

Georgia Department of Public Health: Strike & Support Team GADPH Office Hours for ALFs & PCHs November 18, 2022



Meet the Team



Presenters:

Swati Gaur, MD, MBA, CMD, AGSF

Medical Director, Alliant Health Solutions

Erica Umeakunne, MSN, MPH, APRN, CIC

Infection Prevention Specialist Alliant Health Solutions



Swati Gaur, MD, MBA, CMD, AGSF

MEDICAL DIRECTOR, POST-ACUTE CARE NORTHEAST GEORGIA HEALTH SYSTEM

Dr. Swati Gaur is the medical director of New Horizons Nursing Facilities with the Northeast Georgia Health System. She is also the CEO of Care Advances Through Technology, a technology innovation company. In addition, she is on the electronic medical record (EMR) transition and implementation team for the health system, providing direction to EMR entity adaption to the longterm care (LTC) environment. She has also consulted with post-acute long-term care (PALTC) companies on optimizing medical services in PALTC facilities, integrating medical directors and clinicians into the QAPI framework, and creating frameworks of interdisciplinary work in the organization. She established the palliative care service line at the Northeast Georgia Health System.

She also is an attending physician in several nursing facilities. Dr. Gaur attended medical school in Bhopal, India, and started her residency in internal medicine at St. Luke's–Roosevelt Medical Center in New York. She completed her fellowship in geriatrics at the University of Pittsburgh Medical Center and is board certified in internal medicine, geriatrics, hospice, and palliative medicine. In addition, she earned a master's in business administration at the Georgia Institute of Technology with a concentration in technology management.





Erica Umeakunne, MSN, MPH, APRN, CIC

Erica Umeakunne is an adult-gerontology nurse practitioner and infection preventionist with experience in primary care, critical care, health care administration and public health.

She previously served as the interim hospital epidemiology director for a large health care system in Atlanta and as a nurse consultant in the Centers for Disease Control and Prevention's (CDC) Division of Healthcare Quality Promotion. While at CDC, she served as an infection prevention and control (IPC) subject matter expert for domestic and international IPC initiatives and emergency responses, including Ebola outbreaks and, most recently, the COVID-19 pandemic.





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Objectives

- Provide updates on the COVID-19 pandemic and vaccination recommendations
- Discuss respiratory illness burden in the community and discuss mitigation strategies including COVID-19 and influenza-like illnesses
- Discuss how facilities can practically update their COVID-19 infection prevention and control (IPC) strategies to align with current recommendations
- Share Alliant Health Solutions resources to support COVID-19 IPC activities
- Address any facility-specific IPC questions or concerns



Wastewater Surveillance





Confirmed COVID-19 Cases among Residents and Rate per 1,000 Resident-Weeks in Nursing Homes, by Week—United States



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Confirmed COVID-19 Cases among Staff and Rate per 1,000 Resident-Weeks in Nursing Homes, by Week—United States

Confirmed COVID-19 Cases among Staff and Rate per 1,000 Resident-Weeks in Nursing Homes, by Week — United States



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Influenza-Like Activity



https://www.cdc.gov/flu/weekly/index.htm

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RSV Surveillance Data





Up To Date (NHSN)

The below information describes the updated surveillance definition and should be used for reporting up to date with COVID-19 vaccines which is to be applied for data reported to NHSN COVID-19 Vaccination Modules beginning **September 26**, **2022.**

Up to date with COVID-19 vaccines

Individuals are considered up to date with their COVID-19 vaccines during the surveillance period of September 26, 2022 – December 25, 2022 for the purpose of NHSN surveillance if they meet (1) of the following criteria:

Received an updated (bivalent)* booster dose,

or

Received their last booster dose less than 2 months ago, or

Completed their primary series less than 2 months ago

CDC



Immunogenicity: Moderna bivalent booster



 Met superiority criteria* in participants ≥18 years with or without evidence of infection on day 29

*Superiority criterion: the lower bound of the 95% CI for GMR is >1.0

https://www.medrxiv.org/content/10.1101/2022.06.24.22276703v1.full.pdf

https://www.cdc.gov/vaccines/acip/meetings/downloads/slides-2022-09-01/08-COVID-Oliver-508.pdf



Effectiveness of Bivalent Booster Against BA. 4/ BA. 5 Friday, Nov. 4

Bivalent Updated Booster:

- 18 to 55 years of age 9.5-fold rise (95% CI: 6.7, 13.6)
- Older than 55 years- 13.2-fold rise (95% CI: 8.0, 21.6) from pre-booster levels.

Old Booster:

• over 55 years of age - 2.9-fold rise (95% CI: 2.1, 3.9.

https://www.pfizer.com/news/press-release/press-release-detail/pfizer-and-biontech-announce-updated-clinical-data-omicron

Data submitted to FDA

Effectiveness of Vaccines



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Local and Systemic Adverse Reactions

	Any	mRNA-1273				79.5
	Ally	mRNA-1273.214				79.4
	D .1	mRNA-1273	Ĩ			76.6
	Pain	mRNA-1273.214				77.3
Local	Erythema	mRNA-1273	3.7			
Local	Liythema	mRNA-1273.214	6.9			
	Swelling	mRNA-1273	6.6			
	Sweinig	mRNA-1273.214	6.9			
	Axillary Swelling	mRNA-1273	15.4			
	or Tenderness	mRNA-1273.214	17.4			
		mRNA-1273			66.1	
	Any	mRNA-1273.214			70.3	
	Fever	mRNA-1273	3.4			
	rever	mRNA-1273.214	4.4			
	Headache	mRNA-1273		41.1		
	Headache	mRNA-1273.214		43.9		
	Fatigue	mRNA-1273		5	1.4	
Systemic	Tatigue	mRNA-1273.214			54.9	
Systeme	Myalgia	mRNA-1273		38.6		
	wyaigia	mRNA-1273.214		39.6		
	Arthralgia	mRNA-1273		31.7		
	Artinaigia	mRNA-1273.214		31.1		
	Nausea or Vomiting	mRNA-1273	10.0			
	traused of voniting	mRNA-1273.214	10.3			
	Chills	mRNA-1273	21			
	CIIIIS	mRNA-1273.214		23.8		
			20	40	60	80





Solicited injection site reactions (A) and solicited systemic reactions (B) occurring up to 7 days after injection (immunogenicity analysis set)

Error bars show 95% CIs. Coadministration QIV-HD shows the solicited reactions observed in the QIV-HD-injected limb of participants in the coadministration group. Coadministration mRNA-1273 shows the solicited reactions observed in the mRNA-1273-injected limb of participants in the coadministration group. QIV-HD=high-dose quadrivalent influenza vaccine.



Vaccine Strategy: Coadministration

- 2/3 of adults want it
- Side effects comparable
- Flu vaccine rates may go up with coadministration
- Nursing home resources
- Vaccine fatigue



Booster Flowsheet



https://quality.allianthealth.org/wp-content/uploads/2022/11/Bivalent-Myths-and-Facts-FINAL-v2_508.pdf

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Paxlovid: EPIC HR Trial



https://www.fda.gov/media/158165/download



Nursing Home Strategy





Updated CDC Guidance Rests on Up-to-Date Vaccine Status for Staff and Residents



Repeat COVID-19 Infections Increase Risk of Organ Failure, Death: Researchers Recommend Masks, Vaccines, Vigilance To Prevent Reinfection

"The evidence shows reinfection further increases risks of death, hospitalization and sequelae in multiple organ systems in the acute and post-acute phase. Reducing the overall burden of death and disease due to SARS-CoV-2 will require strategies for reinfection prevention."

nature medicine	6
Article	https://doi.org/10.1038/s41591-022-02051-3
	stacute sequelae associated oV-2 reinfection
Received: 12 June 2022	Benjamin Bowe ¹² , Yan Xie © ¹² & Ziyad Al-Aly © ^{123,45} ⊡
Accepted: 23 September 2022	
Published online: 10 November 2022	First infection with severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is associated with increased risk of acute and postacute death
Check for updates	and sequelae in various organ systems. Whether reinfection adds to risks incurred after first infection is unclear. Here we used the US Department of Veterans Affairs' national healthcare database to build a cohort of individuals with one SARS-CoV-2 infection (<i>n</i> = 443,588), reinfection (two or more infections, <i>n</i> = 40,947) and a noninfected control (<i>n</i> = 5,334,729). We used inverse probability-weighted survival models to estimate risks and 6-month burdens of death, hospitalization and incident sequelae. Compared to no reinfection, reinfection contributed additional risks of death (hazard ratio (HR) = 2.17,95% confidence intervals (CI) 1.93-2.45), hospitalization (HR = 3.32,95% CI 3.13-3.51) and sequelae including pulmonary, cardiovascular, hematological, diabetes, gastrointestinal, kidney, mental health, musculoskeletal and neurological disorders. The risks were evident regardless of vaccination status. The risks were most pronounced in the acute phase but persisted in the postacute phase at 6 months. Compared to nonificeted controls, cumulative risks and burdens of repeat infection increased according to the number of infections. Limitations included a cohort of mostly white males. The evidence shows that reinfection further increases risks of death, hospitalization and sequelae in multiple organ systems in the acute and postacute phase. Reducing overall burden of death and disease due to SARS-CoV-2 will require

Bowe, B., Xie, Y. & Al-Aly, Z. Acute and postacute sequelae associated with SARS-CoV-2 reinfection. Nat Med (2022). https://doi.org/10.1038/s41591-022-02051-3



Assisted Living, Group Homes and Other Residential Care Settings

- Follow <u>community prevention strategies based on COVID-19 Community Levels</u>
 - Independent living
 - Retirement communities
 - Other non-healthcare congregate settings
- Counsel residents/staff about <u>strategies to protect themselves and others</u>
 - including recommendations for source control if they are immunocompromised or at high risk for severe disease
 - <u>Resources for older adults</u>
 - People with disabilities
- Follow the <u>healthcare IPC recommendations</u>
 - Visiting or shared healthcare personnel providing healthcare to one or more residents (e.g., physical therapy, wound care, intravenous injections, or catheter care provided by home health agency nurses)
 - Staff in a residential care setting are providing in-person services for a resident with SARS-CoV-2 infection
 - hand hygiene
 - personal protective equipment
 - cleaning and disinfection practices

Transmission Levels

This metric uses two indicators:

- 1. Total number of new cases per 100,000 persons within the last seven days.
- 2. Percentage of positive diagnostic and screening nucleic acid amplification tests (NAAT) during the last seven days.

COVID-19 Community Levels

This metric uses three indicators:

1. New COVID-19 cases per 100,000 population in the last seven days.

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- 2. New COVID-19 hospital admissions per 100,000 population in the last seven days.
- 3. Percent of staffed inpatient beds occupied by patients with confirmed COVID-19 (sevenday average).



Transmission Levels

- Healthcare settings
- Used on a weekly basis to guide select infection prevention & control actions in healthcare setting
- Allows for earlier intervention
- Better protects individuals seeking medical care



COVID-19 Community Levels

- Non-healthcare settings (assisted living facilities, group homes, retirement communities, congregate settings)
- Help individuals and communities decide which prevention actions to take based on the latest information

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 Informs individual- and household-level prevention behaviors and community-level prevention strategies for low, medium and high COVID-19 community levels





Community-Level Prevention Strategies

At all COVID-19 Community Levels:

- Promote equitable access to vaccination, testing, masks and respirators, treatment and prevention medications, community outreach, and support services.
- Ensure access to testing, including through point-of-care and at-home tests for all people.
- Maintain <u>ventilation improvements.</u>
- Provide communications and messaging to encourage isolation among people who test positive.



Community-Level Prevention Strategies

When the COVID-19 Community Level is Medium or High:

• Implement screening testing in high-risk settings where screening testing is recommended.

When the COVID-19 Community Level is High:

• Implement healthcare surge support as needed.

https://www.cdc.gov/coronavirus/2019-ncov/your-health/covid-by-county.html



Making Changes to your Facility-Wide COVID-19 IPC Strategies

- Communicate changes and expectations to everyone
- Remain up to date with state/local DPH and regulatory agencies
- Involve your multi-disciplinary team
 - Infection Preventionist (IP)
 - Director of Nursing
 - Medical Director
 - Administrator
 - Consultant Pharmacist
 - Custodial Director
- Continue to support the IP and the decisions related to the facility IPC program
- Document regularly and consistently
 - IP risk assessment and plan
 - Consistent communication with residents, family and staff
 - Policy changes



Communicating Facility-Wide COVID-19 IPC Updates: SBAR Tool

- Framework for communication between members of the health care team about a patient's condition; <u>adapted to</u> <u>communicate facility changes & updates</u>
 - Easy-to-remember
 - Useful for framing any conversation requiring immediate attention and action
 - Allows for an easy and focused way to set expectations for what will be communicated and how between members of the team
 - Essential for developing teamwork
 - Fostering a <u>culture of patient safety</u>
- S = Situation (a concise statement of the problem)
- B = Background (pertinent and brief information related to the situation)
- A = Assessment (analysis and considerations of options what you found/think)
- **R = Recommendation** (action requested/recommended what you want)

Template: SBAR

S	 Situation: What is the situation you are calling about? Identify self, unit, patient, room number. Briefly state the problem, what is it, when it happened or started, and how severe.
В	 Background: Pertinent background information related to the situation could include the following: The admitting diagnosis and date of admission List of current medications, allergies, IV fluids, and labs Most recent vital signs Lab results: provide the date and time test was done and results of previous tests for comparison Other clinical information Code status
Α	Assessment: What is the nurse's assessment of the situation?
R	 Recommendation: What is the nurse's recommendation or what does he/she want? Examples: Notification that patient has been admitted Patient needs to be seen now Order change

Institute for Healthcare Improvement (IHI) SBAR Tool



Communicating Facility-Wide COVID-19 IPC Updates: SBAR Tool Example

- Situation: Our assisted living facility has reviewed the most recent regulations and CDC infection prevention and control guidelines pertaining to COVID-19 practices. We are updating our COVID-19 IPC strategies.
- **Background:** Transmission levels within Fulton County have been at a LOW level for three weeks (LOW as of 10/31/2022). Vaccination status among residents is high, with 95% being up to date. Staff vaccination rates are also high, with 90% being up to date.



COVID-19 Community Levels



Communicating Facility-Wide COVID-19 IPC Updates: SBAR Tool Example

 Assessment: Transmission levels are stable in the LOW level as defined by CDC for Fulton County. The facility has high vaccination rates for COVID-19 among staff and residents, and the facility staff and guests demonstrate consistent use of standard infection prevention practices as evidenced by hand hygiene audits/observations, cleaning and disinfection routines, and supplies for respiratory etiquette and source control.



COVID-19 Community Levels



Communicating Facility-Wide COVID-19 IPC Updates: SBAR Tool Example

Recommendation: Modify standard infection prevention and control practices for COVID-19 prevention/containment to include the following:

- Encourage everyone to practice infection prevention behaviors (i.e., hand hygiene, respiratory etiquette/covering your cough, avoiding sick people, reporting symptoms) and to remain up to date with all vaccine doses
- Ensure access to testing, including point-of-care and at-home tests for all people
- Provide communications and messaging to encourage isolation among people who test positive
- Establish a process to identify and manage individuals with suspected or confirmed SARS-CoV-2 Infection
- Maintain infection prevention and control practices (i.e., hand hygiene, cleaning and disinfection, standard precautions, adequate ventilation)



COVID-19 Lessons Learned: Risk Recognition and Health Care

Vulnerable population

Increased likelihood of infection

Variety of pathogens (germs)

Invasive medical & care-related interventions

Workflow/daily practices

https://www.cdc.gov/infectioncontrol/projectfirstline/index.html



COVID-19 Lessons Learned: Respiratory Viruses

Up to date with vaccinations

Understanding your data (resident risk, facility risk, community levels)

IPC strategies (hand hygiene, respiratory etiquette, source control, cleaning/disinfection)

Early interventions: screening, testing, and treatments

Prompt isolation & investigation of close contacts

Communication & collaboration

Emergency/Outbreak planning

https://www.cdc.gov/infectioncontrol/projectfirstline/index.html



Alliant Health Solutions Resources

BALLIANT HEALTH SOLUTIONS QN-QIO Ladia wownedic frames. Substrate of control of generations Control of control of generations Control of control of generations Control of control of generations Control of control of co	BALLIANT HEALTH SOLUTIONS	Home Start Here Browse by Topic	✓ Events ✓ Library of Resources ✓ Q. Search
HEALTH SOLUTIONS GEORGIA	Infe	ection Control Resou	rces
GA STR≹KE & SUPPORT TEAM Join us for the Georgia Department of Public Health Strike (& Support) Team Office Hours. These sessions will consist of a regularly scheduled monthly webinar for skilled nursing facilities (SNFs) as well as SNF medical directors. Office hours are	Sepsis	Catheter Associated Urinary Tract Infection (CAUTI)	Hand Hygiene
Each month we will have updates on infection prevention, clinical protocols and ideas for new tools and resources. This is your chance is to access subject matter experts on infection control and clinical practice in long term care. Come prepared to pose your questions to subject matter experts and learn from your peers about their best practices and their barriers.	HQIC Sepsis Gap Assessment and Action Steps HQIC Sepsis: Spot the Signs Magnet HQIC Sepsis Provider Engagement AQ Sepsis-ZoneTool Recognition and Management of Severe Sepsis and Septic Shock	CAUTI Gap Assessment Tool Urinary Catheter Quick Observation Tool CDC-HICPAC Guideline for Prevention of CAUTI 2009 AHRQ Toolkit for Reducing CAUTI in Hospitals CDC TAP CAUTI Implementation Guide	Handwash the FROG Way – Badges – English Handwash the FROG Way – Badges – Spanish Handwash the FROG Way – Poster – English Handwash the FROG Way – Poster – Spanish Frequently Asked Questions – Alcohol Based Hand Rub
	SHOW MORE	SHOW MORE	
	NHSN	Clostridioides Difficile Infection (C. difficile)	Antibiotic Stewardship
Office Hours for SNF and MD's:	Joining the Alliant Health Solutions NHSN Group Instructions for Submitting C. difficile Data Into NHSN 5-Step Enrollment for Long-term Care Facilities CDC's National Healthcare Safety Network (NHSN) NHSN Enrollment/ LAN Event Presentation	C.difficile Training Nursing Home Training Sessions Introduction Nursing Home C.difficile Infection	Antibiotic Stewardship Basics A Field Guide to Antibiotic Stewardship in Outpatient Settings Physician Commitment Letter Be Antibiotics Aware Taking Your Antibiotics
 <u>Click here</u> to register – November 18, 2022 at 11 a.m. ET <u>Click here</u> to register – December 16, 2022 at 11 a.m. ET Office Hours for Non-SNF: 	Training	COVID-19	SHOW MORE
Click here to register – November 18, 2022 at 1 p.m. ET Click here to register – December 16, 2022 at 1 p.m. ET Bite Sized Learning:	Options for Infection Control Training in Nursing Homes Flyer	Invest in Trust (AHRQ Resource for CNA COVID-19 Vaccines) Nursing Home Staff and Visitor Screening Toolkit – PDF Nursing Home Staff and Visitor Screening Toolkit – Excel	

https://quality.allianthealth.org/topic/georgia-department-of-public-health/

https://quality.allianthealth.org/topic/infection-control/



Questions?



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Atlanta Metro (Cobb-Douglas, Fulton, Clayton, Lawrenceville, DeKalb, LaGrange) Districts 3-1, 3-2, 3-3, 3-4, 3-5, 4	<u>Teresa.Fox@dph.ga.gov (404-596-1910)</u> <u>Renee.Miller@dph.ga.gov (678-357-4797)</u>
Central (Dublin, Macon, Augusta) Districts 5-1, 5-2, 6, 7	<u>Theresa.Metro-Lewis@dph.ga.gov (404-967-0589)</u> Karen.Williams13@dph.ga.gov (404-596-1732)
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Thank You for Your Time! Contact the AHS Patient Safety Team



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Save the Date

SNF and Medical Directors Office Hours: December 16, 2022 | 11 a.m. ET

ALF and PCH December 16, 2022 | 1 p.m. ET



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Making Health Care Better





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