

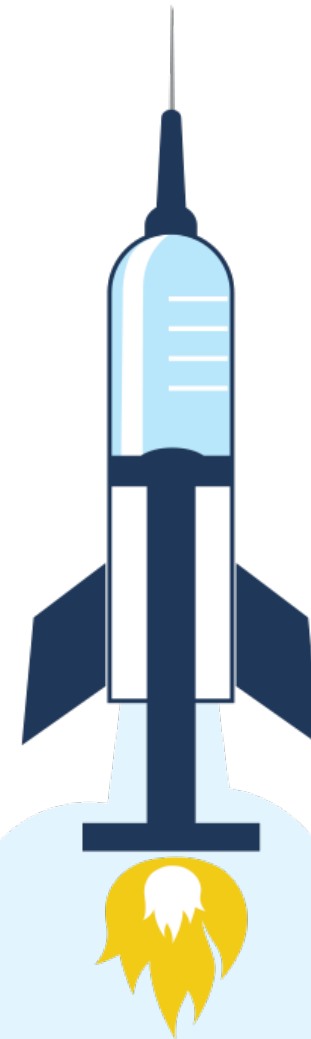
BOOST Office Hours: Shop Talk - NHSN Updates & Technical Assistance

February 17, 2022

Presented by:

Marilee Johnson, MBA, MT (ASCP) &

Amy Ward MS, BSN, RN, CIC



Marilee Johnson, MBA, MT (ASCP)

INFECTION PREVENTION TECHNICAL ADVISOR

Marilee is a health professional with experience in public health epidemiology, infection prevention and clinical microbiology. Recently, she worked with the CDC's National Healthcare Safety Network to reduce *C. difficile* infections in nursing home residents. She supports nursing homes with tracking and reporting infections in NHSN and focuses on strategies to reduce health-acquired infections across all patient care settings.

Marilee loves gardening, hiking, reading, yoga and spending time with her family and friends.

Contact: marilee.johnson@allianthealth.org



Amy Ward, MS, BSN, RN, CIC

INFECTION PREVENTION SPECIALIST

Amy is a registered nurse with a diverse background in acute care nursing, microbiology, epidemiology and infection control. She is passionate about leading and mentoring new and future infection preventionists in their career paths and assisting them in reducing health care-associated infections across the continuum of care.

Amy enjoys spending time with family. She loves all the time she can get outdoors camping, bicycling and running.

Contact: Amy.Ward@AlliantHealth.org



Objectives



Learn today:

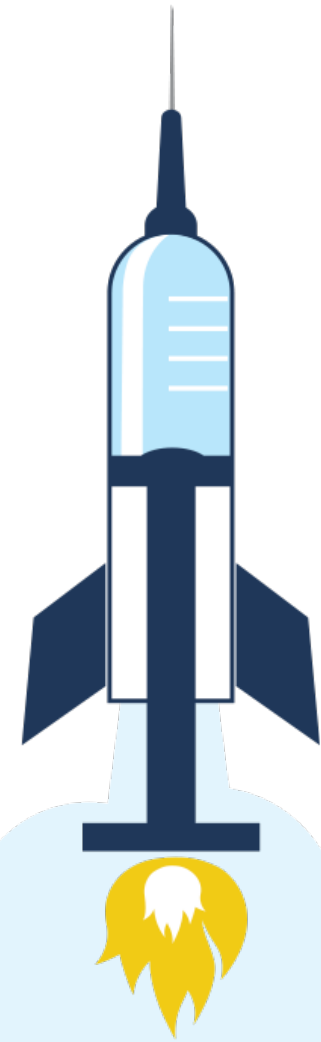
- Understand updates in the NHSN Weekly Vaccine Module
- Analyze your NHSN data as a best practice to drive booster and vaccination uptake

Learned yesterday:

- Create an NHSN notebook ([Nov. Shop Talk](#))
- Generate a data validation report in NHSN ([Dec. Shop Talk](#))
- [January Shop Talk](#)
 - [Download new tracking sheets](#)
 - [Deactivate former staff who no longer should have access](#)
 - How to check your NHSN data for timeliness and accuracy
 - [Don't report ZERO for Vaccination numerator \(#2\)](#)

COVID-19 Impact on Residents

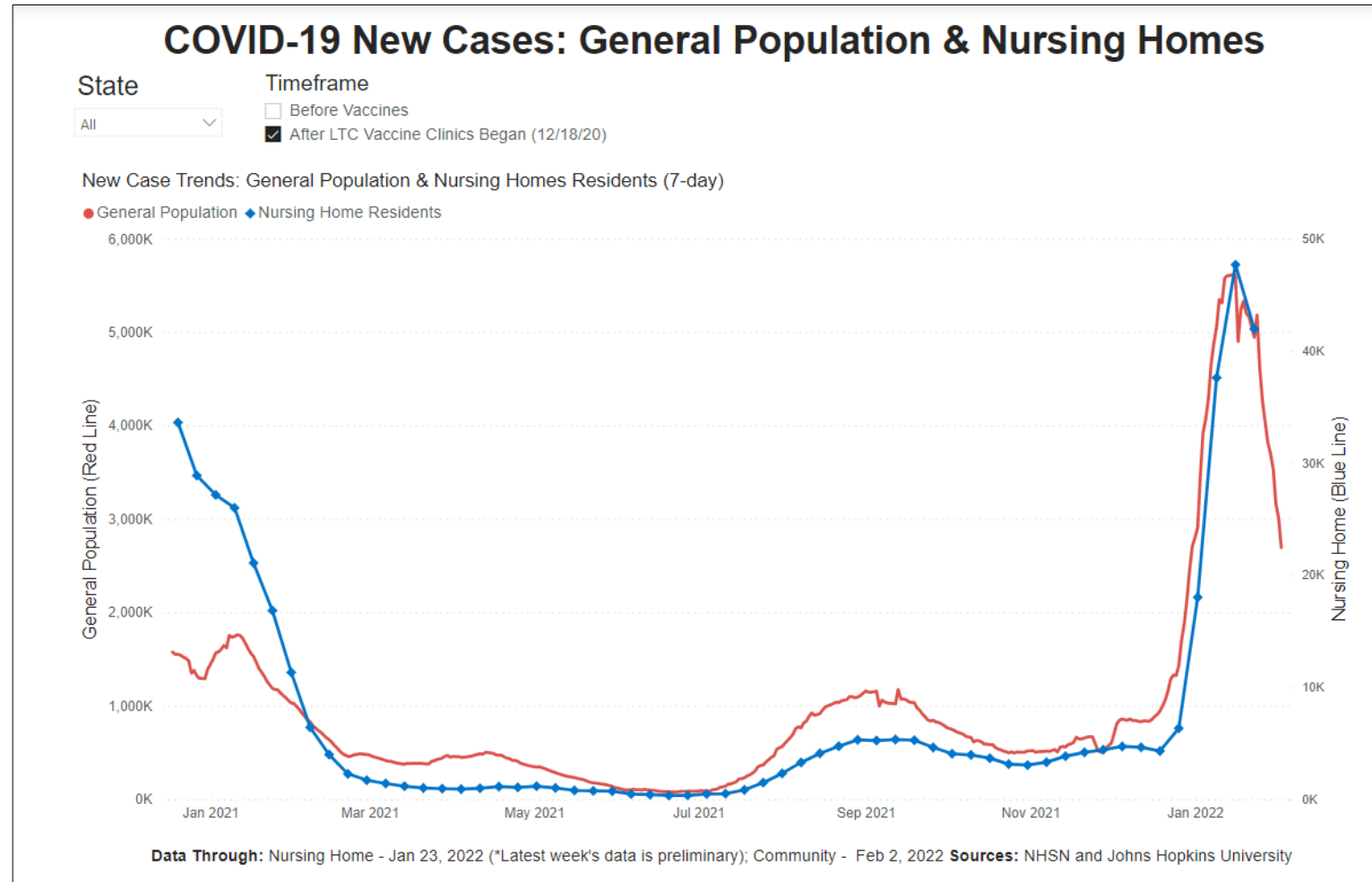
Source: NHSN Data



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Notice how community spread continues to be linked to COVID-19 outbreaks in nursing homes.

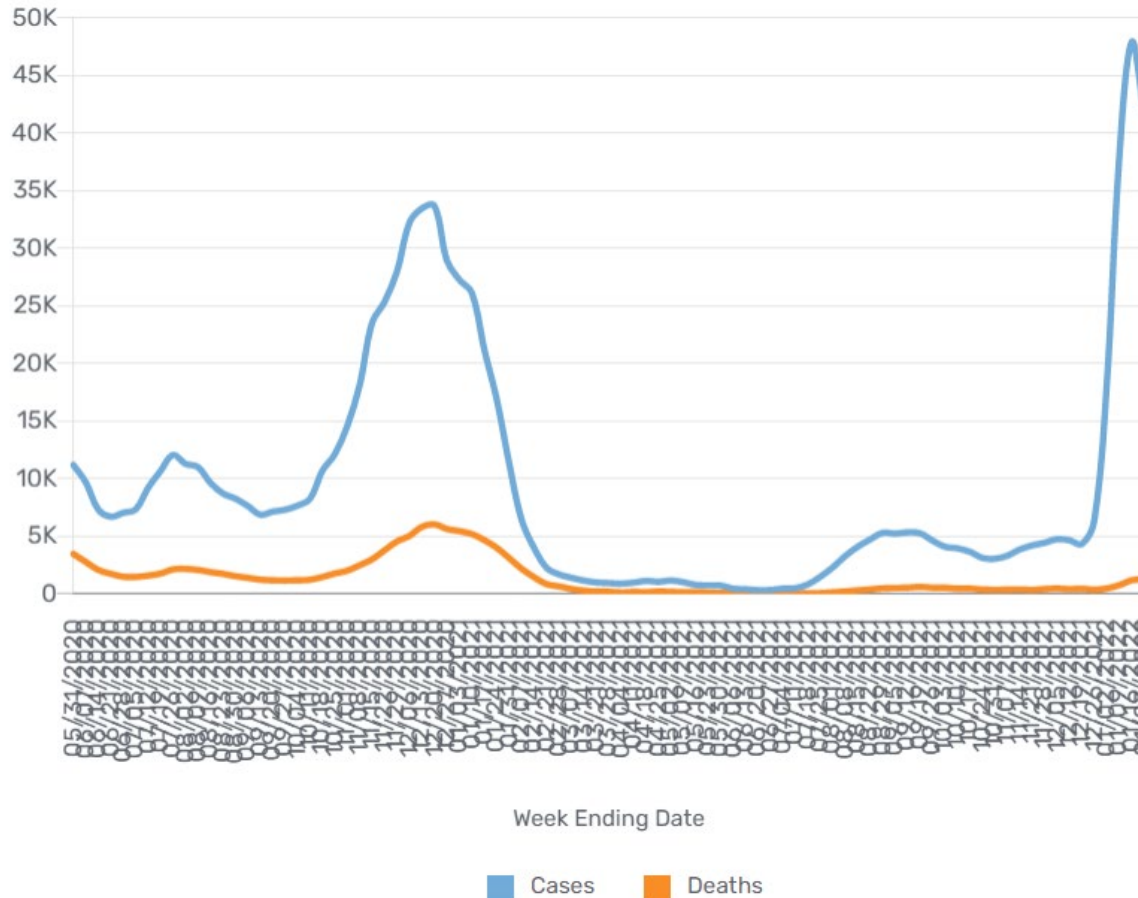


<https://www.ahcancal.org/Data-and-Research/Pages/default.aspx>

In January, there was a significant increase in resident cases.

Weekly Resident COVID-19 Confirmed Cases and Deaths

Note: The most recent week's data is considered preliminary and will be updated the following week.



**Week ending
01/23/2022**

Residents Weekly
Confirmed
COVID-19

41,966 cases

Residents Weekly
COVID-19 Deaths

1,297 deaths

Week ending 12/26/2021

Residents Weekly Confirmed COVID-19

6,398 cases

Residents Weekly COVID-19 Deaths

387 deaths

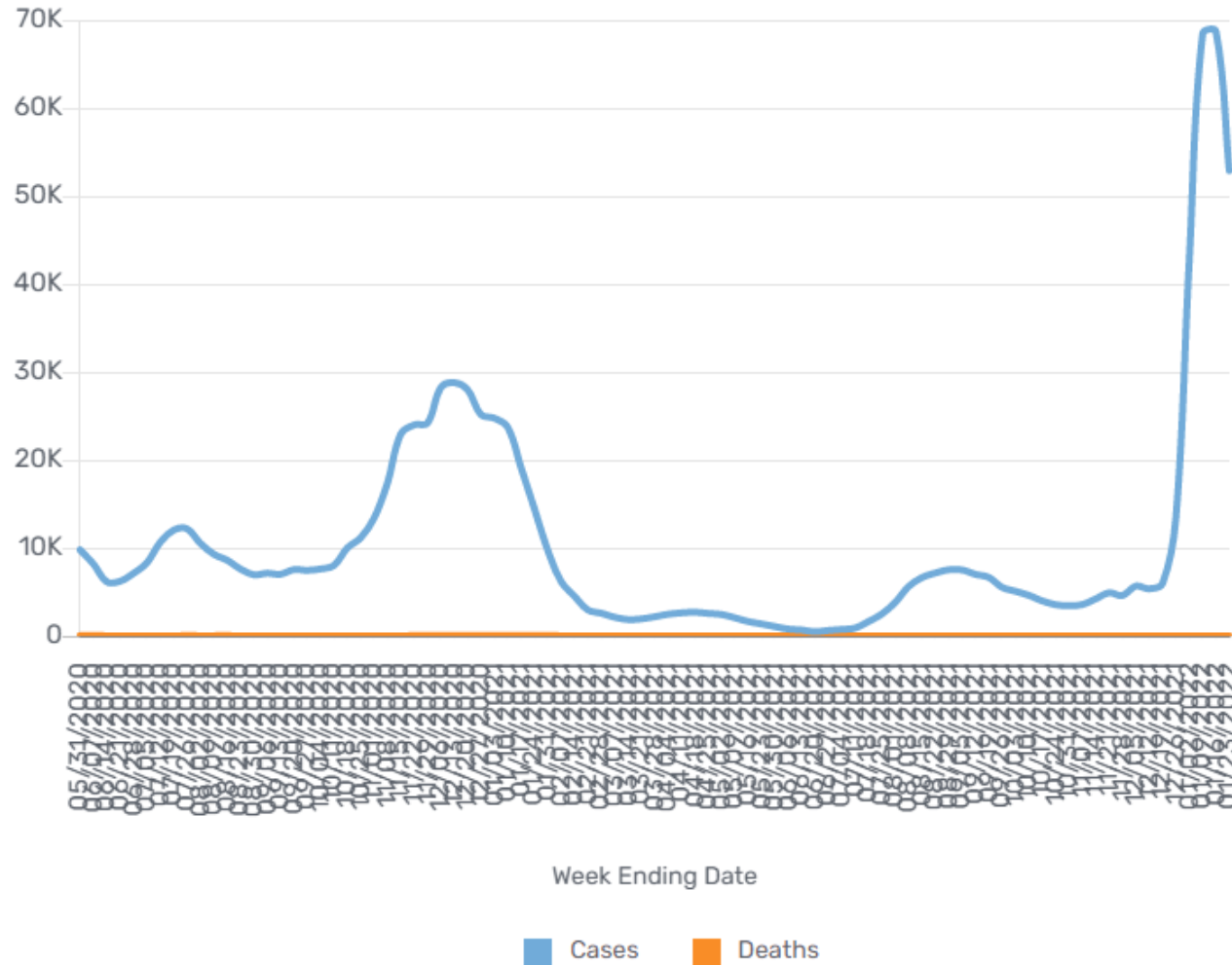
As a result of the increase in cases,
some residents have died.

Source: <https://data.cms.gov/covid-19/covid-19-nursing-home-data>

Staff cases increased during January too.

Weekly Staff COVID-19 Confirmed Cases and Deaths

Note: The most recent week's data is considered preliminary and will be updated the following week.



Week ending 01/23/2022

Staff Weekly Confirmed COVID-19

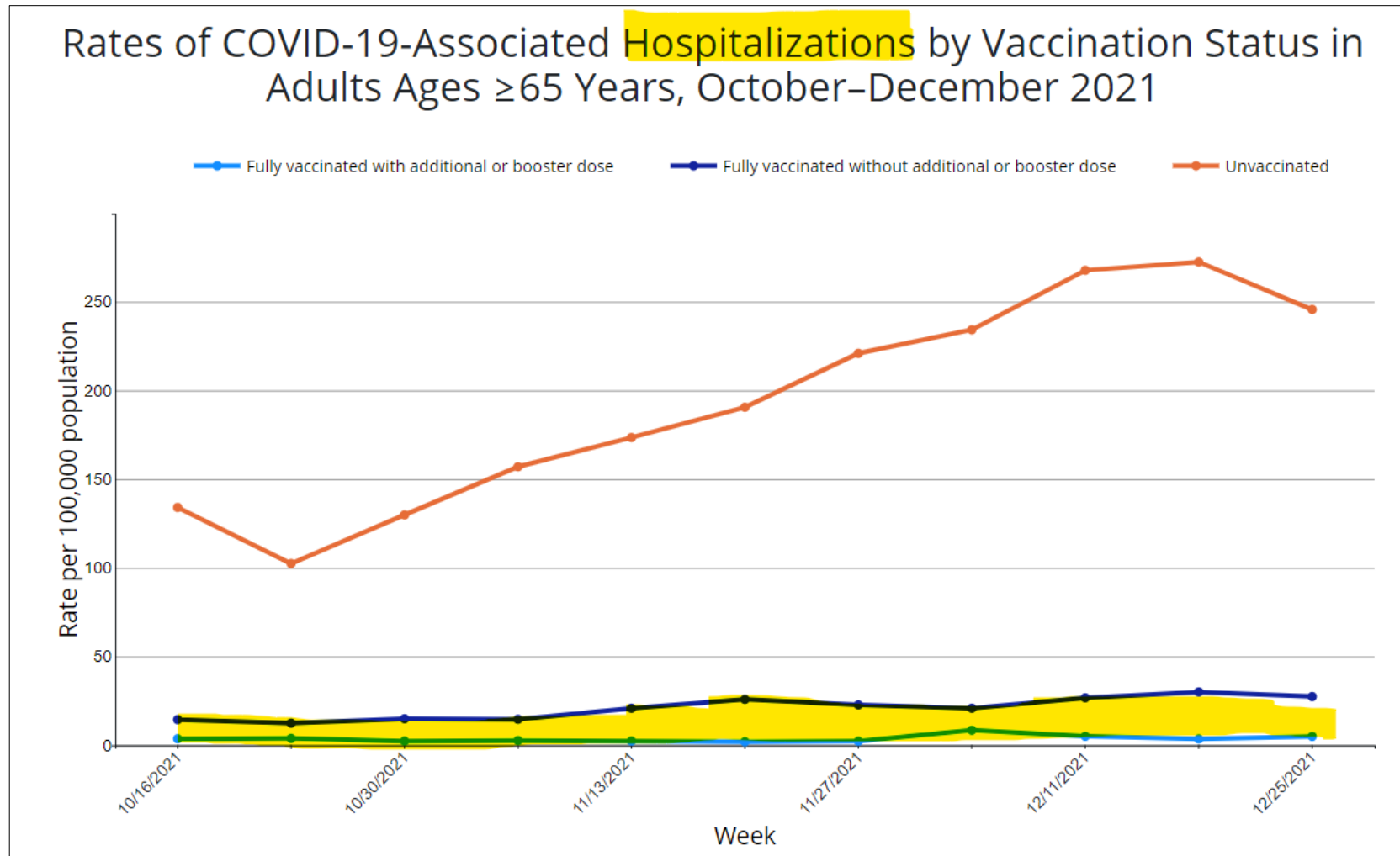
52,889 cases

Staff Weekly COVID-19 Deaths

24 deaths

With staff testing positive for COVID-19 at the highest rate during this pandemic, residents remain at risk from getting sick from COVID-19.

COVID-19 vaccines remain effective and offer protection from hospitalization compared to unvaccinated.



Booster and Additional Primary Dose COVID-19 Vaccinations Among Adults Aged ≥ 65 Years — United States, August 13, 2021–November 19, 2021

Weekly / December 17, 2021 / 70(50);1735-1739

On December 10, 2021, this report was posted online as an MMWR Early Release.

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[View suggested citation](#)

Summary

What is already known about this topic?

Although COVID-19 vaccines are highly effective, vaccine effectiveness wanes over time, and adults aged ≥ 65 years are at increased risk for severe COVID-19-associated illness. Booster and additional primary vaccine doses increase protection.

What is added by this report?

During August 13–November 19, 2021, 18.7 million persons aged ≥ 65 years received a booster or additional primary dose of COVID-19 vaccine, constituting 44.1% of eligible persons aged ≥ 65 years. Coverage differed by primary series vaccine product and race/ethnicity.

What are the implications for public health practice?

Strategic efforts are needed to encourage eligible persons aged ≥ 18 years, especially those aged ≥ 65 years and those who are immunocompromised, to receive a booster and/or additional primary dose to ensure maximal protection against COVID-19.

Article Metrics

Altmetric:



News (24)
Blogs (1)
Twitter (125)
Facebook (2)
Mendeley (13)

Citations: 1

Views: 48,925

Views equals page views plus PDF downloads

[Metric Details](#)

https://www.cdc.gov/mmwr/volumes/70/wr/mm7050e2.htm?s_cid=mm7050e2_w

CDC & CMS want the highest level of protection for our residents.

Booster = Highest protection = *Up to date*



Percentage of Residents in Nursing Homes with Complete COVID-19 Vaccination Receiving Additional Primary or Booster Dose, by Week – United States

Complete Vaccination: The percentage of residents who received all doses required to be fully vaccinated. **Additional primary or booster dose:** An additional dose refers to a subsequent dose of vaccine administered to people who likely did not mount a protective immune response after initial vaccination. A booster dose refers to a subsequent dose of vaccine administered to enhance or restore protection by the primary vaccination which might have waned over time.

Select By State

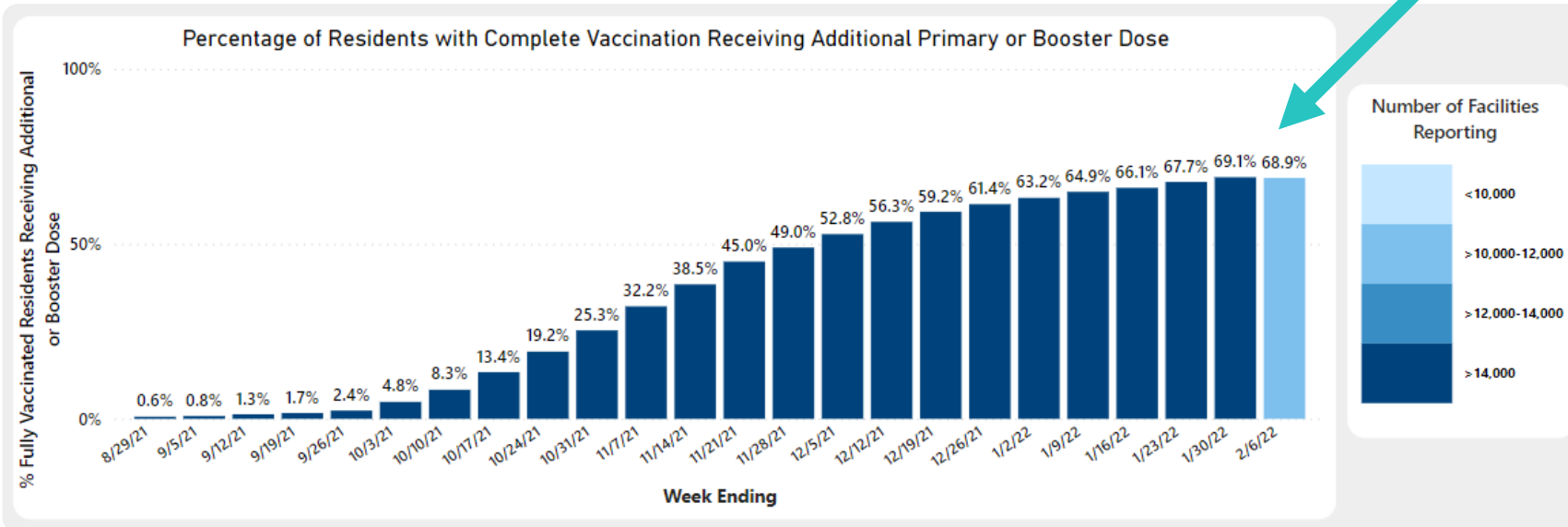
All

Select By Region

All



Week Ending 2/6/22
% Receiving Booster Dose 68.9%
Facilities Reporting 10,648



For weeks ending 8/29-9/26, facilities reporting 100% of fully vaccinated individuals received an additional primary or booster dose were excluded. Data for the most recent week are still accruing.

Data source: Centers for Disease Control and Prevention, National Healthcare Safety Network: Accessibility: [Right click on the graph area to show as table]

For more information: <https://www.cdc.gov/nhsn/ltc/weekly-covid-vac/index.html>

Data as of 2/7/2022 5:30 AM

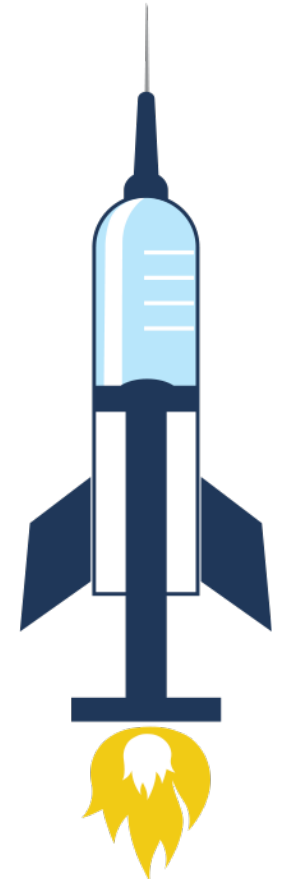
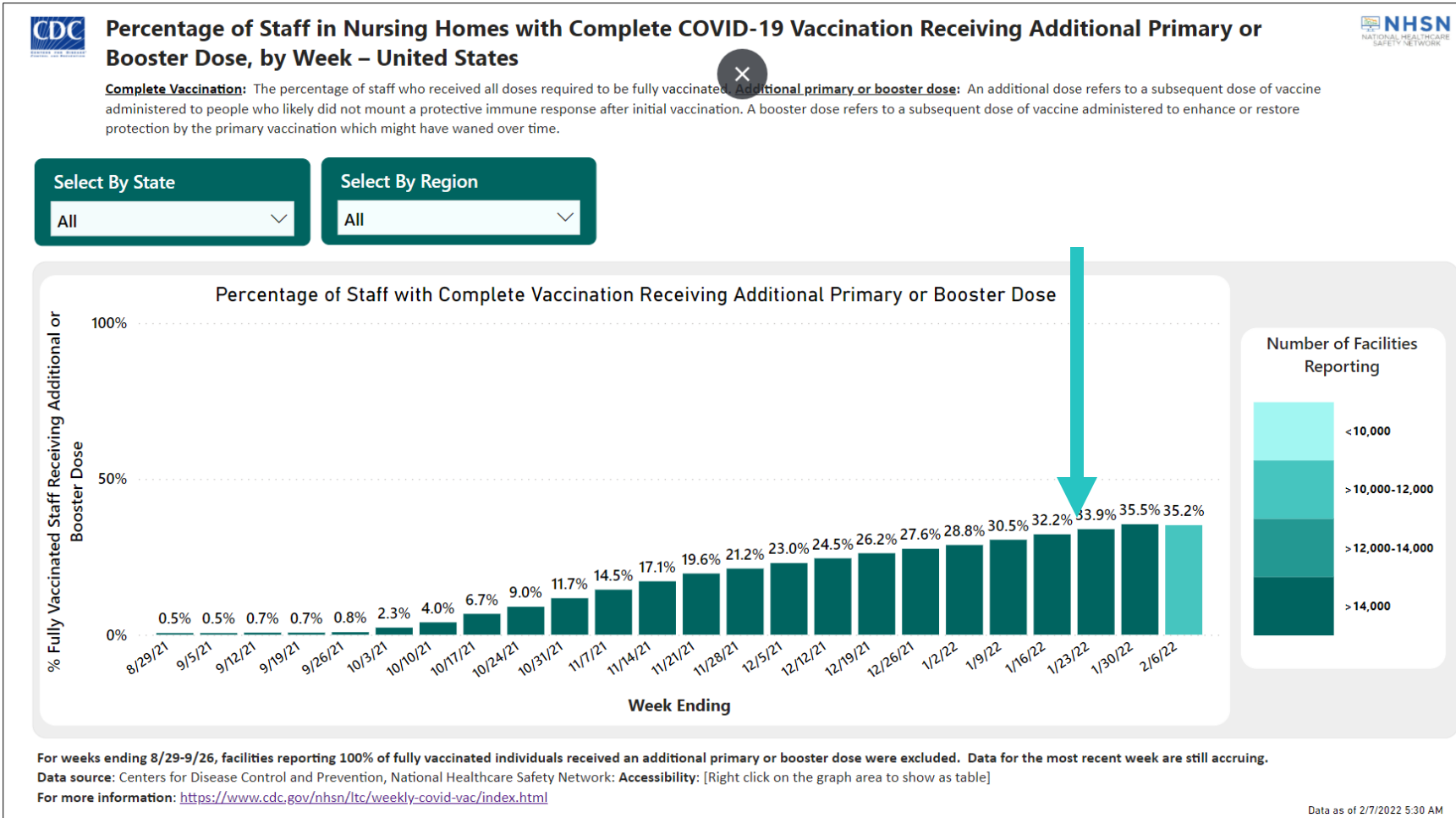
<https://www.cdc.gov/nhsn/covid19/ltc-vaccination-dashboard.html#4>



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Only 35% of staff are boosted, adding to the risk for residents.

The staff builds a protective wall around the residents if they get boosted.



<https://www.cdc.gov/nhsn/covid19/ltc-vaccination-dashboard.html#4>

The Case for the Booster:

Getting Your Residents Boosted for COVID-19 Provides the Highest Level of Protection from COVID-19



- COVID-19 vaccines continue to be very effective and offer protection from hospitalization compared to unvaccinated.
 - However, cases among residents and staff began surging on 12/20/21.
 - Unfortunately, as a result of the increased cases, some residents have been admitted to the hospital and died from COVID-19.
 - **MMWR reports vaccine effectiveness declines >5 months after the 2nd dose of Pfizer or Moderna shots and increases after a third dose.**
 - CDC & CMS want the highest protection for our residents. Boosters (up-to-date with vaccination) offer the highest protection.
 - Currently, only ~ 69% of residents are boosted, and only 35% of staff are boosted. A high rate of staff who are up-to-date with vaccinations (boosted) will build a protective wall around the residents.
 - Residents remain at-risk until both residents and staff are up to date with COVID-19 vaccination.
- ❖ Please educate your residents and staff to get the booster shot so everyone in your facility will have the highest level of protection from COVID-19.

<https://www.cdc.gov/mmwr/volumes/71/wr/mm7104e3.htm>

https://www.cdc.gov/mmwr/volumes/70/wr/mm7050e2.htm?s_cid=mm7050e2_w

Current Facility Numbers Published on Data.CMS.gov

By the numbers

87.4%

National Percent of Vaccinated Residents per Facility

68.3%

National Percent of Vaccinated Residents with Booster Doses per Facility

82.7%

National Percent of Vaccinated Staff per Facility

33.3%

National Percent of Vaccinated Staff with Booster Doses per Facility

942,792

Total Resident COVID-19 Confirmed Cases

148,612

Total Resident COVID-19 Deaths

999,628

Total Staff COVID-19 Confirmed Cases

2,303

Total Staff COVID-19 Deaths

Do you post your facility's vaccine and booster rate for HCP and residents?

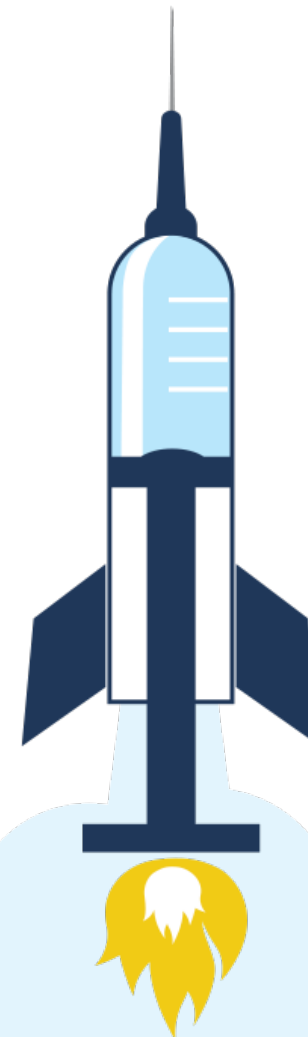
What about your community rate?

Review and verify on the CMS website each week.



<https://data.cms.gov/covid-19/covid-19-nursing-home-data>

NHSN Updates



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NHSN tracking sheets as a best practice for improving boosters and vaccination rates

Download and USE the [tracking sheets](#) to guide your vaccination tracking and reporting. *PDSA example for your QAPI.*

*Vaccinated with Dose 1 (Enter date of vaccination 1)	*Dose 1 Vaccine Manufacturer Name (choose from drop-down)	*Vaccinated with Dose 2 (Enter date of vaccination 2)	*Dose 2 Vaccine Manufacturer Name (choose from drop-down)	Is Vaccination Series Complete? (Please Enter YES/NO for Red Cells)
3/29/2021	Pfizer_BioNTech	4/29/2021	Pfizer_BioNTech	YES
3/29/2021	Pfizer_BioNTech	4/29/2021	Pfizer_BioNTech	YES
3/29/2021	Pfizer_BioNTech	4/29/2021	Pfizer_BioNTech	YES
3/29/2021	Pfizer_BioNTech	4/29/2021	Pfizer_BioNTech	YES
3/29/2021	Pfizer_BioNTech	4/29/2021	Pfizer_BioNTech	YES
12/25/2021	Pfizer_BioNTech			
12/25/2021	Pfizer_BioNTech			
12/21/2021	Moderna			
9/21/2021	Moderna	10/21/2021	Moderna	YES

*Eligible for Additional/Booster Dose?	Additional/Booster Dose Vaccination Date? (enter date)	Additional/Booster Dose
YES_Addn	12/20/2022	
YES_Addn	12/20/2022	
YES_Addn		
YES_Addn		
YES_Addn	12/20/2022	
NO_Addn		
NO_Addn		
NO_Addn		
NO_Addn		

Additional Comment (optional)	Vaccination Education Provided (Enter Date)
	12/30/2021
	1/1/2022
	1/1/2022
	1/2/2022
	1/2/2022
needs second dose 1/25/22	1/2/2022
needs second dose 1/25/22	1/5/2022
needs second dose 1/21/22	1/5/2022
eligible for booster 3/21/22	1/10/2022
eligible for booster on 1/15/2022	1/12/2022
	1/12/2022
needs second dose 2/20/2021	1/15/2022

Tip: Make the consent forms easy and available to both residents, families and staff —include consent forms with employee hire packets and admission paperwork for residents. Document consent received and date of next dose on the tracking sheets under the comment section.

Recent Updates in NHSN

Weekly NHSN COVID-19 Vaccination Data Modules

1. The question of individuals eligible for an additional dose or booster dose (currently question 4 on the data collection) will be removed **since most individuals are now eligible for a booster dose according to the latest CDC guidelines** ([Interim Clinical Considerations for Use of COVID-19 Vaccines | CDC](#)). This will also simplify data reporting for facilities.

Important: Please continue to track your internal data for who is eligible to get boosted on the excel tracking sheets so you can schedule in a timely manner.

<https://www.cdc.gov/nhsn/pdfs/hps/covidvax/protocol-hcp-508.pdf>

Recent Updates in NHSN

Weekly NHSN COVID-19 Vaccination Data Modules

2. The CDC updated COVID-19 vaccination data reporting guidance to include vendors under the “other contract personnel” category **if they are regularly scheduled to work in the facility**, regardless of clinical responsibility or patient contact. Facilities should begin reporting data on vendors from this point forward. If possible, facilities should revise data reported for prior weeks in accordance with this new guidance. For more information, please see the updated frequently asked questions, specifically questions 14 and 15, under the “Data Reporting: General” section: [FAQs on Reporting COVID-19 Vaccination Data | NHSN | CDC](#).

**HCP -eligible to have worked include individuals who are scheduled to work in the facility at least one day every week...*

Reference the new COVID-19 Vaccination Protocol:

<https://www.cdc.gov/nhsn/pdfs/hps/covidvax/protocol-hcp-508.pdf>

List of Contracted and Vendor Healthcare Personnel

(Examples, not exhaustive)

- Admitting staff/clerical support/registrars
- Agency nurses
- Ambulance drivers (who enter the facility to assist with transportation)
- Biomedical engineers
- Central supply staff
- Chaplains
- Construction workers (working inside the facility)
- Dietary/food service staff
- Dieticians
- Dialysis technicians
- EKG technicians
- EMG technicians
- Home health aides
- Housekeeping staff
- Information Technology staff
- Laboratory: Phlebotomists
- Laboratory: Technicians
- Landscapers (working inside the facility)
- Laundry staff
- Maintenance staff/engine
- Nursing aides
- Occupational therapists
- Patient care technicians
- Patient transporters
- Pharmacists
- Pharmacy/medication technicians
- Physical therapists
- Psychologists
- Psychology technicians/Mental health workers
- Radiology: X-ray technicians
- Recreational therapists/Music therapists
- Respiratory therapists
- Security staff
- Social workers/Case managers
- Speech therapists
- Surgical technicians
- Traveling nurses
- Ultrasound technicians
- Utilization review nurses

Recent Updates in NHSN

New data quality check manual. Please review this manual to make sure you are reporting correctly and by the case definitions.

<https://www.cdc.gov/nhsn/pdfs/hps/covidvax/monthly-dq-508.pdf>

NHSN has created tutorials to help you generate your own analysis reports. Use these to help you verify your internal NHSN data accuracy.

New! [Facility Line Listing: All COVID-19 Vaccination Cumulative Summary Data – Additional or Booster Doses – January 2022 pdf icon\[PDF – 600 KB\]](#)

New! [Long Term Care Line Listing: All COVID-19 Vaccination Cumulative Detailed Data – Residents – January 2022 pdf icon\[PDF – 700 KB\]](#)

New! [Weekly COVID-19 Vaccination Reporting – Long Term Care Facility – January 2022 pdf icon\[PDF – 600 KB\]](#)

Challenge: Try to attend at least 1 BOOST Event

Upcoming Office Hours & Registration Links:

You will receive AANC contact hours if you complete the poll after the webinar

[BOOST Office Hours | Mar. 3, 2022](#)

[BOOST Education Event | Mar. 2, 2022](#)

[BOOST Office Hours | Feb. 24, 2022](#)

[BOOST Educational Event | Feb. 23, 2022](#)

Each Tuesday, you will receive a [newsletter](#) with a best practices, updated guidance, posters, and education.

Weekly Booster Bulletin Feb 15th (did you receive yours?)

[Weekly Booster Bulletin Feb 8th](#)

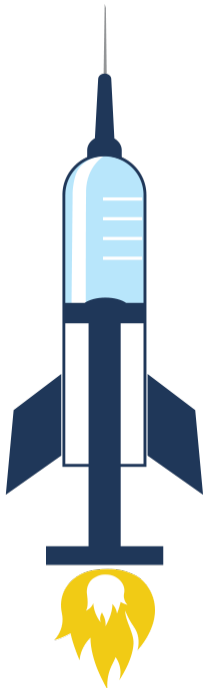
[Weekly Booster Bulletin Feb 1st](#)

[Weekly Booster Bulletin Jan 25th](#)

Give The BOOST A Shot Resources

<https://quality.allianthealth.org/topic/give-the-boost-a-shot/>

Recent [BOOST Webinar with a Summary of the Recent Infection Prevention Guidelines](#) (Amy Ward, Feb 10th)



Reference Links



1/7/2022 Nursing Home Infection Prevention & Control Assessment Tool

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/assessment-tool-for-nursing-homes.html>

12/23/21 [Nursing Home Visitation Frequently Asked Questions \(cms.gov\)](#)

Vaccination Mandate

12/28/21: [QSO-22-07-ALL \(cms.gov\)](#) North Carolina, Florida, Tennessee (As of 12/29/21 Does not apply to: Alabama, Georgia, Kentucky, Louisiana.)

Facility staff COVID-19 vaccination rates under 100% constitute non-compliance under the [rule](#).

[QSO-22-07 ALL Long-Term Care and Skilled Nursing Facility \(cms.gov\)](#) (Attachment A) page 6.

<https://www.cms.gov/files/document/qso-22-07-all-attachment-ltc.pdf>

12-28-21 Booster updates [Who Is Eligible for a COVID-19 Vaccine Booster Shot? | CDC](#)

All CMS regulatory updates can be found here: [Policy & Memos to States and Regions | CMS](#) and [Nursing Homes | CMS](#)

CDC COVID-19 What's new and updated: <https://www.cdc.gov/coronavirus/2019-ncov/whats-new-all.html>

Objectives Check-In

Learned yesterday:

- Create an NHSN notebook ([Nov. Shop Talk](#))
- Generate a data validation report in NHSN ([Dec. Shop Talk](#))
- [January Shop Talk](#)
 - [Download new tracking sheet](#)
 - [Deactivate former staff who no longer should have access](#)
 - How to check your NHSN data for timeliness and accuracy
 - [Don't report ZERO for Vaccination numerator](#) (#2)

Learn today:

- Booster data changes in NHSN
- Understanding your NHSN data & using for impact

Use tomorrow:

- Continue to use your tracking sheets to determine who needs a vaccine or booster dose
- Check your data for accuracy and completeness weekly (in three places)
- Use your NHSN data for action and quality improvement



How will this change what you do? Please tell us in the poll.

Shop Talk Shorts YouTube Channel

Instructional videos to answer technical questions related to NHSN

[Help! I am new & no one has NHSN access](#)

[How do I find out who has access to my facility?](#)

[How do I add users and rights to our NHSN account?](#)

I got a new job. [Can I use my grid card to access my new facility?](#)

[How do I change my email address for NHSN & SAMS?](#)

[I am leaving, how do I reassign another NHSN facility administrator?](#)

[How do I generate a report in NHSN to see my vaccine data and dates submitted?](#)

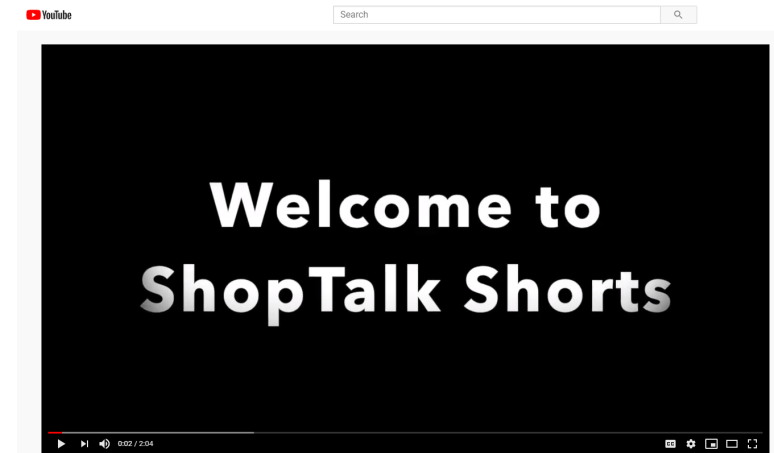
I want to receive technical assistance. [How do I join Alliant Quality's NHSN Data Group?](#)

[Generate an analysis report](#) to verify your data.

[How do I use Tracking Sheets for submitting my vaccine data into NHSN?](#)

Bookmark our FAQ YouTube channel for easy reference to frequent NHSN issues:

<https://www.youtube.com/playlist?list=PLXWmxni-xNHspWHhLlIrrqcLGzXZPljIF>



Questions?

Please put your questions
into the Q&A.



Closing Survey

Help Us Help You!

- Please turn your attention to the poll that has appeared in the lower right-hand side of your screen.
- Completion of this survey will help us ensure our topics cater to your needs.



Thank You for Your Time!

Contact the Patient Safety Team



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Mark Your Calendar!



Shop Talk: 3rd Thursdays at 2 p.m. ET

Registration Links:

[March 17, 2022](#)

[April 21, 2022](#)

[May 19, 2022](#)

Visit our website for more info:

<https://quality.allianthealth.org/topic/shop-talks/>

CMS 12th SOW Goals



Behavioral Health Outcomes & Opioid Misuse

- ✓ Promote opioid best practices
- ✓ Decrease high dose opioid prescribing and opioid adverse events in all settings
- ✓ Increase access to behavioral health services



Patient Safety

- ✓ Reduce risky medication combinations
- ✓ Reduce adverse drug events
- ✓ Reduce C. diff in all settings



Chronic Disease Self-Management

- ✓ Increase performance on ABCS clinical quality measures (i.e., aspirin use, blood pressure control, cholesterol management, cardiac rehab)
- ✓ Identify patients at high-risk for developing kidney disease & improve outcomes
- ✓ Identify patients at high risk for diabetes-related complications & improve outcomes



Quality of Care Transitions

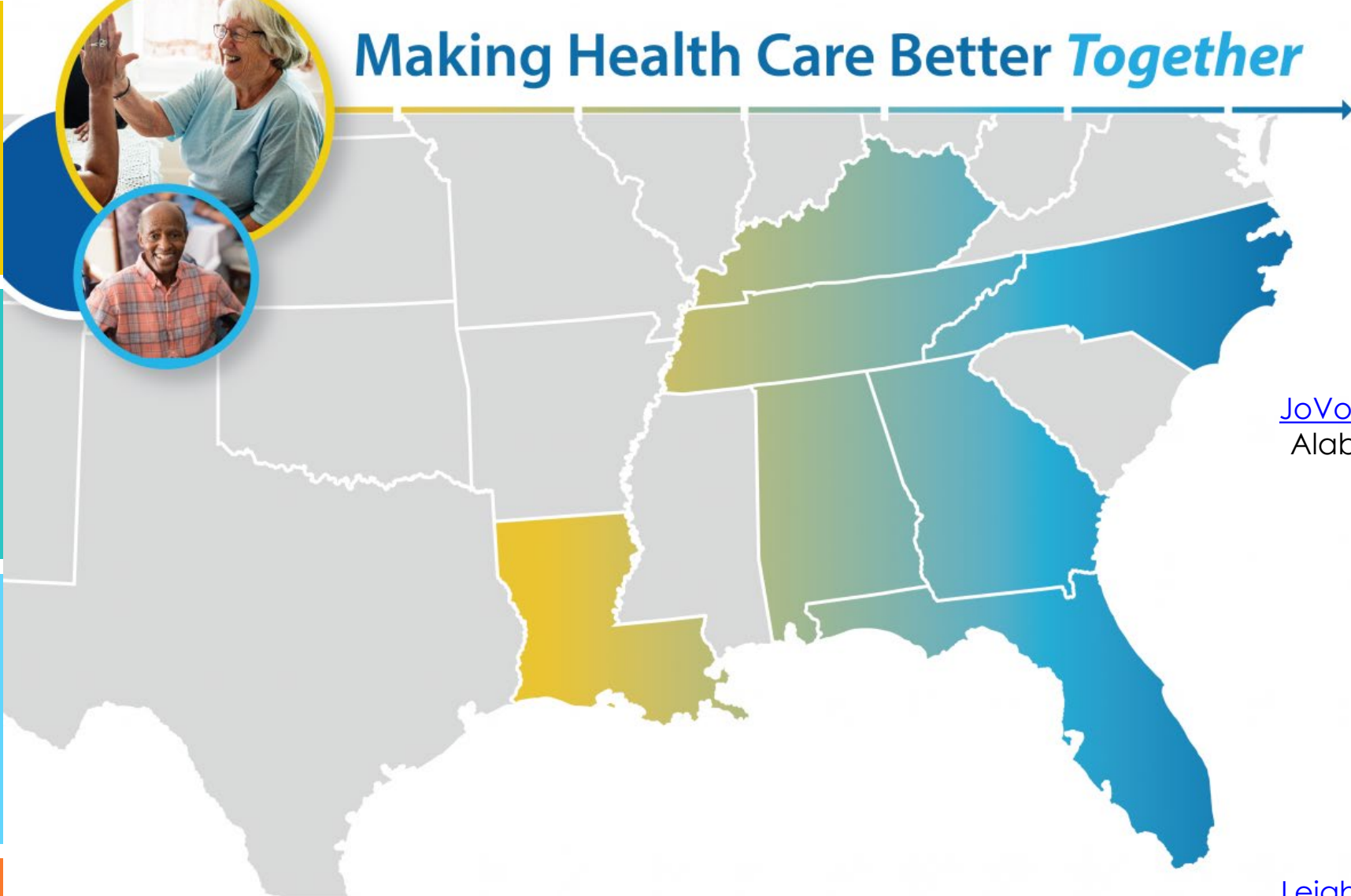
- ✓ Convene community coalitions
- ✓ Identify and promote optimal care for super utilizers
- ✓ Reduce community-based adverse drug events



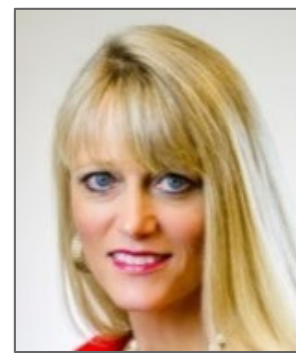
Nursing Home Quality

- ✓ Improve the mean total quality score
- ✓ Develop national baselines for healthcare related infections in nursing homes
- ✓ Reduce emergency department visits and readmissions of short stay residents

Making Health Care Better *Together*

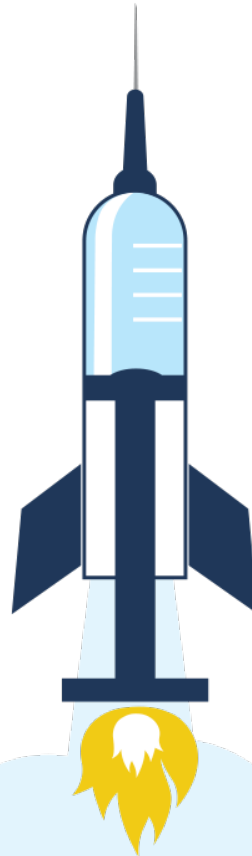


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Making Healthcare Better *Together*

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