

The Effect of Sparta on Injuries and Medical Expenses

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Analysis of “Users” vs. “Non-Users”

- Categorized as Sparta “Users” of “Non-Users”
- Evaluated time periods prior to Sparta (2012-2014)
- Evaluated time periods after Sparta (2015-2017)
- Utilized injury and billing data

Physician Visits

Pre-Sparta Implementation (2012-2014) vs Post Sparta (2015-2017)

	# of Visits		% Change
	<i>Pre-Sparta</i>	<i>Post-Sparta</i>	
<i>Users</i>	147	113	-23%
<i>Non-Users</i>	79	90	14%

	Charges		% Change
	<i>Pre-Sparta</i>	<i>Post-Sparta</i>	
<i>Users</i>	\$180,621	\$93,024	-48%
<i>Non-Users</i>	\$81,171	\$81,514	0%

Imaging

Pre-Sparta Implementation (2012-2014) vs Post Sparta (2015-2017)

	# of Images		% Change
	<i>Pre-Sparta</i>	<i>Post-Sparta</i>	
<i>Users</i>	87	81	-7%
<i>Non-Users</i>	61	61	0%

	Charges		% Change
	<i>Pre-Sparta</i>	<i>Post-Sparta</i>	
<i>Users</i>	\$308,000	\$304,911	-1%
<i>Non-Users</i>	\$152,003	\$287,818	89%

Physical Therapy

Pre-Sparta Implementation (2012-2014) vs Post Sparta (2015-2017)

	# of Visits		% Change
	<i>Pre-Sparta</i>	<i>Post-Sparta</i>	
<i>Users</i>	86	91	6%
<i>Non-Users</i>	61	81	33%

	Charges		% Change
	<i>Pre-Sparta</i>	<i>Post-Sparta</i>	
<i>Users</i>	\$649,463	\$733,985	13%
<i>Non-Users</i>	\$353,556	\$478,000	35%

Surgery Charges

Pre-Sparta Implementation (2012-2014) vs Post Sparta (2015-2017)

	# of Surgeries		% Change
	<i>Pre-Sparta</i>	<i>Post-Sparta</i>	
<i>Users</i>	34	24	-29%
<i>Non-Users</i>	30	29	-3%

	Charges		% Change
	<i>Pre-Sparta</i>	<i>Post-Sparta</i>	
<i>Users</i>	\$868,257	\$480,237	-45%
<i>Non-Users</i>	\$356,545	\$474,487	33%

Total Medical Care

Pre-Sparta Implementation (2012-2014) vs Post Sparta (2015-2017)

	# of Injuries		% Change
	<i>Pre-Sparta</i>	<i>Post-Sparta</i>	
<i>Users</i>	179	177	-1%
<i>Non-Users</i>	109	122	12%

	Charges		% Change
	<i>Pre-Sparta</i>	<i>Post-Sparta</i>	
<i>Users</i>	\$2,456,154	\$1,978,799	-19%
<i>Non-Users</i>	\$1,177,542	\$1,270,845	8%