



## 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
<b>COST OF CURRENT METHOD</b>	<b>\$6300.00</b>
* Involves Manual Twisting, Pulling & Pushing	

**\*\*\*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
<b>COST OF NEW METHOD</b>	<b>\$4410.00</b>
* Eliminates Pulling & Pushing	

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

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

**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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