

**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

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**Supplementary file 3.** Probabilistic Results Using Data for HAPU Treatment Cost from a Large US Database

In this appendix, the authors show how prices were uplifted, using the incremental hospital cost of treating a pressure ulcer in the U.S. as an example.

The additional cost of treating a hospital-acquired pressure ulcer (HAPU) in the US was obtained from Wassel et al. (reference 7). This study estimated that for Stage I HAPUs, the index hospitalization cost would increase by \$14,589 when a pressure ulcer occurs. This study presented costs in 2014 prices.

To update prices to 2023, we refer to the U.S. Bureau of Labor Statistics (BLS) Consumer Price Inflation (CPI) dataset (reference 17). Here, we obtained the following inflation series: “Medical care in U.S. city average, all urban consumers.” The series ID is CUUR0000SAM.

It provides an inflation index with the base year set to 1982-1984=100. The authors re-based this index on the source year of the input, which, in this case, is 2014. Referring to Table C1, the 2023

value is calculated using the raw index as follows:  $(2014\text{index}/2023\text{index}) * 100$ . This results in  $(435.3/549.1) * 100 = 126.1$ .

Therefore, medical care costs have risen by 26.1% since 2014. We now multiply the raw cost value of \$14,767 by 1.26142 to obtain \$18,403, which serves as our Stage I HAPU treatment cost for the US perspective in 2023 prices.

**Table C1 – Inflation upfit using series CUUR0000SAM from BLS database.**

Year	Inflation base year	
	1982-1984=100	2014=100
1982	92.5	21.3
1983	100.6	23.1
1984	106.8	24.5
1985	113.5	26.1
1986	122.0	28.0
1987	130.1	29.9
1988	138.6	31.8
1989	149.3	34.3
1990	162.8	37.4
1991	177.0	40.7
1992	190.1	43.7
1993	201.4	46.3
1994	211.0	48.5
1995	220.5	50.7
1996	228.2	52.4
1997	234.6	53.9
1998	242.1	55.6

<b>1999</b>	250.6	57.6
<b>2000</b>	260.8	59.9
<b>2001</b>	272.8	62.7
<b>2002</b>	285.6	65.6
<b>2003</b>	297.1	68.3
<b>2004</b>	310.1	71.2
<b>2005</b>	323.2	74.2
<b>2006</b>	336.2	77.2
<b>2007</b>	351.1	80.6
<b>2008</b>	364.1	83.6
<b>2009</b>	375.6	86.3
<b>2010</b>	388.4	89.2
<b>2011</b>	400.3	92.0
<b>2012</b>	414.9	95.3
<b>2013</b>	425.1	97.7
<b>2014</b>	435.3	<b>100.0</b>
<b>2015</b>	446.8	102.6
<b>2016</b>	463.7	106.5
<b>2017</b>	475.3	109.2
<b>2018</b>	484.7	111.4
<b>2019</b>	498.4	114.5
<b>2020</b>	518.9	119.2
<b>2021</b>	525.3	120.7
<b>2022</b>	546.6	125.6
<b>2023</b>	549.1	<b>126.1</b>