



Early Intervention

Vent Weaning

2008					
Level of Injury	Total Volume	# D/C Home on Vent	# Weaned	Avg Days to Wean	Wean Rate
C1 - C2	12	9	3	27	25%
C3	6	4	2	21	33.3%
C4	27	4	22	24	81.5%
C5 - C7	26	2	24	13	92.3%
T1 - T12	18	2	15	20	83.3%
Rancho 1 - 3	6	1	5	12	83.3%

2009					
Level of Injury	Total Volume	# D/C Home on Vent	# Weaned	Avg Days to Wean	Wean Rate
C1 - C2	10	8	2	19	20%
C3	8	4	4	15	50%
C4	20	7	13	32	65%
C5 - C7	31	5	25	19	80.6%
T1 - T12	11	1	10	24	90.9%
Rancho 1 - 3	17	2	15	9	88.2%

Vent weaning data analyzed annually by Andrew Zadoff, MD, Medical Director, ICU and Pulmonary Services.

Story Behind the Data

Wean Rates

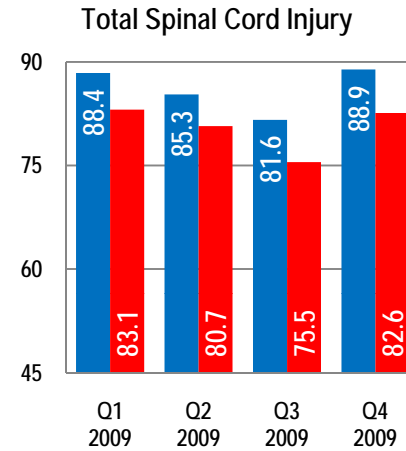
- Data represents medically complex patients only.
- Influenced by clinical acuity and primary/secondary diagnoses, the following are considered significant influences in determining the potential capability to wean patient from ventilator assistance:
 - Level of Injury
 - Patient age
 - Complete vs. Incomplete spinal cord injury
 - Co-morbidity

Discharge to Community

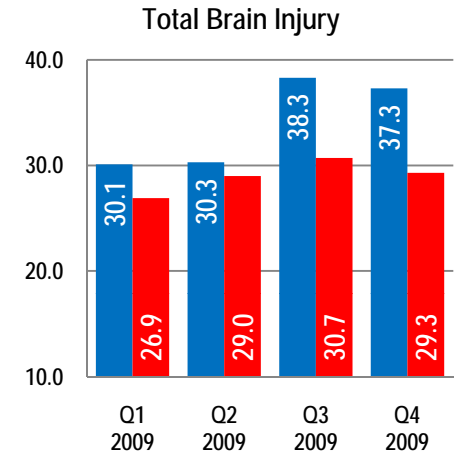
Consistent results attributed to Shepherd family education programs and continued support of families in their homes.

Independence

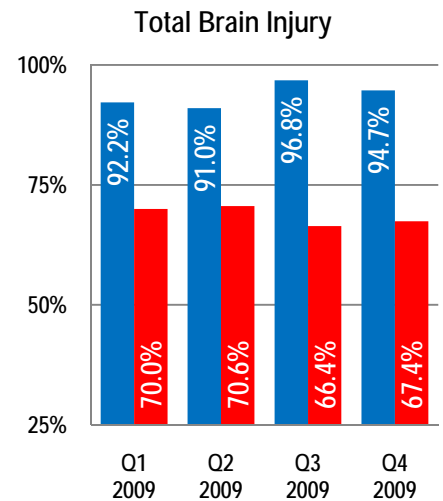
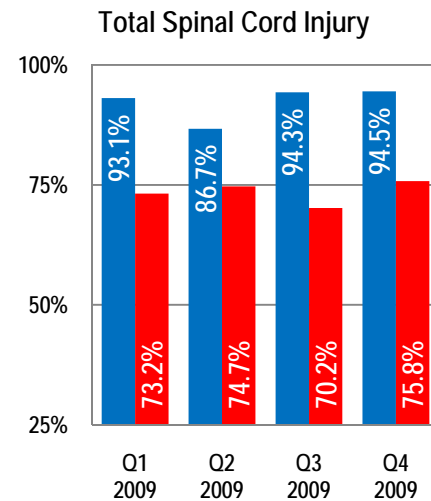
Discharge Total FIM®



Total FIM® Change



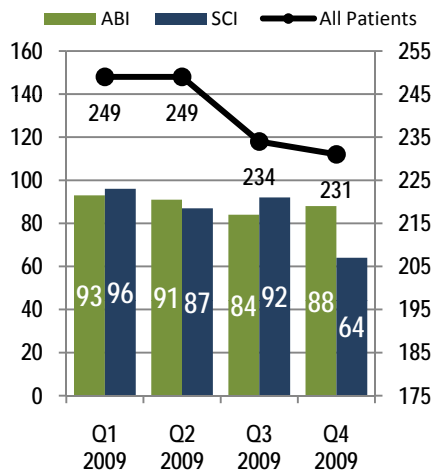
Discharge to Community





Evidence

Discharge Volume

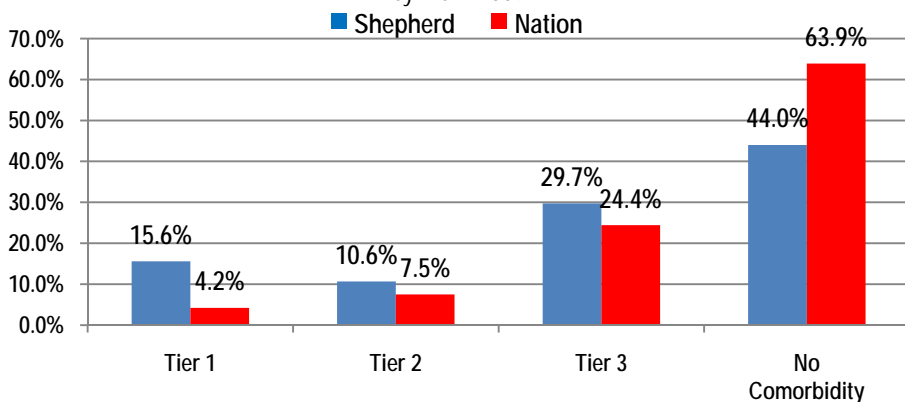


Average Patient Age / # Shepherd Cases

		Q1 2009	Q2 2009	Q3 2009	Q4 2009
Shepherd Total SCI	Avg Age	41.2	37.7	31.8	38
Nation Total SCI	Avg Age	52.3	50.3	47.9	50.6
Shepherd Total Brain	Avg Age	33.4	32.9	32.6	31.8
Nation Total Brain	Avg Age	61.1	59.8	58.7	61.3
Shepherd Total Stroke	Avg Age	48.6	42.8	38.9	47
Nation Total Stroke	Avg Age	68.2	67.5	67.9	68.2

Source: UDS Quarterly Trends Report M240_9021 (January 1, 2009 – December 31, 2009)

Percentage of Cases with Active Underlying Comorbidities by Tier - 2009

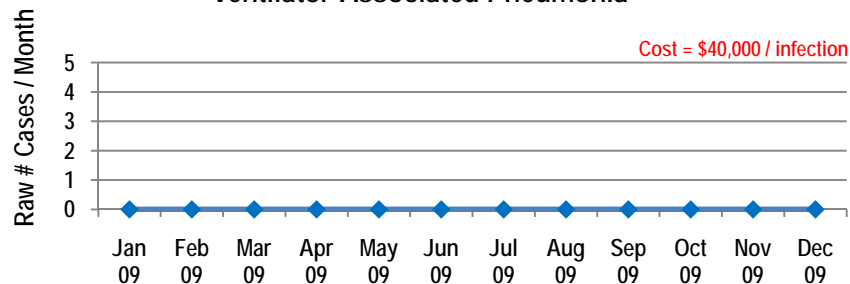


Most complex secondary med mgmt ← → Least complex secondary med mgmt

Source: UDS Executive Detail Report 1105d_M240 (January 1, 2009 – December 31, 2009)

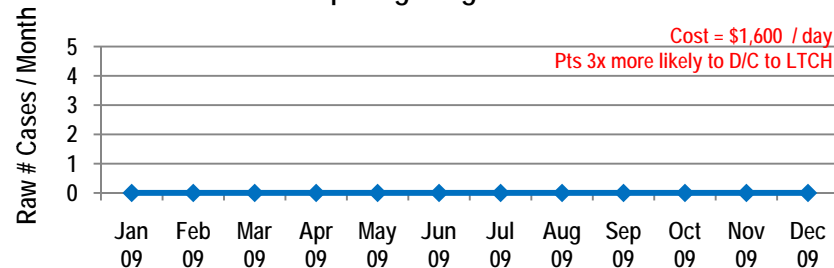
Prevention

Ventilator-Associated Pneumonia



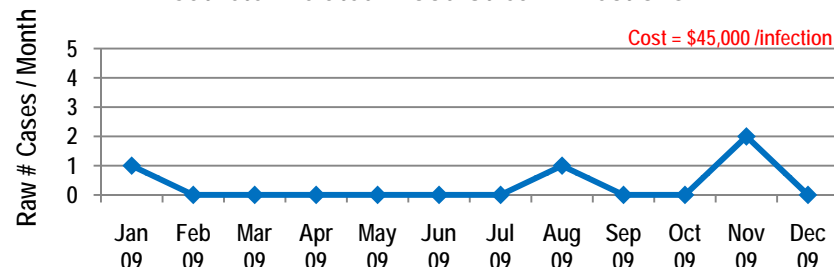
See Office of Quality and Performance (10Q). FY 2008, Q1 technical manual for the VHA performance measurement system. Washington (DC): Washington (DC); 2007 Oct 31. 315 p.

Wounds Requiring Surgical Intervention



See Russo, C.A. (Thomson Reuters), Steiner, C. (AHRQ) and Spector, W. (AHRQ). Hospitalizations Related to Pressure Ulcers, 2006. HCUP Statistical Brief #64. December 2008. Agency for Healthcare Research and Quality, Rockville, MD.

Catheter Related Blood Stream Infections



See "An intervention to decrease catheter-related bloodstream infections in the ICU," by Dr. Pronovost, Dale Needham, M.D., Ph.D., Sean Berenholtz, M.D., and others, in the December 28, 2006, *New England Journal of Medicine* 355(26), pp. 2725-2732.