

Improving Pneumococcal Pneumonia Immunizations in Long-Term Care

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AIM

Improve preventive care of Long-Term Care patients at The Salvation Army Buchanan Lodge by increasing vaccination prevalence for pneumococcal pneumonia by 30% in 6 months.

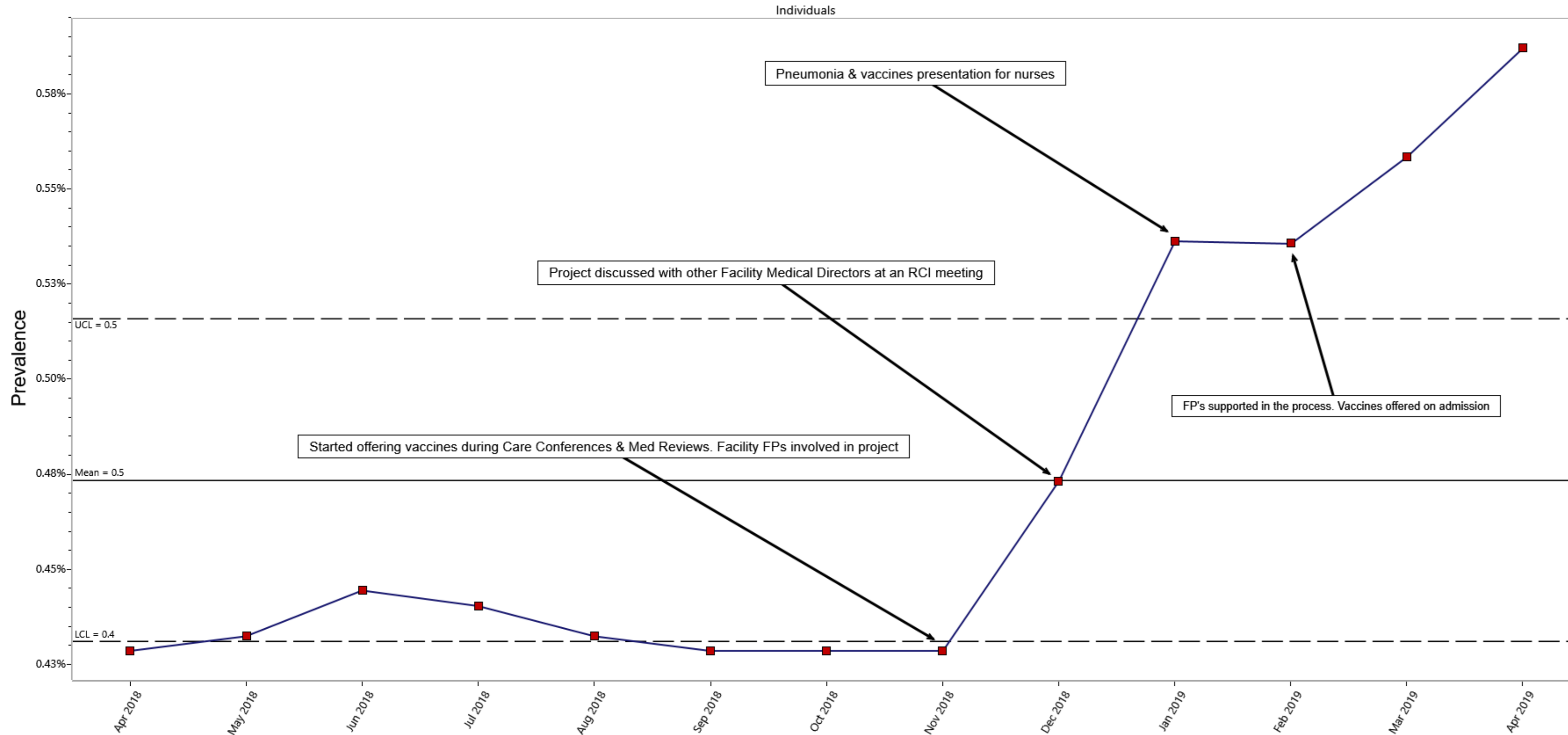
Background

- Pneumonia is a serious health problem in long-term care (LTCs) facilities; it can negatively impact patient quality of life (QoL).
- CDC recommends vaccines for all adults 65 years and older, including:
 - Pneumococcal Conjugate Vaccine 13 (Pneumovax approx. \$110)
 - Pneumococcal Polysaccharide Vaccine 23 (Pneumovax covered by Pharmacare)
- These vaccines are known to prevent pneumococcal pneumonia, thereby improving the QoL of LTC residents

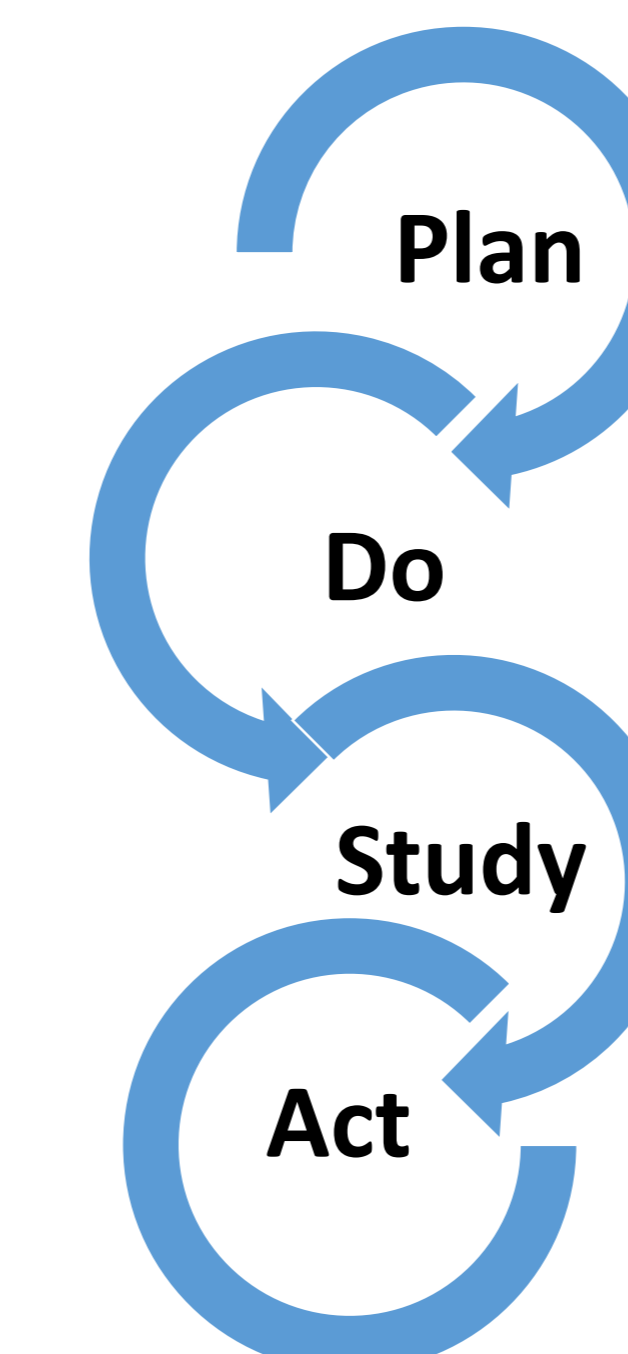
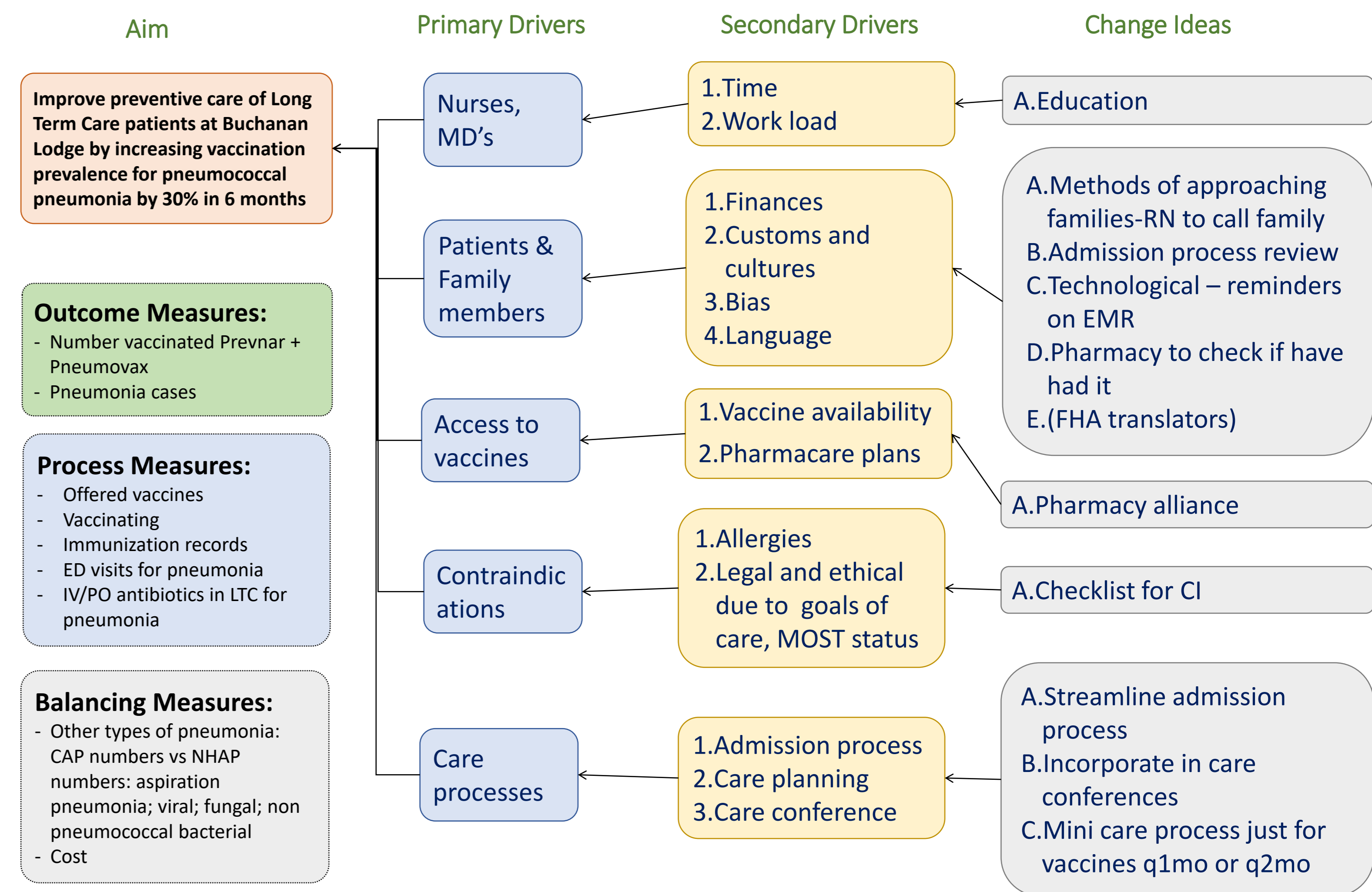
Results

- Increase in pneumonia vaccination prevalence after change implementation by about 50% in 6 months

Pneumococcal Pneumonia Immunization at Buchanan Lodge (LTC)



Project Design and Strategy



PDSA Cycle

- Possible lack of Prevnar & Pneumovax vaccine administration
- Look at current vaccine status, expect low vaccine prevalence
- EMR report on residents vaccine status
- Find vaccine status: **Yes, No, Unknown?**
- Findings: many patients with unknown status
- Increase staff & family education, offer Prevnar & Pneumovax vaccines during admissions, care conferences & med reviews

Changes Made

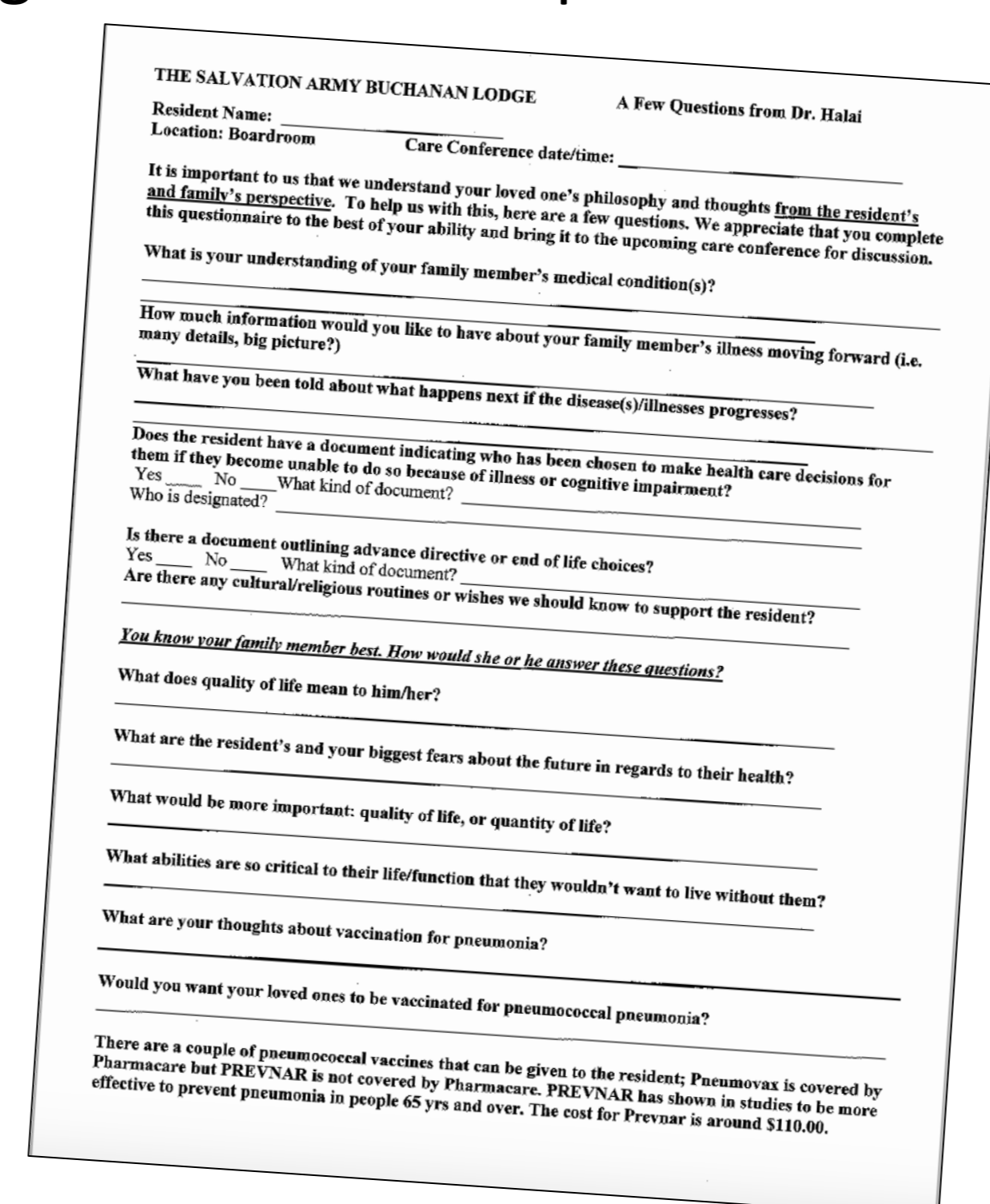
- Implemented vaccine education into care conferences with patients & their families.
- Included questions on patient & families' thoughts regarding immunization in pre-care conference forms.
- Nurses encouraged to ask families about vaccination after medical reviews.
- Facility Medical Director meetings to spread initiative to other LTC facilities.
- Pneumonia & vaccination educational presentation for nursing staff.
- Meeting with facility practitioners to discuss barriers to offering vaccines.

Nov 2018

Dec 2018

Jan 2019

Feb 2019



Lessons Learned

- Patients and their families are highly receptive and accepting of education on vaccines.
- Patients are likely to get vaccinated when vaccines are offered to them on a regular basis.
- Vaccination provision was a low priority for healthcare providers.
- Vaccines that do not include out of pocket payment are more likely to be accepted by patients.

Next Steps

Expand efforts to increase vaccine education to staff & families in other residential care facilities

Continued maintenance of education and vaccination of patients

Advocate for coverage for Prevnar by Pharmacare for high risk patients

References

- Center for Disease Control and Prevention. (2018) Vaccines and Preventable Diseases. Retrieved from <https://www.cdc.gov/vaccines/vpd/pneumo/public/index.html>
- Nace et al. Pneumococcal Vaccination Guidance for Nursing Home Residents: Recommendations from AMDA's Infection Advisory Committee. J Am Med Dir Assoc. 2017 February 01; 18(2): 99-104
- Colin G. Stevenson, Margaret A. McArthur, Monika Naus, Erika Abraham and Allison J. McGeer. CMAJ May 15, 2001 164 (10) 1413-1419

Team

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