peopleCare Communities
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Skinopathy AI Wound Management Product Evaluation

OBIO TECH ADOPTION PROJECT
PUBLIC REPORT

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Table of Contents

Executive Summary

peopleCare Communities, an Ontario long-term care operator, conducted a 12-month validation product evaluation of the Skinopathy Wounds platform with nursing staff at their London Oakcrossing location.

The goal was to understand how AI assisted wound assessment could improve accuracy, consistency, documentation quality, and efficiency in a real clinical environment.

The product evaluation found that the technology provided strong clinical and operational benefits.

- AI supported wound-type classification accuracy reached 82.6% overall (70-80% is typical) and 94.7% for pressure injuries (70-80% is typical).
- Patient assessment documentation completion reached 98.6% (75-85% is typical).
- Average assessment time dropped to 6.5 minutes (10-15min average), which is 35% to 57% faster than standard manual processes.
- One in four wounds fully healed during the evaluation period, and more than one third of non-healing or deteriorating wounds were identified early by the AI for enhanced care.

These insights allowed clinicians to intervene sooner and adjust treatment plans with greater confidence.

The technology demonstrated value across patient experience, care team wellbeing, population health, and potential cost reduction. Annual nurse time and product savings were estimated at $3,500 to $8,500 per patient based on observed efficiency gains.

This evaluation shows that AI supported wound assessment can strengthen clinical practice in long-term care and improve consistency in complex wound management.

Overview of the 12 Month Evaluation

peopleCare implemented the Skinopathy Wounds platform during a structured, 12-month period. The evaluation included 72 wound assessments across 16 unique wounds in 12 residents. The average resident age was 83 years. Most wounds were pressure injuries, with a small number of arterial, venous, and mixed ulcers.

The objectives were to measure AI accuracy, assessment speed, documentation quality, clinical value, and ease of workflow integration. Traditional manual assessments were performed first, followed by AI assessments using the Skinopathy mobile app. All data were collected without disrupting clinical routines.

The evaluation relied on parallel documentation, ensuring that clinicians retained full decision-making control. AI outputs were visible but always subject to validation by the wound care nurse.

Healing Outcomes

- 25% of wounds healed completely.
- 19% showed significant improvement of at least 25% wound area reduction.
- 38% required enhanced care and were flagged early through systematic monitoring.
- Healthy wound bed composition reached almost 60% of observations.

Financial Impact

- Time savings produced estimated nursing and product resource value of $3,500 to $8,500 dollars per patient annually based on assessment frequency.
- The combination of efficiency, early intervention, and treatment precision offers potential for reduced complications, optimized product use, and fewer emergency escalations.

Clinical Impact

The technology strengthened several foundational areas of wound care.

GREATER CONSISTENCY IN ASSESSMENT

AI reduced inter-observer variability by providing repeatable measurements and tissue estimates. Clinicians used these outputs to validate assessments, improve staging confidence, and track progression more reliably over time.

ENHANCED QUALITY OF CARE

The product evaluation identified that 37.5% of wounds needed enhanced care. This early detection supported more timely interventions, including changes to dressings, positioning schedules, or escalation protocols. Faster assessments also reduced disruption to residents during wound checks.

MORE INFORMED TREATMENT DECISIONS

Clinicians used product suggestions to support decision making. The high correlation between AI recommendations and adoption indicates that the suggestions aligned well with clinical judgment. This created a standardized foundation for treatment planning.

OPERATIONAL IMPACT

Reduced administrative burden

The 98.6% documentation completion rate far exceeds typical long-term care performance. This improved completeness directly benefits quality reporting and helps reduce risk during chart audits.

IMPROVED WORKFLOW EFFICIENCY

Assessment times decreased from 10 to 15 minutes down to 6.5 minutes on average. This created more opportunities for direct patient care without sacrificing quality or data completeness.

HIGH EASE OF ADOPTION

The platform integrated smoothly with existing routines. Clinicians captured images after manual assessment and reviewed AI outputs without workflow disruption. The user-friendly design contributed to fast uptake and reliable performance in a real care environment.

TECHNOLOGY VALUE

The results illustrate clear alignment with the Quadruple Aim.

- Better patient experience
  - Faster assessments reduce discomfort
  - Standardized readings improve accuracy of treatment decisions
  - Early identification of complications supports better outcomes

- Improved population health
  - One quarter of wounds healed fully
  - More than one third were escalated early
  - Structured monitoring supports consistent care across residents

- Enhanced provider experience
  - Less administrative pressure
  - Lower cognitive load during assessment
  - Clear, objective information for decision support

- Lower total cost of care
  - Estimated savings of 3,500 to 8,500 dollars annually for a single home
  - Potential reductions in complications and urgent transfers
  - More efficient use of wound care products

Conclusion

This 12-month evaluation confirms that AI supported wound management can improve accuracy, speed, documentation, and treatment consistency in long-term care. The Skinopathy Wounds

platform demonstrated strong concordance with clinical expertise and delivered clear operational value.

The results indicate that broader implementation of AI assisted wound assessment can support better clinical outcomes, more efficient workflows, and stronger quality reporting across long-term care settings.

The successful completion of this product evaluation establishes a strong foundation for AI-assisted wound management in long-term care settings. With targeted enhancements and expanded deployment, the Skinopathy Wounds platform has the potential to significantly impact quality of care for vulnerable elderly populations while optimizing healthcare resource utilization across the continuum-of-care.