

Improving Adult Immunization Coverage in Post-Acute and Long-Term Care: *The Moving Needles Project*

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National Adult and Influenza Immunization Summit

Background

The Association: Paltmed (the next generation of AMDA)

- The only medical specialty society representing medical directors, physicians, and other practitioners in post-acute and long-term care (PALTC) settings
- Received a CDC non-research cooperative agreement in Fall 2021 (IP21-2111) which is how the Moving Needles project launched



Monthization Summive edes: Overview

Goal:

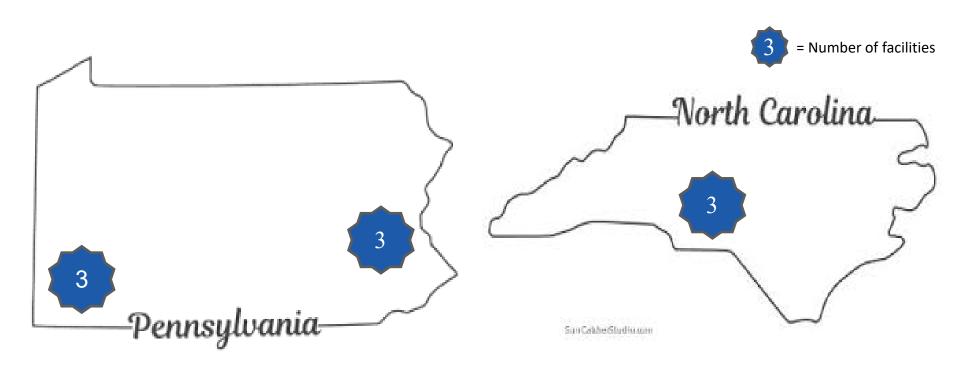
 Make routine adult immunizations a standard of care for PALTC residents and an expectation for staff



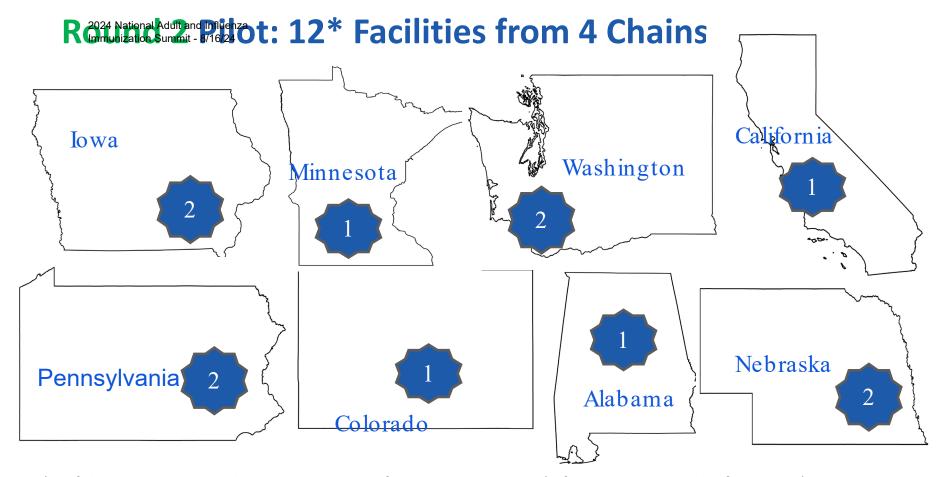
Main Components:

- 1. Aligning immunization policies and procedures in PALTC
- 2. Integrating Immunization Information Systems (IISs) into workflows and EHR systems
- 3. Cost benefits analysis
- 4. Developing an immunization toolkit
- 5. Implementing quality improvement interventions in PALTC pilot sites to improve routine adult vaccination for residents and staff

Round 1 Pilot: 9 Facilities from 3 Chains



Data collected from July 2022 to May 2023



^{*3} of the 12 sites did not have data available for this presentation (2 from Nebraska and 1 from Iowa)

Data collected from July 2023 to May 2024

About the Sites and Vaccines Tracked During the Project

Facility size:

- 45 530 beds
- 35 245 staff

Resident Vaccinations:

- COVID-19
- Influenza
- Pneumococcal
- Tdap
- Shingles

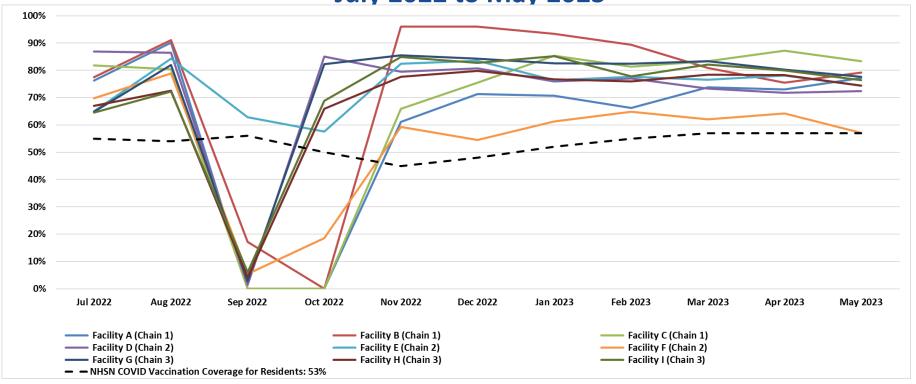
Staff Vaccinations:

- COVID-19
- Influenza
- Hepatitis B



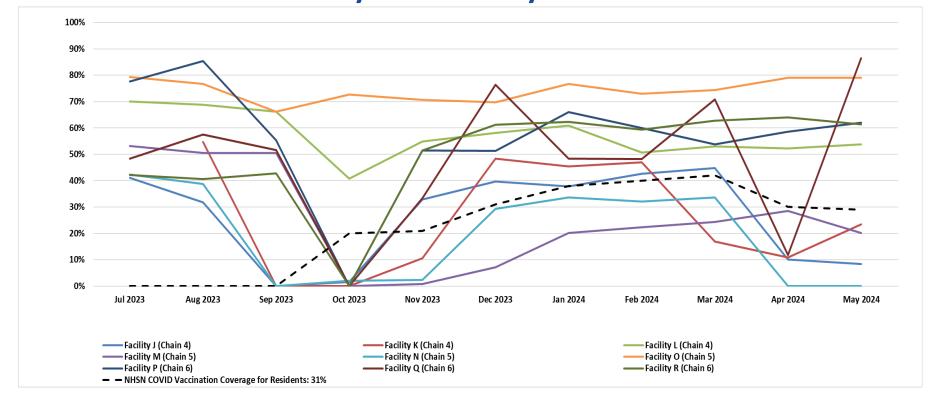
Resident COVID-19 Vaccination Data

Residents Adult and Induction Summit - 8/16/24 July 2022 to May 2023



- Most facilities got back to or exceeded their pre-bivalent booster numbers within 1-2 months of the bivalent introduction in Sept 2022
- All facilities exceeded National Healthcare Safety Network (NHSN) vaccination coverage for residents

Residents in Around 2 Sites: COVID-19 Vaccination Coverage Percentages July 2023 to May 2024



• 5 of the 8 sites were above the national average by May 2024 for both doses (1st dose was introduced in Sept 2023 and 2nd dose was introduced in April 2024)

Resident Adult and Influenza 19 Vaccines: The Stories Behind the Graphs

Standard Operating Procedures, including:

- Using IIS for finding vaccination histories
- Reviewing data at Quality Assurance and Performance Improvement meetings
- > Introducing a multi-vaccine consent form on admission
- Work well for residents, but can be hard to maintain with staffing turnover

Commercialization

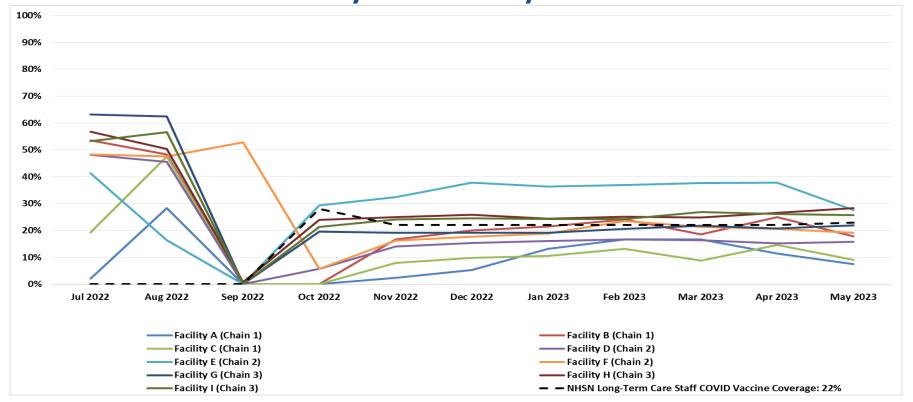
- Part A stay residents can only have Part B vaccines billed by the facility, not the pharmacy, which some facilities struggle with. This can create workflow challenges and barriers to offering vaccine on admission

Vaccine Fatigue

- Did not seem to be a major factor

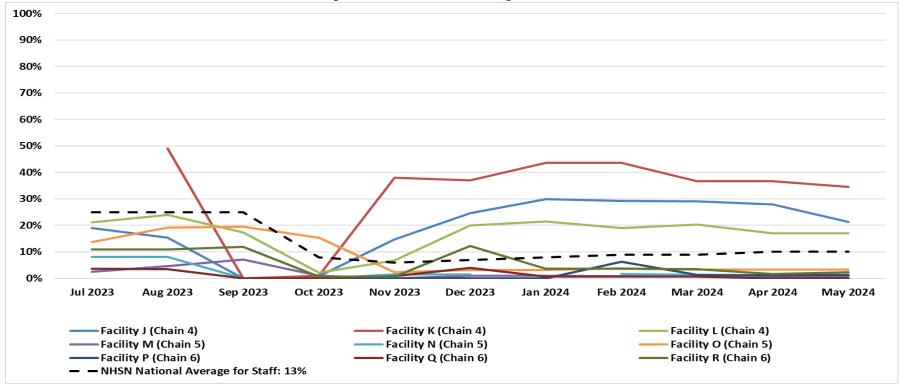
Staff COVID-19 Vaccination Data

Staff in Round 1 Sites: COVID-19 Vaccination Coverage Percentages Immunization Summit - 8/16/24 July 2022 to May 2023



- Bivalent booster introduced in September 2022
- Staff reflect the communities from which they come. Coverage was low but exceeded local averages

Staff in Round of 2 lites: COVID-19 Vaccination Coverage Percentages July 2023 to May 2024



- The 2023-24 vaccine introduced in September 2023
- Only 3 of 9 facilities exceeded national average all 3 facilities offered the vaccine onsite to staff

Staff Introduction of Influence Vaccines: The Stories Behind the Graphs

Standard Operating Procedures

- Checking status on hire works well, as does having a peer champion
- Offering vaccine outside of normal clinic times, more than once, to all shifts
- Offering vaccine multiple times to staff who are resistant can push them further from the goal



Commercialization

- Due to the high cost of COVID-19 vaccine, most facilities were unable to offer vaccines to staff, despite many who were willing to be vaccinated if offered onsite
 - \$120 for COVID vs. \$18- \$30 for influenza vaccine
- LTC pharmacies contract with Medicare; staff who have insurance are considered out of network
- The end of the Bridge Access Program further complicated access

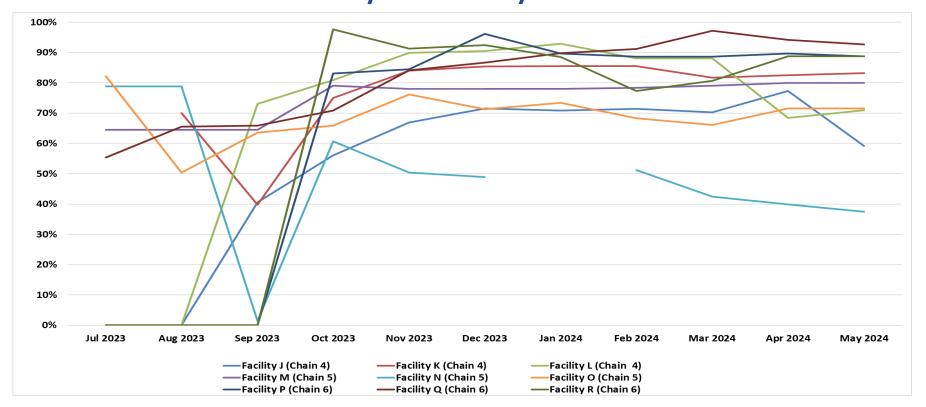
Staff_COVID-19 Vaccines: The Stories Behind the Graphs Immunization Summit - 8/16/24 (continued)

Fatigue

- Many logical reasons are given for refusal
 - e.g., staff are still getting sick even with being vaccinated so don't want to be out with both vaccine side effects and COVID-19
- However, vaccine fatigue among staff has not impacted Hep B or influenza vaccination coverage



Staff in Round 2 Sites: Influenza Vaccination Coverage Percentages Immunization Summit - 8/16/24 July 2023 to May 2024



- Using influenza vaccination as a COVID-19 comparator, fatigue may not be the issue
- Only 3 facilities have a flu vaccine mandate (facilities P, Q, & R in chain 6)

Systems, Culture, and Leadership

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Data

- Manual processes (Excel sheets) are often needed to track vaccinations
- Historical data hard to verify, and IISs vary in usefulness or allowing access
- Consent processes are dependent on LTC chain requirements

Staffing

- Many facilities rely on a single person to lead vaccination efforts, making it hard if they turnover or are on leave
- Understaffing makes it difficult to focus on vaccination efforts

Prioritization

- Immunizations compete with many other immediate health needs



- Vaccine culture among healthcare personnel has been focused on mandates throughout the pandemic, leading to concerns about lost jobs, lack of choice, etc.
- Through the pilots, we saw the importance of building trust and community
 - Incentives work in the context of building community and shifting to positive associations t-shirts, barbeques with the night shift before a vaccination clinic, etc.



2024 National Adult and Influenza (mrunization Surimit) 8/16/24

Having strong leaders at the chain level, in the facility, or ideally both can substantially improve outcomes



Available Resources

Available Resources

www.MovingNeedles.org

- Staff in-service and supervisor training
- EHR/IIS interoperability documents
- Newsletter (email <u>movingneedles@paltc.org</u>)
- Posters/fact sheets
- Billing guide

Acknowledgments

- AMDA/Paltmed Team
 - Elizabeth Sobczyk
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 - Ellen Schultz
- Participating LTC and Assisted Living Facilities

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For more information, contact CDC 1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.



Backup Slides

Vaccine Delivery in Long-Term Care

- Vaccines are traditionally offered through 2 workflow patterns:
 - On admission
 - > In clinics
- Long-term care (LTC) pharmacies are important partners that procure and store the vaccine
- Facilities can order vaccine and many administer it, breaking up the traditional model of payment for product and administration



Vac@dulization Summer to Property in Long-Term Care

- Medicare generally pays for first 30 days of stay in a facility through Part A, then residents pay privately or through Medicaid
 - Part A provides a global bundled payment for all services during this part of the stay.
 - However, vaccines can be carved out; the facility must bill Part B or the pharmacy must bill
 Part D
- After the Part A stay, the facility or the pharmacy can bill Part B. The pharmacy remains the only one that can bill Part D



Challenges

- Some facilities are not well equipped to bill Part B
- Some facilities do not have electronic systems that support ordering Part D vaccines
- LTC electronic health records were left out of Meaningful Use incentives and are further behind in public health connectedness and functionality

Beneficial Leadership Activities







Provide operational and problem-solving support



Be visible and supportive to facility staff



Develop standardized guidance and processes



Support use of data in decision making and quality meetings

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Summary

Residents:

Primary challenge for vaccinating residents is the complicated billing

Staff:

- Sites with vaccine access onsite (at no cost to the staff) have higher vaccine coverage than those without onsite vaccines
- Vaccine fatigue is limited to COVID-19 vaccine