***Pilot at JBLM:***

In Jan 2010, LearningRx in partnership with the Washington State Department of Veterans Affairs and the Warrior Transition Battalion (WTB), JBLM, in Washington State, conducted a pilot program to train and improve the cognitive functioning of 15 volunteers WTB active duty service men and women who were suffering from TBI.  The training concluded in August.  The program format included six hours intensive one-on-one (three hours) and online (three hours) cognitive skills training per week.

To measure the effectiveness of the training program, Woodcock Johnson Cognitive Abilities tests, a nationally recognized standard battery of cognitive tests, were used to conduct pre and post-tests. The results of the pilot program were consistent with similar studies from other States.  WTB soldiers who entered and remained in the program (11 of the original 15 volunteers) gained significant improvement in all seven areas of cognitive functioning, including elimination of symptoms such as memory loss, poor concentration and difficulty organizing thoughts (Please, see Results Table below).

WDVA Fort Lewis TBI Pilot Program Using The LearningRx Brain Training Program

**Student Test Results**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| PreTestName | Pre%til | Post%tile | Gain%tile | PreSSce | PostSScoe | GainSScore |
| **Processing Speed** | **27** | **76** | **49** | **90** | **113** | **23** |
| Auditory Processing | 26 | 55 | 29 | 89 | 102 | 13 |
| **Short- Term Memory** | **41** | **68** | **27** | **95** | **110** | **14** |
| Long-Term Memory | 39 | 65 | 26 | 95 | 107 | 12 |
| **Logic and Reasoning** | **55** | **75** | **21** | **102** | **113** | **11** |
| Visual Processing | 43 | 57 | 14 | 96 | 104 | 8 |
| **Average All Skills** | **38** | **66** | **27** | **95** | **108** | **13** |
| (11 STUDENTS) |  |  |  |  |  |  |

Woodcock Johnson Cognitive Abilities Testing tests used: Pair Cancellation (processing speed), Sound Awareness (auditory processing), Numbers Reversed (short-term memory), Visual –Auditory Learning (long-term memory), Concept Formation (logic and reasoning), and Spatial Relations (visual processing)

Qualitative data was also collected from this pilot.  Some of the data included:

“This impacted all areas of family, work school, and church.”

“My hope is to go back to school to improve not only with reading and writing, but with family and God.”

“Thank you for being a bright light in a dark place”.

“I am not in a haze. I am able to stay organized and focused”

“I wanted to improve my short term memory and processing speed.  They had put a big hamper on my daily living by making just about everything I had to do more difficult. I have seen great improvement in those two areas.  It has definitely helped.”

“I definitely feel more confident in going after what I want and have enrolled in school.”

“It is a great program and well worth the time invested.  I would like to see it continue to be used for people with TBI”