OBJECTIVE
- To examine the labor costs of four regimens for incontinence dermatitis prevention in nursing home residents.

METHODOLOGY
- 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.
- Time to complete care for prevention of incontinence-associated dermatitis was measured and the occurrence of dermatitis was monitored.
- Manufacturers suggested applications 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. A skin cleanser of each of the manufacturers was used.

ECONOMIC ANALYSIS
- An economic analysis was conducted to compare the labor cost required for one or two caregivers to perform the incontinence dermatitis prevention care (i.e. cleanse and apply moisture barrier) among the four regimens; results are per 100 episodes of incontinence.
- Labor to provide care was based on a nursing assistant pay rate of $14.19/hr (wages+benefits).
- Staff assessed residents’ skin for 6 weeks to determine efficacy of the regimens.

CONCLUSION
- Overall occurrence of skin damage was 4.6% (45/981) of which 74% (33/45) was attributed to incontinence dermatitis. There was no difference in skin damage or incontinence dermatitis among regimens (p>.05).
- 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 save significant labor costs (p<0.001 for both barrier and barrier+cleanser).

Barriers used in the study:
- 3M™ Cavilon™ No Sting Barrier Film
- Coloplast Sween® Baza® Protect Cream
- Smith & Nephew Secura™ Protective Ointment
- ConvaTec Aloe Vesta® Protective Ointment

Cleansers used in the study:
- 3M™ Cavilon™ Skin Cleanser
- Coloplast Peri-Wash® Incontinence Cleanser
- Coloplast Peri-Wash® II No-Rinse Perineal Cleanser
- Smith & Nephew Secura™ Personal Cleanser
- ConvaTec Aloe Vesta® Perineal/Skin Cleanser
Complete Study on File at 3M.
3M and Cavilon are Trademarks of 3M Company.
Aloe Vesta is a Registered Trademark of E.R. Squibb & Sons, Inc.
Secura is a Trademark of Smith & Nephew, Inc.
Sween, Baza, Peri-Wash are Registered Trademarks of the Coloplast Group.