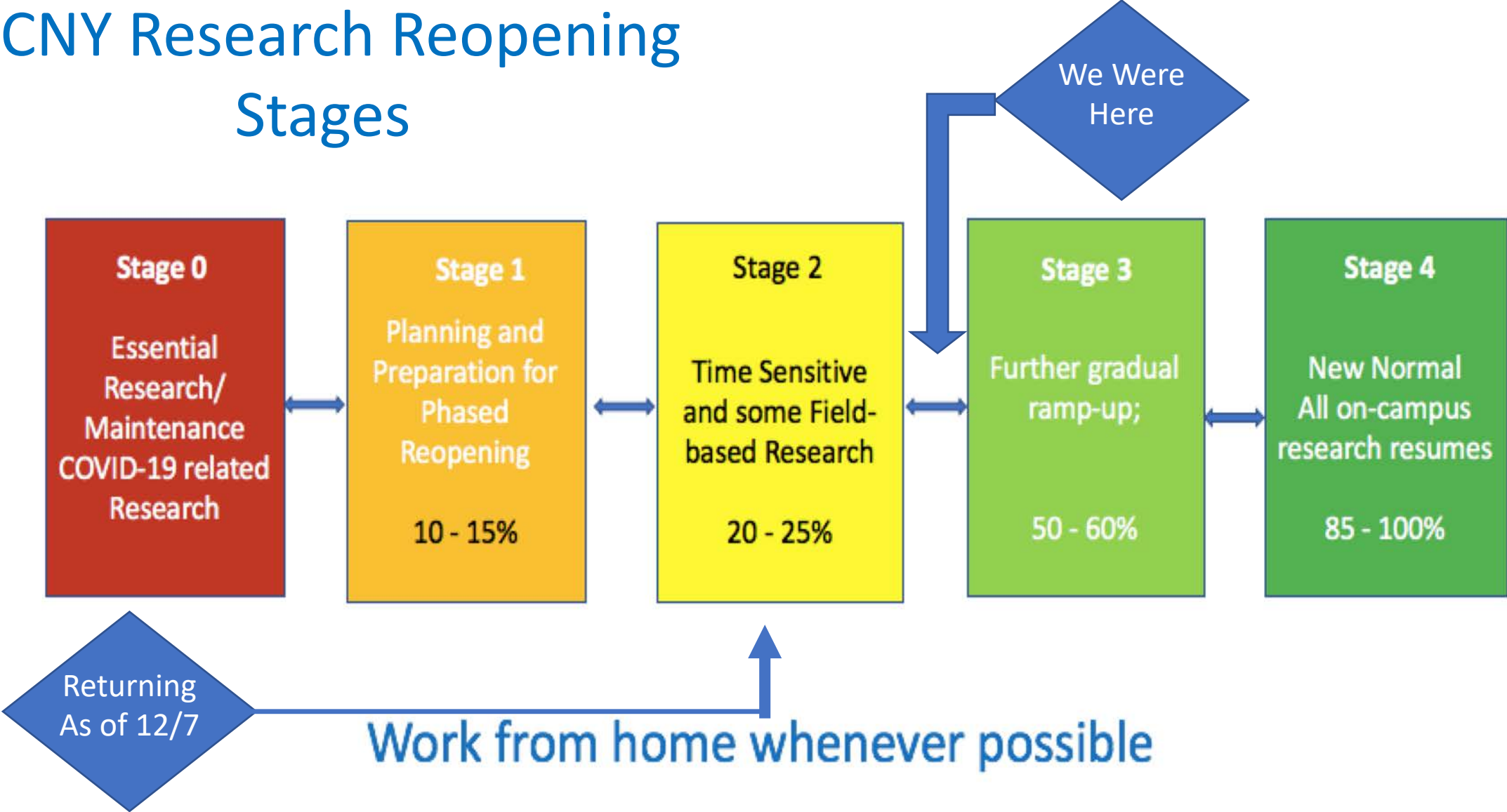
■ Day with reporting anomaly. Hospitalization data from the Covid Tracking Project: 14-day change trends use 7-day averages.



# STATE and CCNY PHASES/ STAGES OF REOPENING (June, 2020)

- STATE PHASES AND CCNY STAGES ARE NOT LINKED, I.E. CCNY MAY ENTER STAGE 2 OR EVEN STAGE 3 WHILE NYC MAY BE IN PHASE 1
- CCNY WILL MONITOR STAGES AND COULD MOVE FORWARD OR BACKWARDS
- IF NYC REGRESSES THEN CCNY WILL NOT LIKELY PROGRESS

# CCNY Research Reopening Stages



# CCNY RESEARCH RAMP-DOWN



- **NYC Positivity Rate reached 3% (11/18/20)**
  - Additional Researchers approved for one-day access only
- **NYC Positivity Rate Exceeds 5% (12/7/20)**
  - Researchers requested to reduce lab occupancy

# CCNY RESEARCH RAMP-DOWN (<25% Capacity)



- Each lab reduces occupancy to two persons per lab are allowed **at any given time**.
- Researchers may be staggered to work different times of day and/or different days.
- Active research labs submit a lab research schedule.
- If not possible, explain why and provide instead a communication plan.
- These plans should be submitted to the [RRRB](#).

# CRITERIA FOR FUTHER RESEARCH REDUCTIONS



- Campus Reopening Plan
- Campus-wide closure may be regulated by the [City](#) and [State](#) of New York.

# CRITERIA FOR FURTHER RESEARCH REDUCTIONS (CAMPUS REOPENING PLAN)



Fever



Cough



Trouble breathing

- Building closes if
  - Three or more people in one building go home sick over a two-day period, or four in the course of one week
  - If two buildings are closed, campus returns to Stage 0.



# CRITERIA FOR FURTHER RESEARCH REDUCTIONS (New York City or State)



- Mayor de Blasio/Gov Cuomo (12/14/20):
  - A return to “NY on Pause” is quite possible within the next month and everyone should be prepared.
- Researchers should NOT begin new long-term experiments.
- Research in labs, wings, floors or buildings may need to ramp or shut down quickly.
- Building and campus closures in the near future are a real possibility.
- Please be mindful of these possibilities as we move forward.

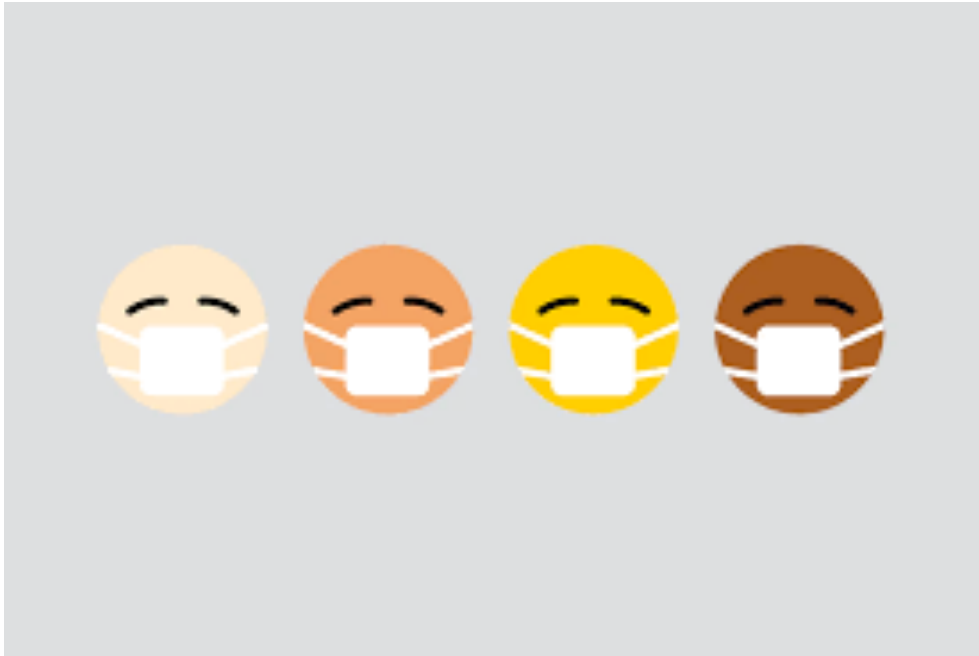


# CRITERIA FOR RESUMPTION OF RESEARCH LAB OCCUPANCY LEVELS



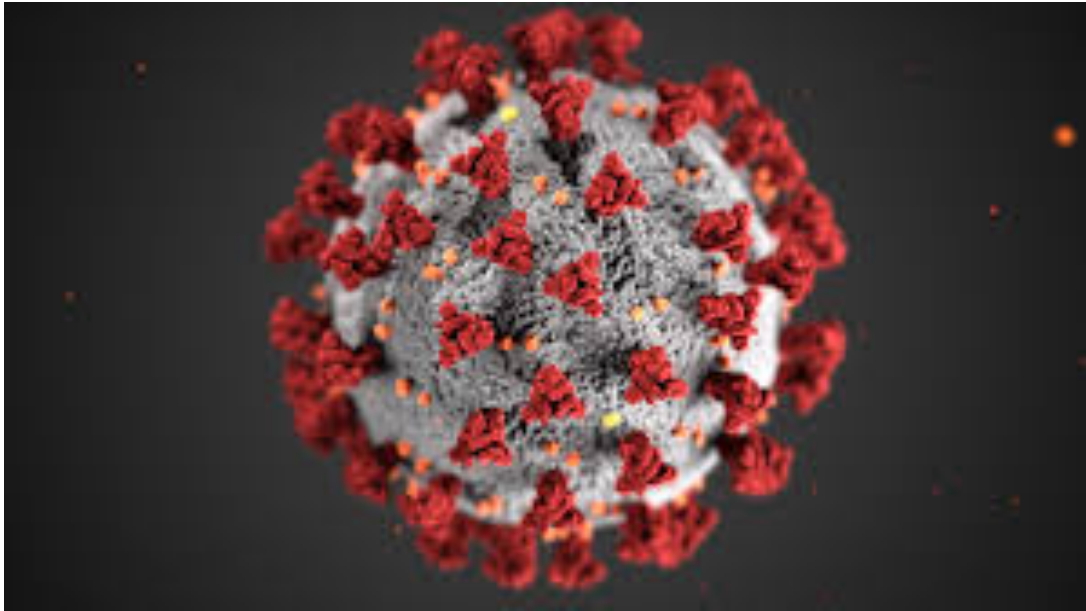
CCNY may return to the current research levels when the average positivity rate falls below 5% and is flat/declining for 7 consecutive days.

# Researchers Should Continue to Work Safely



- **Masks required at all times**
- **Practice Social (Physical) distancing**
- **Up-to-date C14 Certification**

# COVID-19 REPORTING



- Students
  - Fabal ([rfabal@ccny.cuny.edu](mailto:rfabal@ccny.cuny.edu)), George Rhinehart ([grhinehart@ccny.cuny.edu](mailto:grhinehart@ccny.cuny.edu)), and Ana King-Garcia ([akinggarcia@ccny.cuny.edu](mailto:akinggarcia@ccny.cuny.edu)).
- Faculty or staff
  - Cornel Clarke ([cclarke@ccny.cuny.edu](mailto:cclarke@ccny.cuny.edu)), Yahaira Colon ([ycolon01@ccny.cuny.edu](mailto:ycolon01@ccny.cuny.edu)), and Erica Stephen ([estephen@ccny.cuny.edu](mailto:estephen@ccny.cuny.edu)).
- Copy
  - Ken Ihrer ([kihrer@ccny.cuny.edu](mailto:kihrer@ccny.cuny.edu)) and Richard Belgrave ([rbelgrave@ccny.cuny.edu](mailto:rbelgrave@ccny.cuny.edu))

# Congratulations to Fall 2020 Awardees

- **Parra, NIH, \$4M**
  - Machine learning for risk-adjusted breast MRI screening
- **Gonzalez, Dept of Ed, \$2.98M**
  - CIPAS - Experiential Learning and Industry Engagement for Workforce Readiness
- **Bobker, NYSERDA, \$1.4M**
  - NYSERDA REV campus challenge
- **Uyar, Army, \$1.2M**
  - AI AND GAME THEORY BASED DISTRIBUTED AND COHERENT EW SYSTEM
- **Kawaji, DOE, \$880K**
  - Characterization of Plenum to Plenum Natural Circulation flows in a High Temperature Gas Reactor (HTGR)
- **Khanikaev, Simons Foundation, \$600K**
  - Harnessing Universal Symmetry Concepts for Extreme Wave Phenomena
- **Sadewi, CU, \$555K**
  - IRNC: Testbed: COSMOS Interconnecting Continents (COSMIC)
- **Wei, AFOSR, \$434K**
  - Dynamic data driven applications systems with multi-modal sensing, collaborative perception and deep computing
- **Kottman, NIH, \$430K**
  - Mechanisms of Inhibition of L-Dopa Induced Dyskinesia (LID) by Smoothened Activation

# Congratulations to Fall 2020 Awardees (cont)

- **McDonald, NASA, \$378K**
  - Parameterizing Microwave Scattering Models with Vegetation Structural Observations: Informing Multi-Frequency Radar with LIDAR
- **B. Kim, ONR Prime, \$295K**
  - Development of Bio-Inspired Nano-Sensors for Underwater Explosives and Hazardous Materials
- **Dmochowski, NIH Prime, \$253K**
  - TRANSCRANIAL NEAR INFRARED RADIATION AND CEREBRAL BLOOD FLOW IN DEPRESSION (TRIADE)
- **Bikson, Boston Scientific, \$250K**
  - CCNY-Boston Sci Pilot 1
- **Agrawal, USDOT (Prime), \$243K**
  - NBI Element Deterioration Rates for Bridge Maintenance System
- **Rudenko, NIH (Prime), \$160K**
  - Molecular Genetics of Visual Circuit Assembly in the Developing Superior Colliculus
- **Z. Peng, NSF (Prime), \$150K**
  - CCRI: Medium: Collaborative Research: mu-Net: Infrastructure to Advance Mobile Underwater Wireless Networking Research
- **Fekete, Alliance for Sustainable Energy, Inc. \$120K**
  - WATER RISK FOR THE BULK POWER SYSTEM: ASSET TO GRID IMPACTS

# Junior Faculty Award in Science and Engineering

## 2020 – 2021 Application is Open

The CUNY Junior Faculty Research Award in Science and Engineering program (JFRASE) aims to cultivate excellence and ensure the promise of research-intensive early career science and engineering faculty at CUNY. It is expected that this early career opportunity will advance the research program of the faculty recipients through boosting their research productivity and accelerating their ability to attract significant external funding.

All untenured tenure-track junior faculty who have a promising and innovative research program in the life sciences, physical sciences, social sciences, mathematics, or engineering are eligible and encouraged to apply.

Each CUNY Junior Faculty Fellow will receive a one-year \$50,000 award. It is anticipated that four awards will be given in 2021.

For more information visit the [JFRASE website](#).

Complete the JFRASE application [here](#).

Application Deadline: **February 05, 2021**



# Post-Award Working Group



- Primary Goal: To evaluate and improve the workflow of post-award management, particularly with respect to the current and likely ongoing remote/digital work environment.
- Members
  - Frank Pace (DoS)
  - Cindy Gonzalez (DoS)
  - Yvette Forehand (GSOE)
  - Marc Scullin (CSOM)
  - Priscilla Daniel (CSOM)
  - Alex King (GSP)



# Holiday Building Hours



- Campus closed for Thursday, December 24; Friday, December 25; Thursday December 31; and Friday, January 1.
- ASRC, CDI and NAC will be staffed by Public Safety
- Marshak and Steinman will be locked.
- Authorized researchers requiring access to Marshak or Steinman between 7AM and 9PM, should call Public Safety at 212-650-6911.

# Submit QUESTIONS Using Zoom Chat Function

