Cost Effectiveness of a Modified Dakin's Solution (0.0125% Sodium Hypochlorite) in the Home Care Setting

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INSTITUTE TEST PERCENT OF OCCU. HYPOCOCLITE ACTIVE TOTAL NOCL PARTS PER MILLION DILUTION OF BLEACH
Bacillus 5.00% 1 40 960 000 000 None
Full Strength™ 0.50% 1 240 960 000 000 1/10th
Half Strength™ 0.25% 1 400 240 000 000 1/20th
Quarter Strength™ 0.125% 1 800 120 000 000 1/40th
Diluted Sodium Hypochlorite 0.025% 1 4000 25 000 000 000 1/100th
De-Dak-Sol™ 0.0125% 1 800 125 000 000 000 1/400th

Average Number of Home Visits = 13

Total Supply Cost x 1 week $10.69 - $13.00

INDICATED SITE
SIP gastric bypass and ventral hernia repair D1 and O2
74 yr old female SIP per rectal abscess Severe perianal using methotrexate 74 yr old female SIP diverting colostomy with open abdominal wound 79 yr old male SIP CABG with sternal abscess 52 yr old chronic obstructive OCS
SIP kidney transplant on immunosuppressant meds 54 yr old female SIP hemicolectomy

Conclusion
Sodium hypochlorite diluted to a safe concentration is an effective, inexpensive, easy to use topical antimicrobial solution that supports effective management of the bacterial biofilm of the wound environment. Rapid healing of wounds without complication of infection result in a reduced need for frequent skilled nursing visits and increases the potential net profit for home care providers.