

Carle Spine Institute

2010



Patient Outcome Measures Card

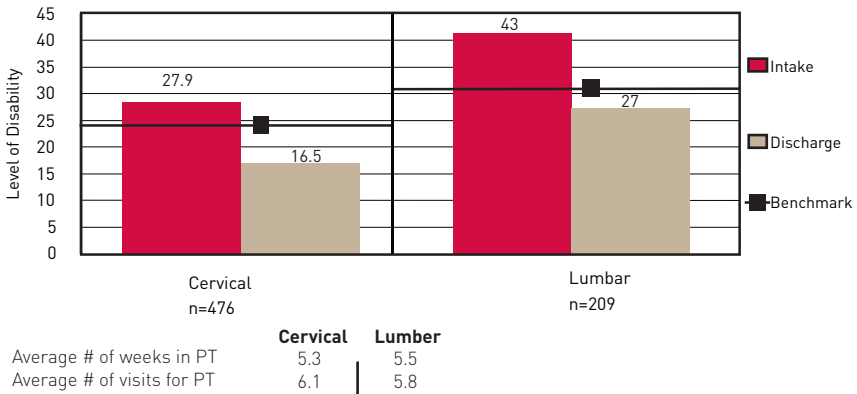
As the region's only multidisciplinary spine center, our experts at Carle Spine Institute handle the area's most complex back and neck pain cases.

Since February 2007, we have collected outcome data on our physical therapy and lumbar and cervical surgery patients. Patients are surveyed prior to treatment and then re-surveyed quarterly to report how pain affected their everyday life for a year after surgery.

The goal of treatment is for the disability and pain level to decrease following therapy or surgery. The graphs show our patient's outcome data as compared to national benchmark targets established by published research. When outcomes are at or below benchmark targets, our goal is achieved.

Physical Therapy (PT)

Therapy Outcomes



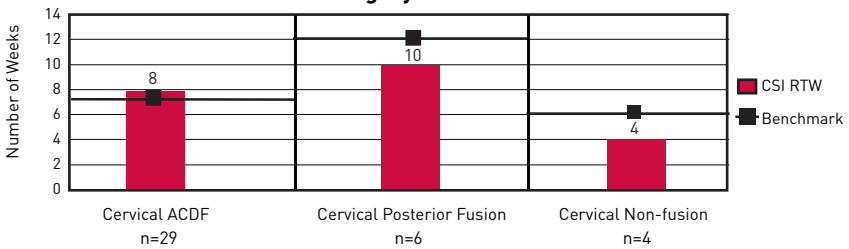
*Goal is to be at or below benchmark target.

Source for benchmark: "A comparison of questionnaires," Physical Therapy 2001;81:776-88; 356:2257-70.

Return to Work (RTW)

(For Workers Compensation Patient Population)

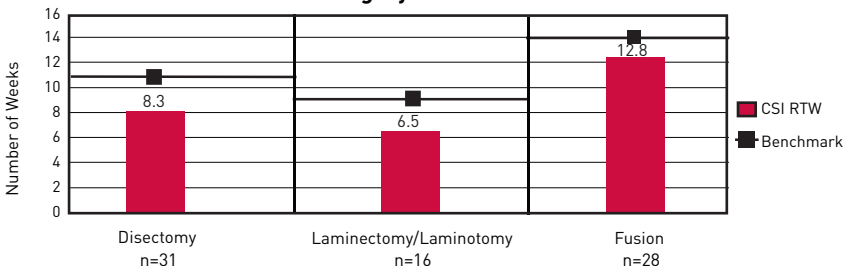
Cervical Surgery Return To Work



*Goal is to be at or less than the benchmark average for time to return to the workplace. CSI has met or is below benchmark for cervical surgeries.

Source for benchmark: Official Disability Guidelines 2009 by Work Loss Data Institute, LLC

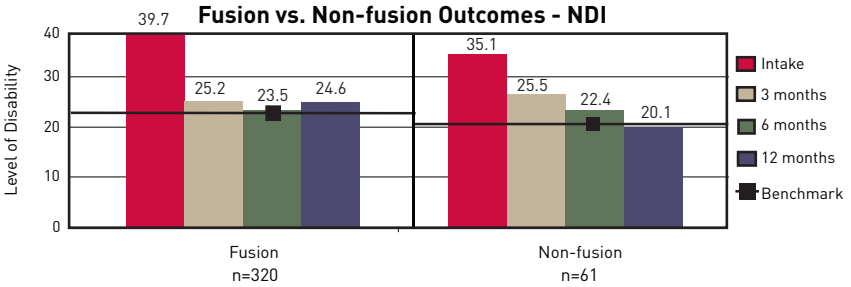
Lumbar Surgery Return To Work



*Goal is to be at or less than the benchmark average for time to return to the workplace. CSI has met or is below benchmark for lumbar surgeries.

Source for benchmark: Official Disability Guidelines 2009 by Work Loss Data Institute, LLC

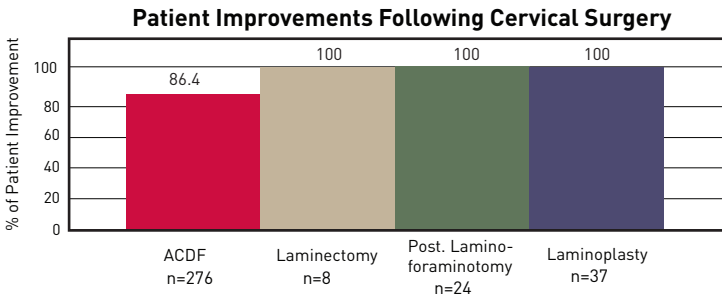
Cervical Surgery



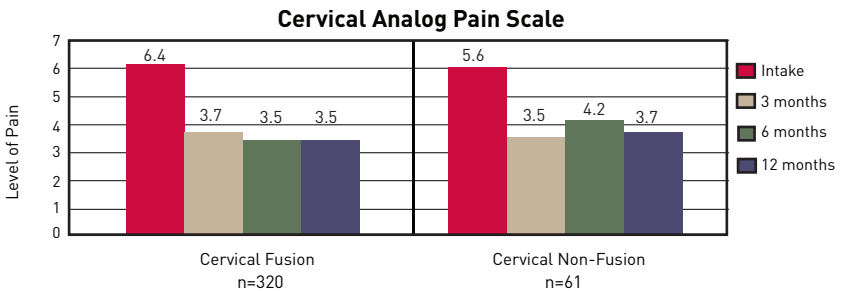
*Goal is to be at or below benchmark target at 6 and 12 months post surgery.

Source for benchmark: "Minimal Clinically Important change of Neck Disability Index for patients with neck pain" Spine 2007; 32:3047-51.

Source for data: Carle Spine Institute internal tracking.

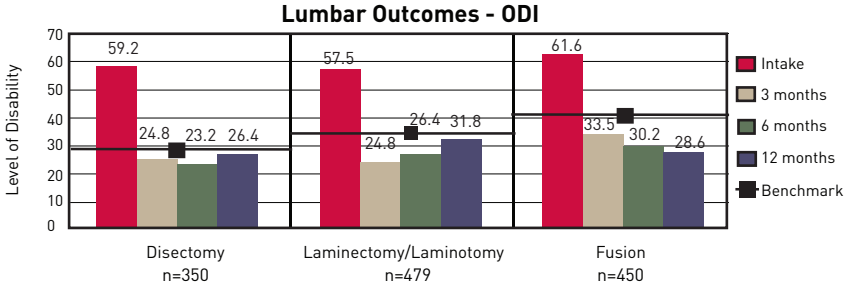


*Percent of patient improvement for cervical surgeries within the last 12 months.



Patients were asked to rate level of pain on a scale of zero to 10, with zero being no pain and 10 being unbearable pain.

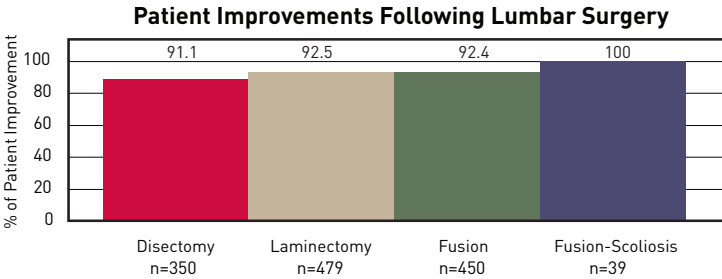
Lumbar Outcomes - ODI



*Goal is to be at or below benchmark target at 6 and 12 months post-surgery.

Source for benchmark: Laminectomy: "Surgical vs Nonsurgical Spine 2007 Therapy for Lumbar Spinal Stenosis", New England Journal of Medicine 2008; 358:794-810. Fusion: "Lumbar Degenerative Spondylolisthesis", New England Journal of Medicine 2007; 32:3047-51. Lumbar: "The Oswestry Disability Index", Spine 2000;25:2940-43. "Isthmic Spondylolisthesis in Adults", Spine 2006; 6:606-14; "Adult Isthmic Spondylolisthesis", Spine 2007; 32:2178-83.

Source for data: Carle Spine Institute internal tracking.



*Percent of patient improvement for lumbar surgeries within the last 12 months.

