

West Coast VA Facility

INCONTINENCE CARE AND SKIN HEALTH IMPROVEMENT PROJECT



Introduction

In October 2018, a large West Cost VA facility agreed to trial the Tranquility Premium superabsorbent underwear, briefs, and underpads. The facility was looking to improve their clinical outcomes in the areas of skin health (IAD), odor reduction, leakage/ containment (urine & feces), sleep patterns, and staff labor. The wound care nurse at the facility did research on different products and hypothesized that their current incontinence products could be improved, which could therefore improve overall patient care including skin health.

Trial Protocol



30-day Trial



17 Staff/Caregiver Survey



3 Units



~ 24 Patients

INDUSTRY STATISTICS ON PATIENT CARE

Prevalence of IAD¹

42% of hospitalized adults

83% of incontinent patients in ICUs

41% of residents in LTC facilities

Effects of lack of sleep²

4X as likely to suffer from lack of concentration

3X more likely to be depressed

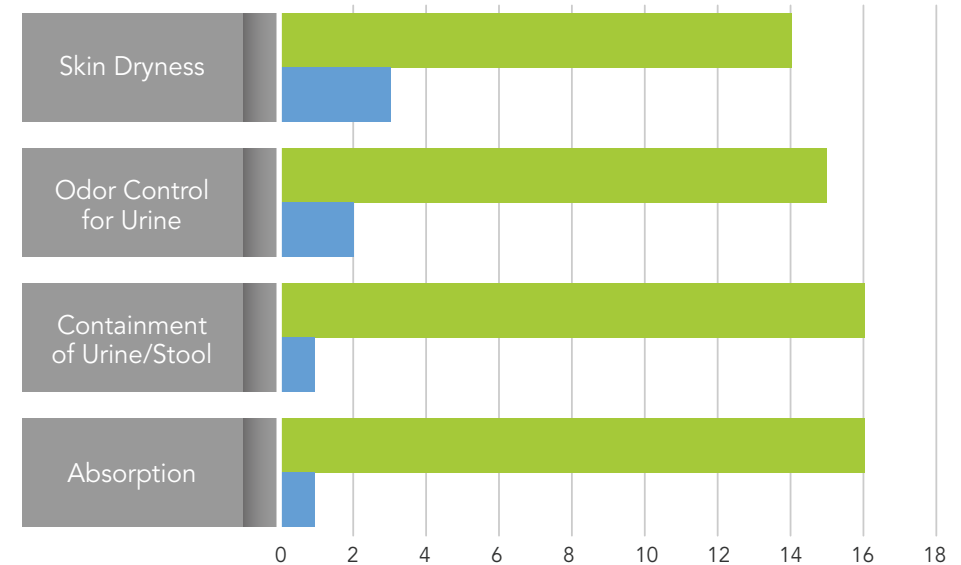
2.6X more likely to commit suicide

Current staff turnover rate in the VA is ~10%³

Staff Survey Results

Based on a 30-day trial, 17 VA facility staff were surveyed on the performance of Tranquility Incontinence Briefs in comparison to the current brand of incontinence briefs used by the facility.

Tranquility Performance: ■ Very Good/Excellent ■ Satisfactory ■ No Difference



Overall Trial Results

REDUCTION OF STAFF BURDEN:



Fewer clothing and linen changes

IMPROVED PATIENTS' QUALITY OF LIFE:



Fewer patient brief changes



Patients improved sleep/slept longer

Trial Conclusion

The results of this 30-day trial are a demonstration that **Tranquility superabsorbent products could improve overall patient care and staff experience** in several areas:

- Odor was greatly reduced and, in most cases, eliminated.
- Linen changes due to leakage were minimized.
- Brief/product changes decreased.

For more information about this clinical trial or Tranquility superabsorbent products please contact us at 800-467-8224.

¹ Ermer-Seltun, J. (2011). Practical Prevention and Treatment of Incontinence-Associated Dermatitis — a Risk Factor for Pressure Ulcers. *Ostomy Wound Management*.
² <https://www.sleepassociation.org/about-sleep/how-important-is-sleep/>
³ <https://www.va.gov/opa/pressrel/includes/viewPDF.cfm?id=5104>

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Introduction

A large Northeast VA facility agreed to do an independent 4-week product trial with Tranquility Premium superabsorbent briefs. The facility was looking to improve their product usage, as well as lessen caregiver and patient exposure by reducing the number of brief changes per day versus the current incontinence product. They hypothesized that by reducing the number of patient brief changes per day there would be an overall supply savings, as well as a positive impact on staff through reduced labor burden.

Trial Protocol

28-day Trial	2 weeks in current brand	2 weeks in Tranquility brand	Unbiased trial; no product training
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INDUSTRY FACTS ON PATIENT CARE

Exposure Risk

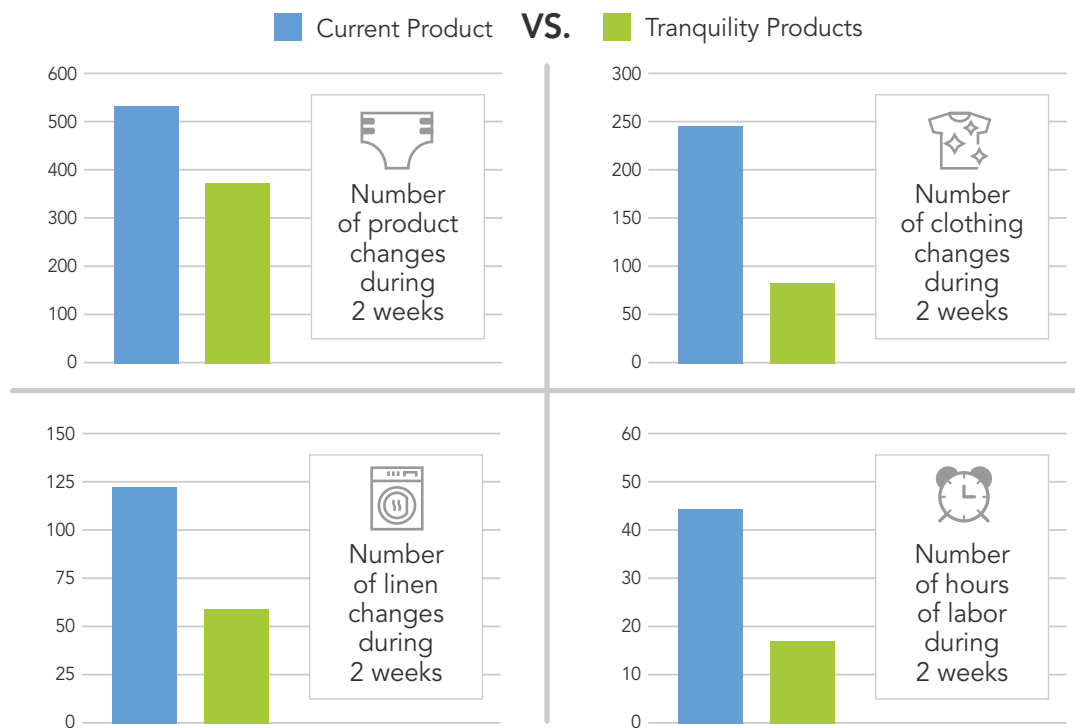
Coronavirus and Flu transmission: **Mainly spread through close person-to-person contact** through respiratory droplets from coughs and sneezes¹
Facilities **must dedicate specific areas for treatment/care of COVID-19 patients**²

Cost of Changes

According to the American Reusable Textile Association, **2 to 3 percent of a hospital's budget is spent on laundry and linen services**³

Product Trial Results

Outcome comparison of Tranquility Incontinence Briefs against current brand of incontinence briefs used by the facility during a 2-week period.



Overall Trial Results

TOTAL SAVINGS WITH TRANQUILITY



Trial Conclusion

The results of this 28-day un-biased trial are a demonstration that **Tranquility superabsorbent products could improve overall patient care and staff experience** in several areas:

- Fewer brief and linen changes per day.
- Significant reduction caregiver/patient exposure time.
- Overall savings on supplies and services.

For more information about this clinical trial or Tranquility superabsorbent products please contact us at 800-467-8224.

¹ https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/how-covid-spreads.html?CDC_AA_reVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fprepare%2Ftransmission.html
² https://www.va.gov/opa/docs/VHA_COVID_19_03232020_vF_1.pdf
³ <https://www.beckershospitalreview.com/finance/washing-out-unnecessary-linen-costs.html#:~:text=According%20to%20the%20American%20Reusable,variety%20of%20cost%20reduction%20methods.>

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Tranquility Products



Tranquility products promote skin health by keeping fluid locked away no matter how much pressure is applied to the product when sitting, standing, walking, or lying down. Our superabsorbent technology allows for extended wear time, letting your patients sleep soundly and socialize without fear of an accident, all while preventing unnecessary bed strips and clothing changes. We have the products, programs and knowledge to support your facility in acquiring the excellent clinical outcomes you desire.

Tranquility products are clinically proven to ensure:

- ✓ Advanced Leakage Control
- ✓ Odor and Urine Neutralization
- ✓ Dry Healthy Skin Environment
- ✓ Inhibition of Bacterial Growth

Superabsorbent Products can Complement Your Infection Control Efforts



- Extended wear times and protection from leakage** minimizes preventable close contact between patients and caregivers to reduce the spread of illness.
- Superior moisture wicking reduces the risk of incontinence-related medical issues** (such as skin breakdown and UTIs), helping to keep patients out of hospitals and lessen their risk of increased exposure.
- Maximum absorbency products keep patients comfortable and dry**, leading to a better night's sleep which helps to boost the immune system and overall health.

Products to Help Improve the Quality of Life for Residents and Caregivers



Tranquility Premium OverNight™
Pull-on Disposable Underwear
Maximum Protection

- Available in sizes XS – 2XL
- Worn like regular underwear to maintain normal toileting patterns



Tranquility SmartCore®
Tape-tab Disposable Brief
Maximum Protection

- Available in sizes S – 2XL
- Accommodates individuals with limited mobility or in need of care assistance



Tranquility AIR-Plus™
Breathable Underpad
Maximum Protection

- Available in size 30" x 36"
- Thin, soft pad helps protect bedding, furniture, and equipment



Tranquility AIR-Plus™ Bariatric
Tape-tab Disposable Brief
Maximum Protection

- Available in size 4-5XL
- 100% breathable, stretchy side panels comfortably fit waist/hip sizes 70" to 108"



About Principle Business Enterprises

Principle Business Enterprises (PBE), Inc. manufactures high-performance absorbent products and footwear safety solutions with applications in healthcare, industrial processing, and at-home use. PBE is a family-owned, small business with two locations in Northwest Ohio. Founded in 1961, PBE has maintained a mission to be a principle-centered business that uplifts the lives of those it serves through developing an exceptional workplace environment for its Associates, and innovating products that improve the quality of life for its Customers.