



Economic Challenges of Non-Healing Wounds

A Closer Look at the Cost of Wounds

Chronic wounds were responsible for approximately **\$32 Billion in Medicare expenditures** across multiple patient care settings in 2014. **Surgical wounds are the most common and expensive wounds**, with a mid-range cost estimate of \$13.1 billion for both the wound and an accompanying infection. Infected foot ulcers in people with diabetes were second, with a mid-range estimate of 6.9 billion.¹

Total Medicare spending on non-healing wounds was highest in the hospital outpatient setting (ranging between \$9.9-\$35.8 billion), followed by spending in the hospital inpatient setting (\$5.0-\$24.3 billion).¹

For inpatients, a Stage 3 or Stage 4 pressure injury that develops during a hospital stay is classified as a Hospital Acquired Condition (HAC), and not reimbursed by Medicare.²

The costs of a hospital acquired pressure injury can result in an average of \$17,000 additional patient care dollars per patient.³

A patient with a pressure injury is more likely to be readmitted to the hospital within 30 days (23% vs 18%; $p < 0.001$) and have a longer risk-adjusted hospital length of stay (LOS) (11.6 days vs 4.9 days; $p < 0.001$).⁴

Nutrition is an important component in the plan of care for patients with wounds. **Use of evidence-based solutions with a unique immunonutrient blend can help reduce the risk of readmissions⁵, additional costly complications and longer lengths of stay.⁶⁻⁸**

Specialized nutrition for patients with wounds

IMPACT® PEPTIDE 1.5 is designed to support the nutritional management of surgical wounds, stage 3, 4 and unstageable pressure injuries, burns and other wounds.

- High protein (25%) to support synthesis of new tissue.⁹
- Unique blend of supplemental ingredients that help support immune function: L-arginine, nucleotides and omega-3 fatty acids.¹⁰
 - Metabolism of L-arginine at the wound level supports two of the four phases of wound healing.^{9, 11, 12}
- Contains Vitamins A and C, Zinc and Selenium, which have been identified as especially important for wounds.⁹
- National Pressure Ulcer Advisory Panel (NPUAP) Guidelines support the provision of increased protein, arginine and additional micronutrients for the management of Stage 3 and 4 Pressure injuries.⁹



Looking for an evidence-based oral supplement for major surgical patients?

IMPACT Advanced Recovery® Drink contains the same unique blend of immunonutrients found in IMPACT® Peptide 1.5: arginine, omega-3 fatty acids and nucleotides. This blend of ingredients has been clinically proven to reduce surgical wound healing complications in major elective surgery patients.⁶

1. Nussbaum SR et al. Value in Health 2017; <http://dx.doi.org/10.1016/j.jval.2017.07.007> 2. Medicare Program; Changes to hospital inpatient prospective payment systems and fiscal year 2008 rates. www.cms.hhs.gov/acuteinpatientpps/downloads/cms-1533-fc.pdf. 3. 2013 Annual Hospital-Acquired Condition Rate and Estimates of Cost Savings and Deaths Averted From 2010 to 2013. Content last reviewed October 2015. Agency for Healthcare Research and Quality, Rockville, MD. <http://www.ahrq.gov/professionals/quality-patient-safety/pfp/hacrate2013.html> 4. Lyder CH, et al. *J Am Geriatr Soc.* 2012;60:1603-1608. 5. Banerjee S, et al. *Nutr* 2017;42:106-13. 6. Farreras N et al. *Clin Nutr* 2005;24:55-65. 7. Marik and Zaloga 2010. *JPEN*; 34(4):378-386. 8. Mauskopf JA et al. *WJSO* 2012;10:136;doi:10.1186 1477-7819-10-136. 9. Posthauer ME. *Adv Skin Wound Care* 2015;28(4):175-88. 10. Braga M et al. *Surg* 2002;132:805-14. 11. Gould A et al. *Wound Heal S Afr* 2008;1(1):48-50. 12. Chow O and Barbul A. *Adv Wound Care* 2014;3(1):46-53.



IMPACT® Peptide 1.5 Formulas Specialized Nutrition for Wounds

USE UNDER MEDICAL SUPERVISION

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