

Incontinence Dermatitis Prevention: A National Study of Product Costs in Nursing Homes

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OBJECTIVE

- To examine the cost effectiveness of skin care products used in four incontinence dermatitis prevention regimens in nursing home residents.

METHODS

- 16 Nursing homes were randomly recruited from the National Registry of Nursing Homes.
- Sites were required to have at least 90 beds and at least 40 incontinent residents.
- Out of 1,918 residents enrolled, 981 qualified for prospective study observations (incontinent and free of perineal skin damage).
- Manufacturers suggested protocols were followed; 3M™ Cavilon™ No Sting Barrier Film was applied three times weekly while the other three skin barrier products were applied after each incontinence episode.

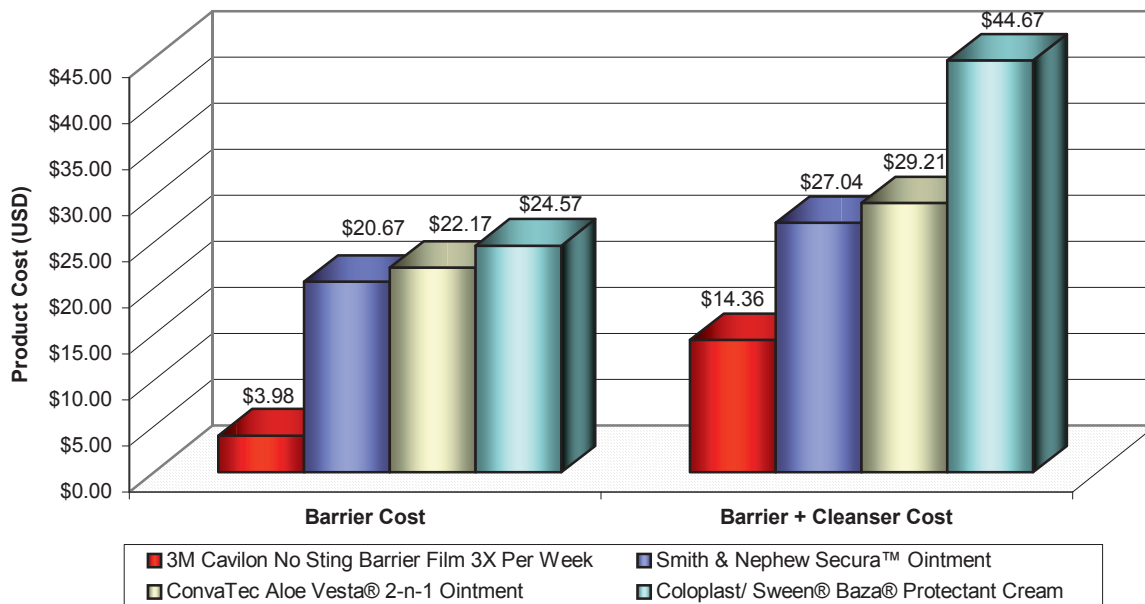
ECONOMIC ANALYSIS

- An economic analysis was conducted to determine the cost of the incontinence dermatitis prevention products per 100 episodes of incontinence among the four regimens.
- Staff assessed resident skin damage for six weeks to evaluate efficacy of the regimens.

CONCLUSION

- Overall occurrence of skin damage was 4.6% (45/981). There was no difference in skin damage or incontinence dermatitis among regimens ($p > .05$).
- Skin damage was attributed to incontinence dermatitis in 74% (33/45) of those residents who developed skin damage and 3.4% of residents overall (33/981).
- Use of 3M Cavilon No Sting Barrier Film three times weekly is as effective in preventing incontinence dermatitis as products that require application after each episode of incontinence.
- The following chart illustrates that prevention regimens that use 3M Cavilon No Sting Barrier Film three times per week have a significantly lower product cost ($p < 0.0001$ for both barrier and barrier + cleanser).

Product Cost of Incontinence Skin Care
Based on 100 Incontinent Episodes



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Complete Study on File at 3M

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