

Article title: Economic Evaluation of Multilayer Silicone-Adhesive Polyurethane Foam Dressing for the Prevention of Pressure Ulcers in At-Risk Hospitalized Patients: US and Italian Perspective

Journal name: International Journal of Health Policy and Management (IJHPM)

Authors' information: Elisabetta Mezzalira^{1*}, Elisa Ambrosi¹, Neil Askew², Leo Nherera², Richard Searle², Francis Fatoye³, Cristiana Forni⁴

¹Department of Diagnostics and Public Health, University of Verona, Verona, Italy.

²Smith and Nephew, Fort Worth, TX, USA.

³Department of Health Professions, Faculty of Health and Education, Manchester Metropolitan University, Manchester, UK.

⁴IRCCS Istituto Ortopedico Rizzoli, Bologna, Italy.

***Correspondence to:** Elisabetta Mezzalira; Email: elisabetta.mezzalira@univr.it

Citation: Mezzalira E, Ambrosi E, Askew N, Nherera L, Searle R, Fatoye F, Forni C. Economic evaluation of multilayer silicone-adhesive polyurethane foam dressing for the prevention of pressure ulcers in at-risk hospitalized patients: US and Italian perspective. Int J Health Policy Manag. 2024;13:8371. doi:[10.34172/ijhpm.8371](https://doi.org/10.34172/ijhpm.8371)

Supplementary file 1. Example Calculation to Uplift Costs to 2023 Prices

TABLE A1: Deterministic results per 1,000 patients (Italian and US perspectives)

Outcome	SP	SP + Foam Dressing	Difference/saving
Total number of foam dressing applications	0	1700	+1700
Number of nurse minutes	0	27000	+27000
Number of Stage I HAPUs	86	20	-66
Number of Stage II HAPUs	42	28	-14
Total number of HAPUs	128	48	-80
Total costs (€) – Italy	€711,490	€308,942	-€402,548
Total costs (\$) – US	\$2,702,385	\$1,154,679	-\$1,547,706
Base Case Decision Rule – Italy & US	SP with foam dressing dominates SP (fewer HAPUs at a lower cost)		