

# Analysis of Questionnaire

Evaluation of Application of DDS 500 Ambulatory  
Pneumatic Traction Lumbar Sacral Orthotic Medical Device

## A Methodologic Perspective

*“A Biomechanical Problem requires A Biomechanical Solution”*

- Significant Reduction in Low Back Pain
- Needed for Surgery Negated
- More optimal sleep patterns achieved
- Normal daily activities resumed
- Testimonials and life changing stories that inspire

**Analysis of 879 Patients**

*Once Is Chance, Twice is Coincidence,  
Third Time Is a Pattern*

---

---

## **Introduction**

The following is an analysis of the results of an evaluation of application of the DDS 500 Ambulatory Pneumatic Traction Lumbar Sacral Orthotic Medical Device as reported by 879 users. A questionnaire was sent out in late 2011 and again in early 2014 by Disc Disease Solutions (DDS) with the sole objective of gathering personal use feedback from actual DDS 500 users in the market. These questionnaires were not intended to nor do they fall under guidelines, protocols, standards or policies of any governing agencies whose purpose is overseeing questionnaires of this nature either in or out of the medical industry, conducted for formal reporting. This analysis will not be reported to any agencies with the intent to be formally published within any medical journals for review.

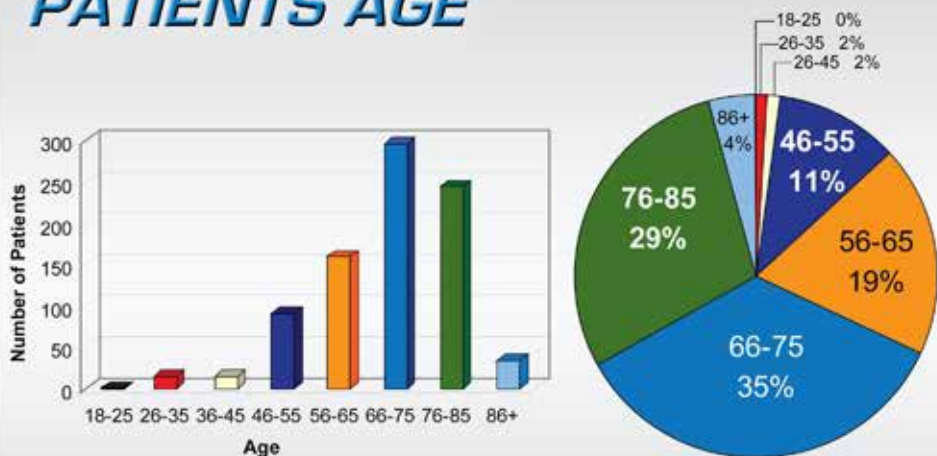
## **Subjects and Methodology**

DDS mailed out a multi-page questionnaire to all DDS 500 users who received the DDS 500 Brace within the time period of 01/01/2009 and 12/20/2013 and who had registered their product. The total amount of questionnaires that were mailed out exceeded just over 2100 and total amount of fully completed questionnaires that were returned was 879. Questionnaires that were returned which were not fully complete or in which it was obvious that the participant did not fully understand the question(s) were discarded and not counted in the final results. With the exception of a few questions of the questionnaire that were asked for internal office use, the results of the 879 users of the DDS 500 who responded are found on the following pages.

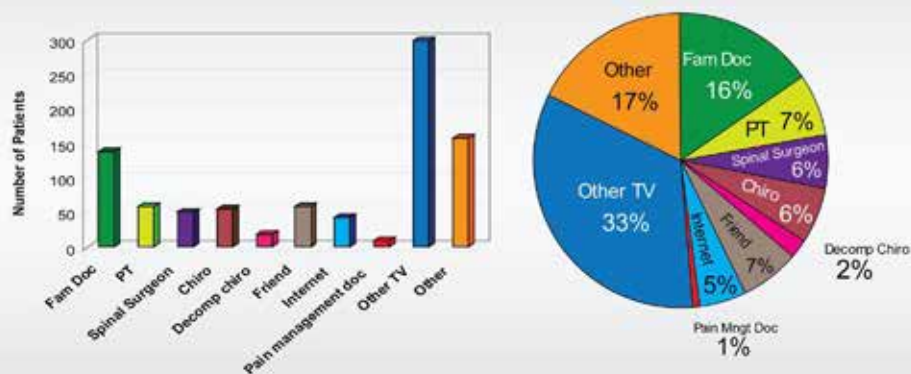
---

---

## PATIENTS AGE



## How did you First Learn about the DDS 500?



## How Quickly did you Feel Relief After Wearing the DDS 500 for the First Time?



Disc Disease Solutions introduces the use of our brace will provide continuous t

*The axial unloading provided by the lumbar DDS Belt directly addresses the biomechanical intolerance that can occur with multi-level degenerative disc disease. It provides immediate symptomatic improvement to many people for whom this is a painful problem. I know this because they often tell me about it in the first 30 seconds that the DDS Belt is pumped up*

**Dr. John Hansen M.D.**  
 Sanford Pain Center  
 Sioux Falls, SD

downwards, stretching the torso ve  
 forces away and reducing the pres

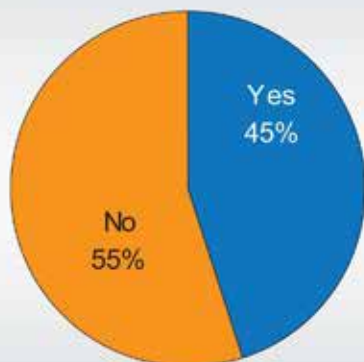
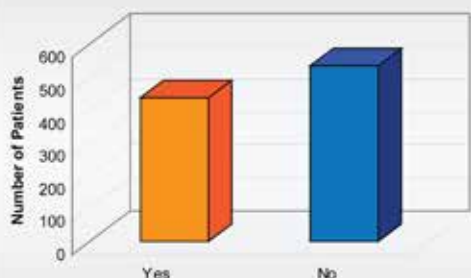
*Disc Disease Solutions introduces the DDS 500 brace which will provide continuous traction to the spine.*

*Therapists have found that the DDS 500 brace is a great addition to their treatment plans. I have no hesitation in recommending the DDS Bracing System. I am seeing dramatic improvement in my patients and find myself overwhelmed with referrals.*

**Dr. Stephen Stokes BS, DC, FIAMA**  
Advanced Pain Solutions, LLC  
Cape Coral, FL

*downwards, stretching the torso and pulling the forces away and reducing the pressure on the discs.*

***Were You Prescribed the DDS 500 in an Effort to Avoid Surgery?***



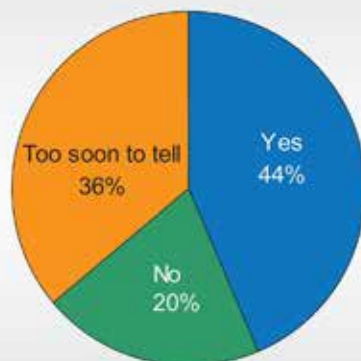
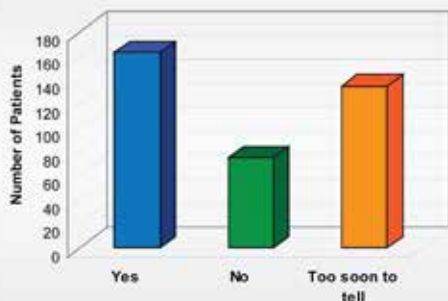
*Disc Disease Solutions introduces the DDS 500 brace. The brace will provide continuous traction to the spine.*

*I immediately recognized the brilliance of this brace and how it can help our patients, it is completely unlike any other brace on the market. To put it mildly, this brace works*

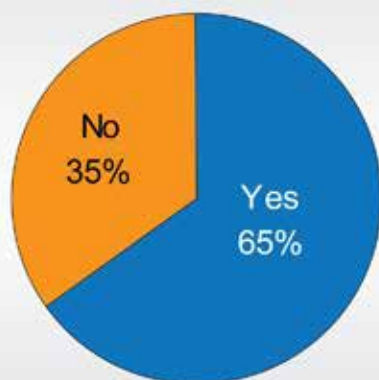
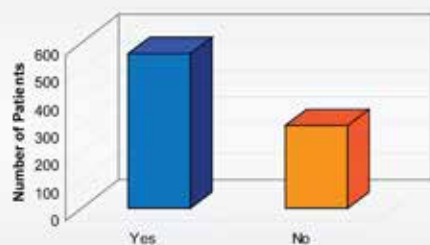
**Dr. Frank Liberti**  
Founder  
SpinalAid Centers of America

*downwards, stretching the torso and pulling the forces away and reducing the pressure on the discs.*

## *Did the DDS 500 Save You From Surgery?*



## Were you Able to Resume More Normal Daily Activities as a result of Wearing the DDS 500?



Disc Disease Solutions introduces the DDS 500 brace. The brace will provide continuous support to the spine during decompression therapy.

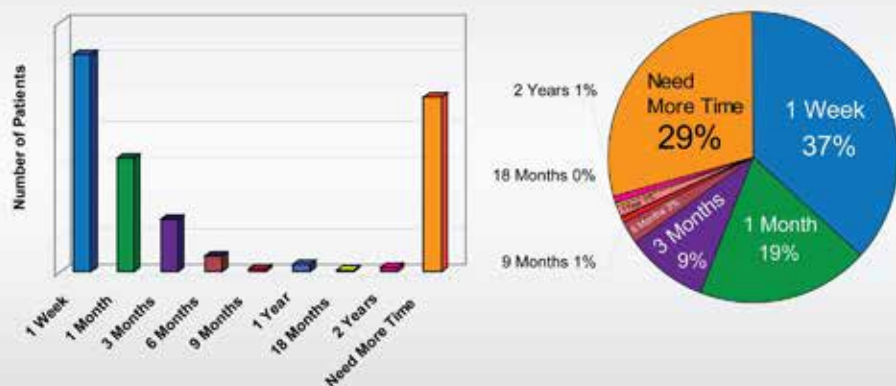
*I have been using the DDS 500 as an adjunct to my spinal decompression therapy system for over 4 years now. I can say, without any hesitation, patient recovery time with decompression is greatly reduced when they use the brace as opposed to doing decompression without it. They simply get to a pain-free state much quicker.*

*The DDS 500 is a key part of my practice adding to the successful and quick recovery of my patients which produces great patient outcomes, high patient satisfaction, and numerous referrals to the practice.*

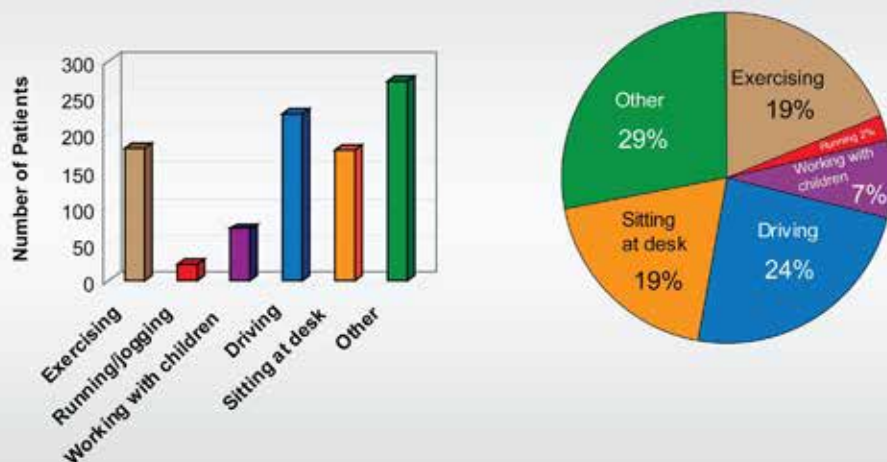
**Bryan Hansen M.S., D.C.**  
 ProSpinal, Inc  
 Reno, NV

downwards, stretching the torso to reduce the forces away and reducing the pressure on the discs.

## How Long After First Applying the DDS 500 Were You Able To Resume Normal Activities?

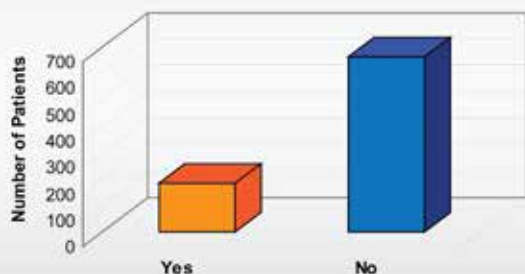


## If Yes, Which Activities?

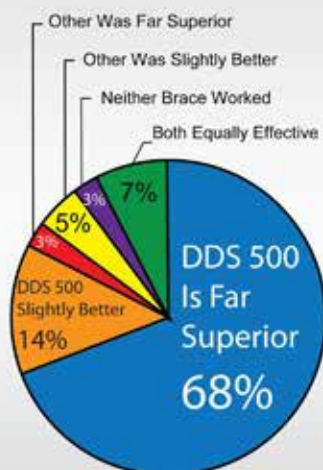
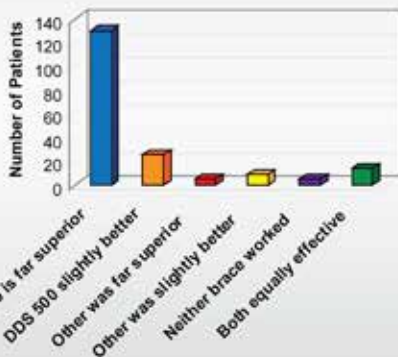




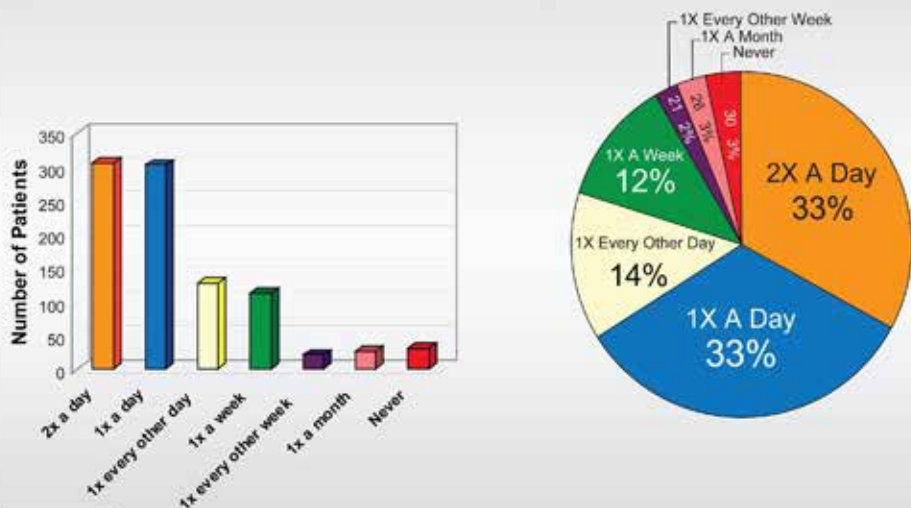
## Before Receiving the DDS 500, were you Already Wearing Another Back Brace?



## Is the DDS 500 Better or Worse than your Previous Brace?



## How Often Do You Wear The DDS 500



Disc Disease Solutions introduces the DDS 500 brace which will provide continuous relief to patients with disc disease.

*I am a physical therapist who had severe pain in my lower back... which allows me to evaluate the DDS 500 from both a patient and a practitioner point of view. Wearing the DDS 500 gave me so much immediate relief I couldn't believe it. I was astonished that only after wearing it for 2 hours I would get 8 hours of relief. The extreme pain in my leg from sciatica would be gone within 5 minutes after putting the brace on.*

*There is no question; I would absolutely recommend the DDS 500 to anyone with lower back pain, including my own patients*

**Terri Gigliotti, P.T.**  
 Excel Orthopedics Specialists  
 Medford, MA

downwards, stretching the torso and pulling the forces away and reducing the pressure on the discs.

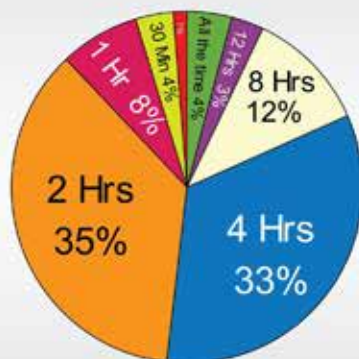
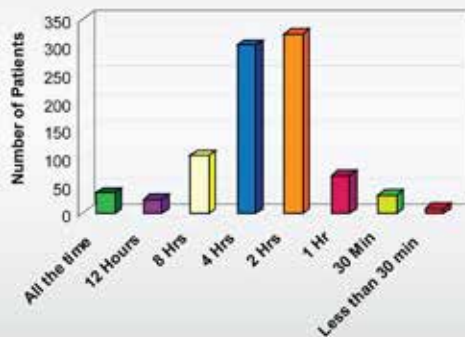
*Disc Disease Solutions introduces the DDS 500 brace. The brace will provide continuous support and stability to the spine, reducing the pressure on the discs and vertebrae.*

*The DDS 500 has been nothing less than a career saver for me. If you are suffering any kind of lower back pain as I was, I certainly recommend you start wearing it ASAP*

**Dr. Frank T. Bunch**  
Chairman, International Horizons Group  
Mobile, AL

*downwards, stretching the torso and pulling the forces away and reducing the pressure on the discs.*

### *How Long do you Wear the DDS 500 Each Time?*



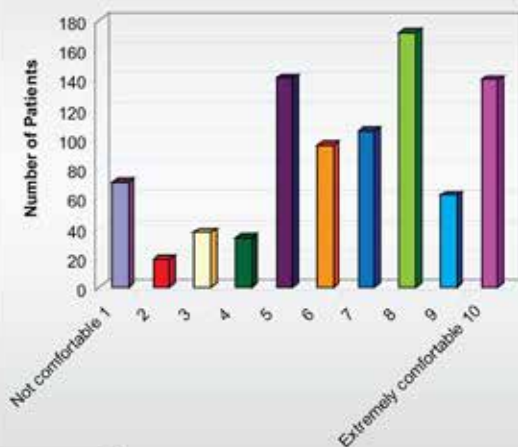
Disc Disease Solutions introduces the DDS 500 brace. The brace will provide continuous treatment to the spine, pulling the vertebrae apart, stretching the ligaments downwards, stretching the torso to relieve the forces away and reducing the pressure on the discs.

*I felt I had exhausted my options and feared surgical intervention was the only resource left. I am pleased to say, I no longer require pain medication! My quality of life is improved.*

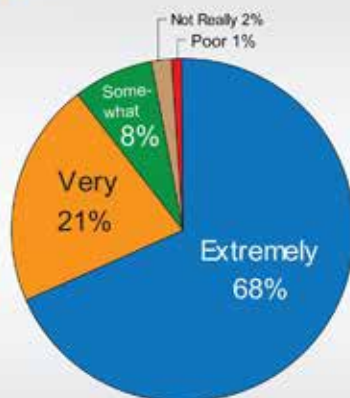
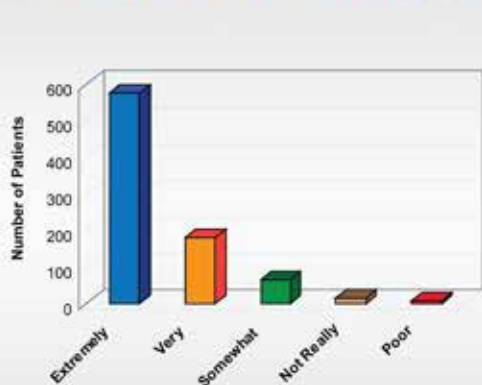
**Phyllis Mandel, P.T**  
 Administrative Director  
 Physical Medicine and Rehabilitation  
 Phelps Memorial Hospital Center

DDS DECOMPRESSION

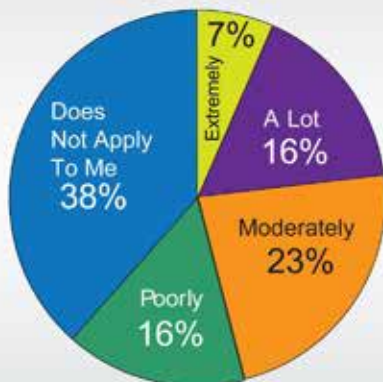
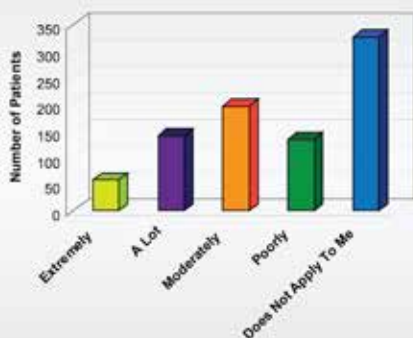
### How Comfortable is the DDS 500?



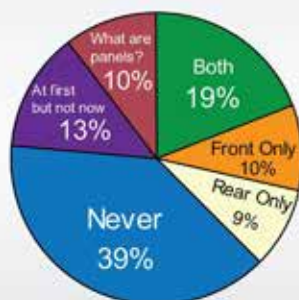
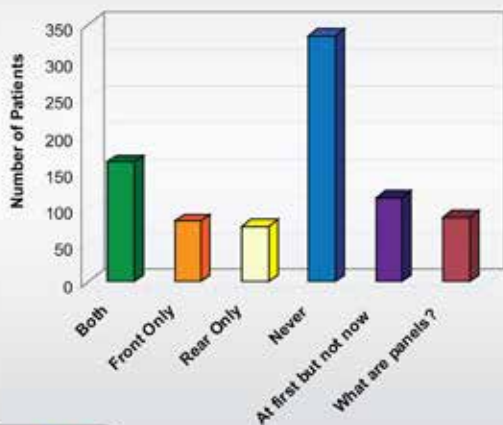
## How Durable is the DDS 500?



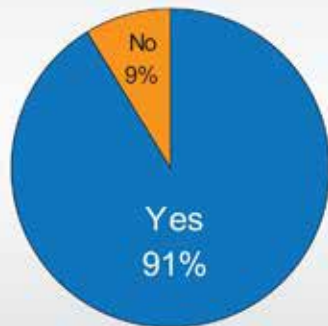
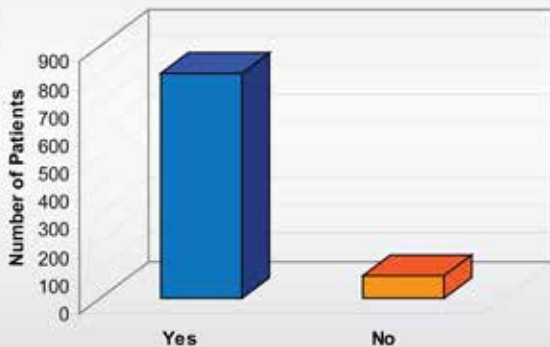
## Does Wearing the DDS 500 Help You Sleep?



## Do You Wear the Rigid Panels Provided with the DDS 500?



## Would you Recommend the DDS 500 to Your Friends or Family?



---

---

## **Highlights**

It is shown that the DDS 500 LSO is effective at providing relief to patients suffering from back pain (65 percent felt relief within the first hour) resulting in them being able to avoid surgery (44% of the 396 patients who were prescribed the brace in an effort to avoid surgery), allowing 65 percent to resume more normal daily activities (37 percent within a week of first wearing the brace). 68 percent of those who were already wearing a different kind/brand of LSO reported that the DDS 500 is far superior to their previous brace. Additionally, 33 percent report wearing the brace once a day and another 33 percent report wearing it twice a day, and 35 percent report wearing it for 2 hours at a time while 33 percent report wearing it 4 hours at a time. Concerning comfort, 71 percent report the brace rating between 6 and 10 in comfort, with 10 being the most comfortable. 68 percent report the brace to be extremely durable. 39 percent say the DDS 500 helps them sleep better at night either by a lot or moderately. An astonishing 91 percent report they would recommend the brace to their friends and family.

The ages of the participants range from 18 to 85 with 29 percent aged between 76-85, 35 percent were aged between 66-75 and 19 percent aged between 56-65.

## **Conclusion**

The DDS 500 is a viable and effective device to help individuals who suffer from low back pain to find relief and get their lives back by being able to return to their normal daily activities.

---

---

All original records including survey results and testimonies with original signatures are on file at the  
Disc Disease Solutions, Inc. offices in Hackensack, NJ



Disc Disease Solutions, Inc.  
100 Commerce Way, Suite 5  
Hackensack, NJ 07601  
888-495-7440