

# Texas Long-Term Care Communities Study

RESIDENT INCONTINENCE CARE AND STAFF SATISFACTION IMPROVEMENT PROJECTS



## Introduction

Tranquility® product evaluation trials were conducted at two Texas LTC Communities. Each organization agreed to use Tranquility Premium superabsorbent briefs and underpads for a 30-day period in place of their existing brand products. Trial goals included improving clinical outcomes in the area of leakage/containment, skin health (IAD), odor reduction and falls, as well as increasing staff wellbeing.

### INDUSTRY STATISTICS ON PATIENT CARE

Prevalence of adverse events for LTC residents<sup>1</sup>

- Up to **75%** are incontinent
- **7%-23%** have IAD
- **4%** have skin rash
- **6%** have UTIs

Nursing home staff turnover (2021)<sup>2</sup>

- RN: **141%**
- CNA: **129%**
- LPN: **114%**

## Product Evaluation 1:

### Improving Resident Outcomes

Challenges in 30-day period prior to evaluation:

- 6 IAD wounds
- 7 incontinence-related falls
- 9 UTIs
- Incontinence Odor

## Trial Results Post 30-day evaluation:



**0%**  
Zero new IAD wounds formed;  
All existing wounds healed



**72%**  
Reduction in incontinence-related falls



**45%**  
Reduction in UTIs



**45%**  
Reduction in product usage after 4 weeks



Staff also reported that **incontinence odor was completely eliminated**

## Product Evaluation 2:

### Reducing Staff Burden

Challenges in 30-day period prior to evaluation:

- Staff was performing 4 changes (requiring bed strips) per night on an obese incontinent resident.

## Trial Results Post 30-day evaluation:



**From 4 changes to 1 change, per night**

### Potential labor-saving estimate

(Assumes full change = 30 minutes of labor)

- Reduction of 3 changes per night = 1.5 hours per day
- Equals 10.5 hours per week = 45 hours per month
- Equals 547 hours per year @ \$15 per hour

**\$ 8,205**

**Annual Soft Labor Savings**

## Summary

LTC staffing turnover rates have risen dramatically in recent years, with caregiving professionals being challenged mentally, emotionally and physically, and often stretched beyond expectations. This turnover also has negative effects on residents, including poorer health outcomes. One specific way your community can help stem the turnover tide while positively impacting the lives of your residents is by reviewing your continence management program. Product evaluation trials conducted at two communities demonstrated that the use of Tranquility higher-performance products helped enhance both of these areas:

- **Resulted in significant improvements in residents' health outcomes** in the areas IAD wounds, falls, UTIs and odor.
- **Reduced staff labor time and burden** related to changes required for an incontinent resident.



For details on FREE product trials in your community, contact our clinician,

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1. Research sourced from: Principle Business Enterprises Proprietary Data; [www.ncbi.nlm.nih.gov/pubmed/7639444](http://www.ncbi.nlm.nih.gov/pubmed/7639444); [www.statista.com/statistics/323221/nursing-home-resident-conditions-in-the-us-from-most-to-least-common](http://www.statista.com/statistics/323221/nursing-home-resident-conditions-in-the-us-from-most-to-least-common); [www.ncbi.nlm.nih.gov/pmc/articles/PMC3526889/](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3526889/)  
2. <https://skillednursingnews.com/2021/03/nursing-homes-have-94-staff-turnover-rate-with-even-higher-churn-at-low-rated-facilities/>;  
<https://www.mcknights.com/news/alarmed-nurse-turnover-rates-linked-to-quality-payment-woes-in-major-new-nursing-home-study/>