Negative Pressure Therapy
Cost Savings Analysis Worksheet

Comparing Standard Practice of 3 Dressing Kit Changes Per Week to a New Once Weekly Dressing Change Protocol Combining the Silverlon® Antimicrobial Negative Pressure Dressing to the VAC™ Foam Dressing.

Costs Associated with VAC™ Treatment

1. Daily rental rate for electrical pump
2. Acquisition cost of foam/film dressing set
3. Nurse's time for dressing changes
4. Costs associated for pain medication, antibiotics, and infection rate will not be included in this analysis.

Identify Institution Specific Costs

1. Determine Contract Rental Rate: Daily Rental Rate $_____
2. Actual usage quantities of kits by size and type _____
3. Actual cost per kit by size and type $_____
4. Determine average nurse time to change out dressing kit:
   Average time in minutes per kit change out_____
5. Determine average pay rate / hour for nurse's time $_____

Variables Needed For Cost Calculation

Total Number of Patients on VAC Therapy: _____

Total Number of Patient Days on VAC Therapy: _____

Total Number of Dressing Kits Used: _____

Average Cost of Dressing Kits Used: _____

Protocol of Dressing Kit Change Out: _____

Calculate the Following.

1. Average Days of Therapy per Patient = $\frac{\text{Total Patient Days}}{\text{Total \# of Patients}}$ =_____ days

2. Average Cost of Foam Dressing Kit = $\frac{\text{Total Cost of Kits Used}}{\text{Number of Kits Purchased}}$ = $ _____

3. Observed increase in healing time (Estimated % increase in granulation under Silverlon side of wound from evaluation trial (VAC whole wound with half the wound with Silverlon® under the foam) _____

Dollar Savings Per Patient Per Week

A. Dressing Kit Savings

Current Protocol Kit Change Out	No. of Kits Used/Week		Silverlon 1 kit 7 day Protocol	=	Kits Saved Per week	x	Ave.. Cost Per Kit	=	Savings Per Patient/Week
2 days	3.5	-	1	=	2.5	x	$_____	=	$ _____
3 days	2.33	-	1	=	1.33	x	$ _____	=	$ _____
MWF	3	-	1	=	2	x	$ _____	=	$ _____
4 days	1.42	-	1	=	.42	x	$ _____	=	$ _____

Annual Savings $_____
(Savings Per Pt./ Week x Total Pts. x 52 Weeks)

B. Nurse Savings

Current Protocol Kit Change Out	Kits Saved Per Week		Ave. Time Nurse/ Kit (Minutes)	=	Nurse Min. Saved	x	Ave. Hourly Rate ($)	=	Nurse $ Savings Pat/ Week
2 days	2.5	x	_____	=	_____	x	$ _____	=	$ _____
3 days	1.33	x	_____	=	_____	x	$ _____	=	$ _____
MWF	2	x	_____	=	_____	x	$ _____	=	$ _____
4 days	.42	x	_____	=	_____	x	$ _____	=	$ _____

Annual Savings $ _____
(Savings Per Pt./ Week x Total Pts. x 52 Weeks)

C. Therapy Savings- Daily Rental Charge

.Ave. Days of VAC Therapy Per Patient		Daily Rental Charge ($)		Percent (%)* Increase in Healing Time		Dollar Rental Savings/Patient
_____	x	$ _____	x	_____%	=	$ _____

Annual Savings: $ _____

(Dollar Rental Savings/ Pat. x Total Patients)

Optional Calculations

D. Average Daily Hospital Cost Per Patient $ _____ (Use C. above)

E. Average Hospital Cost to Treat Infection $ _____ (Use NNIS/ CDC 1992 Data $ 3,200)

F. Average Cost of Pain Medication Used $ _____

G. VAC Continued at Discharge to Extended Care, Nursing Home, or Home Health (Use Calculations A. and B. above) $ _____

Total Annual Cost Savings Using Silverlon®/VAC 7 Day Protocol

Add results from Calculations A, B, and C: $_____