



Sample ROI Calculations

Pushing Patient Wheelchairs in Hospitals

Staff used for patient transport	1
Cost of labour per hour	\$25.00
Time of each trip from A to B (min)	Average 10min (Eg. Ward to Imaging)
Number of trips per day	50
Number of working days	30
COST OF CURRENT METHOD * Involves Manual Twisting, Pulling & Pushing	\$6300.00

*****Many Repetitive strain injuries are cause by tasks such as regularly moving patients in wheelchairs*****

Moving the Wheelchair Using a Powered Device

Staff used per change over	1
Cost of labour per hour	\$25.00
Time of each trip from A to B (min)	Average 7 min
Number of trips per day	50
Number of working days	30
COST OF NEW METHOD * Eliminates Pulling & Pushing	\$4410.00

******Less manual effort will also reduce worker fatigue and improve your employees wellbeing******

Monthly Labour Savings	\$1,890.00
Yearly Labour Savings	\$22,680.00
Cost of Powered Device	\$13,500.00

Pay off period is less than 8 months!

PLUS – Avoid just one injury and potentially save an average additional expense of \$19,000.00!!

Calculations for manual method:

Cost of labor per month = 1 people x \$25.00hr ÷ 60 per min \$0.42
 Time used per month = (10 x 50) = 500 min
 Cost = \$0.42 x 500 = \$210 per day x 30 days = 6300.00 per month

Annual savings using a towing device:

Monthly Labor Savings = \$6300 - \$4410 = \$1890 or \$1890 x 12 = \$22,680 per year

Calculations for Lifting device:

Cost of labor per month = 1 person x \$25.00hr ÷ 60 rate per min \$0.42
 Time used per month = (7 x 50) = 350 min
 Cost = \$0.42 x 350 = \$147.00 per day x 30 days = 4410.00 per month

N.B. Data is general and to be used as a guide only, send us your data and we can accurately calculate ROI.

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