





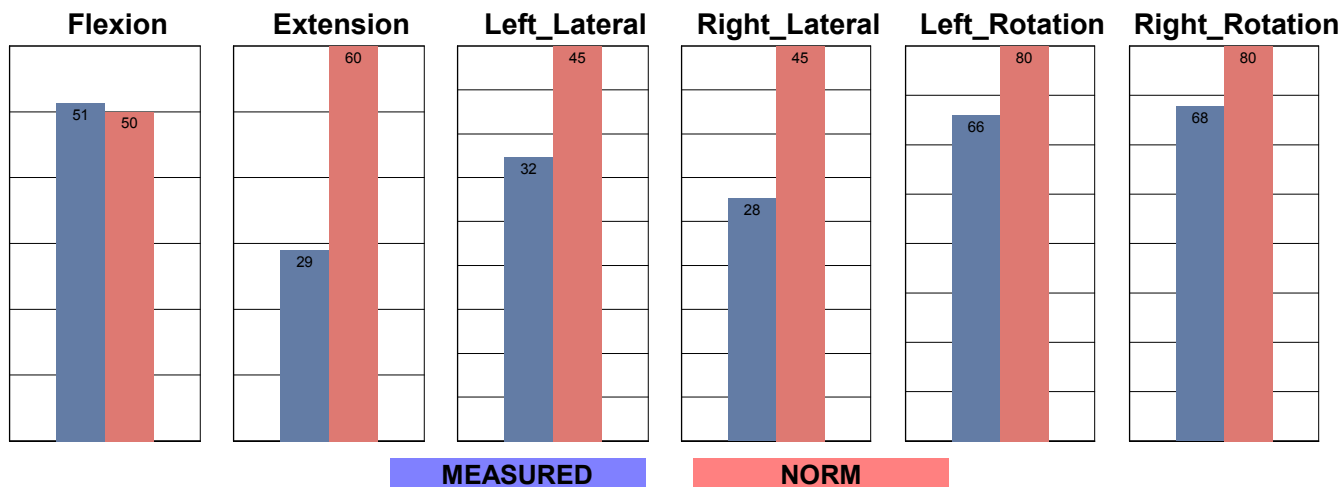


Patient Range of Motion Report  
for  
**Jennifer Adams**





**CERVICAL**

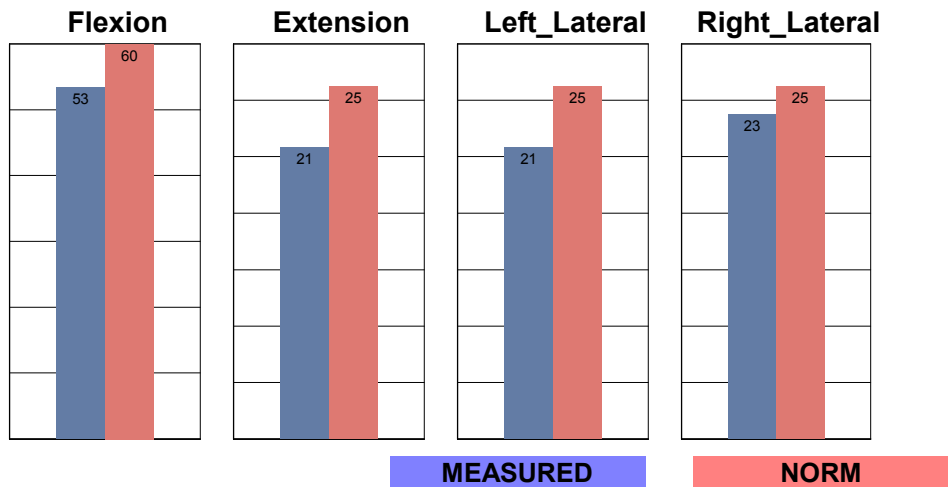
| 5/25/08  | 10:08 am              | Sensor | Test 1 | Test 2 | Test 3 | AVG       | SD         | CV          | Norm      | % From Norm |
|--|-----------------------|--------|--------|--------|--------|-----------|------------|-------------|-----------|-------------|
|    | <b>FLEXION</b>        | A      | 48     | 58     | 49     | <b>51</b> | <b>4.2</b> | <b>0.08</b> | <b>50</b> | <b>*2%</b>  |
| B  |                       | 0      | 2      | 1      |        |           |            |             |           |             |
| A - B  |                       | 48     | 56     | 50     |        |           |            |             |           |             |
|    | <b>EXTENSION</b>      | A      | 33     | 34     | 38     | <b>29</b> | <b>6.9</b> | <b>0.24</b> | <b>60</b> | <b>51%</b>  |
| B  |                       | 8      | 3      | 13     |        |           |            |             |           |             |
| A - B  |                       | 25     | 37     | 25     |        |           |            |             |           |             |
|    | <b>LEFT LATERAL</b>   | A      | 39     | 33     | 36     | <b>32</b> | <b>3.2</b> | <b>0.10</b> | <b>45</b> | <b>28%</b>  |
| B  |                       | 3      | 3      | 5      |        |           |            |             |           |             |
| A - B  |                       | 36     | 30     | 31     |        |           |            |             |           |             |
|   | <b>RIGHT LATERAL</b>  | A      | 38     | 33     | 31     | <b>28</b> | <b>2.5</b> | <b>0.09</b> | <b>45</b> | <b>38%</b>  |
| B  |                       | 10     | 3      | 6      |        |           |            |             |           |             |
| A - B  |                       | 28     | 30     | 25     |        |           |            |             |           |             |
|  | <b>LEFT ROTATION</b>  | A      | 64     | 71     | 63     | <b>66</b> | <b>4.4</b> | <b>0.07</b> | <b>80</b> | <b>17%</b>  |
| B  |                       | 0      | 0      | 0      |        |           |            |             |           |             |
| A - B  |                       | 64     | 71     | 63     |        |           |            |             |           |             |
|  | <b>RIGHT ROTATION</b> | A      | 65     | 66     | 76     | <b>68</b> | <b>6.4</b> | <b>0.10</b> | <b>80</b> | <b>15%</b>  |
| B  |                       | 2      | 1      | 1      |        |           |            |             |           |             |
| A - B  |                       | 63     | 65     | 75     |        |           |            |             |           |             |



Patient Range of Motion Report  
for  
**Jennifer Adams**







**LUMBAR**

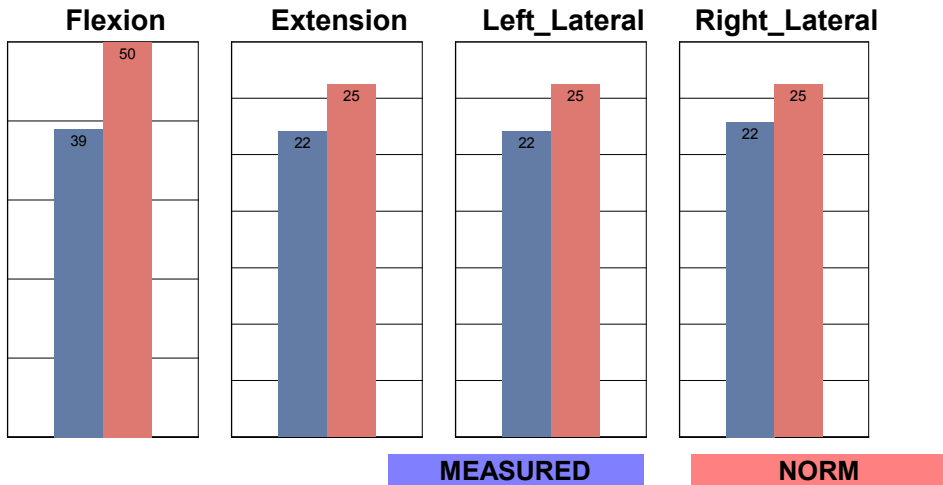
|  |                      | 5/25/08 | 10:24 am | Sensor | Test 1 | Test 2    | Test 3     | AVG         | SD        | CV         | Norm | % From Norm |
|--|----------------------|---------|----------|--------|--------|-----------|------------|-------------|-----------|------------|------|-------------|
|  | <b>FLEXION</b>       | A       | 69       | 67     | 63     | <b>53</b> | <b>0.6</b> | <b>0.01</b> | <b>60</b> | <b>11%</b> |      |             |
|  |                      | B       | 16       | 13     | 10     |           |            |             |           |            |      |             |
|  |                      | A - B   | 53       | 54     | 53     |           |            |             |           |            |      |             |
|  | <b>EXTENSION</b>     | A       | 7        | 10     | 12     | <b>21</b> | <b>0.6</b> | <b>0.03</b> | <b>25</b> | <b>17%</b> |      |             |
|  |                      | B       | 13       | 11     | 9      |           |            |             |           |            |      |             |
|  |                      | A - B   | 20       | 21     | 21     |           |            |             |           |            |      |             |
|  | <b>LEFT LATERAL</b>  | A       | 25       | 25     | 28     | <b>21</b> | <b>1.2</b> | <b>0.06</b> | <b>25</b> | <b>17%</b> |      |             |
|  |                      | B       | 5        | 5      | 6      |           |            |             |           |            |      |             |
|  |                      | A - B   | 20       | 20     | 22     |           |            |             |           |            |      |             |
|  | <b>RIGHT LATERAL</b> | A       | 16       | 19     | 16     | <b>23</b> | <b>1.0</b> | <b>0.04</b> | <b>25</b> | <b>8%</b>  |      |             |
|  |                      | B       | 6        | 5      | 7      |           |            |             |           |            |      |             |
|  |                      | A - B   | 22       | 24     | 23     |           |            |             |           |            |      |             |



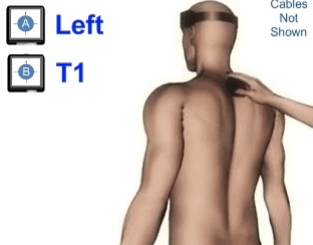
Patient Range of Motion Report  
for  
**Jennifer Adams**

**THORACIC**

| 5/25/08 10:17 am  |                       | Sensor              | Test 1 | Test 2 | Test 3 | AVG       | SD  | CV   | Norm      | % From Norm |
|---|-----------------------|---------------------|--------|--------|--------|-----------|-----|------|-----------|-------------|
|   | <b>FLEXION</b>        | B                   | 46     | 41     | 42     | <b>39</b> | 2.6 | 0.07 | <b>50</b> | <b>22%</b>  |
|   |                       | A                   | 4      | 4      | 4      |           |     |      |           |             |
|   |                       | B - A               | 42     | 37     | 38     |           |     |      |           |             |
|   | <b>EXTENSION</b>      | B                   | 19     | 17     | 14     | <b>22</b> | 1.5 | 0.07 | <b>25</b> | 13%         |
|   |                       | A                   | 4      | 5      | 6      |           |     |      |           |             |
|   |                       | B - A               | 23     | 22     | 20     |           |     |      |           |             |
|   | <b>LEFT LATERAL</b>   | B                   | 22     | 22     | 25     | <b>22</b> | 2.1 | 0.10 | <b>25</b> | 13%         |
|   |                       | A                   | 2      | 1      | 1      |           |     |      |           |             |
|   |                       | B - A               | 20     | 21     | 24     |           |     |      |           |             |
|   | <b>RIGHT LATERAL</b>  | B                   | 22     | 22     | 19     | <b>22</b> | 2.1 | 0.09 | <b>25</b> | 10%         |
|   |                       | A                   | 2      | 1      | 1      |           |     |      |           |             |
|   |                       | B - A               | 24     | 23     | 20     |           |     |      |           |             |
|   | <b>LEFT ROTATION</b>  | <b>Test Omitted</b> |        |        |        |           |     |      |           |             |
|  | <b>RIGHT ROTATION</b> | <b>Test Omitted</b> |        |        |        |           |     |      |           |             |

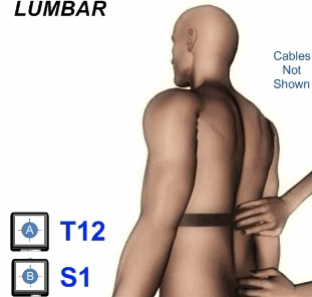


### CERVICAL



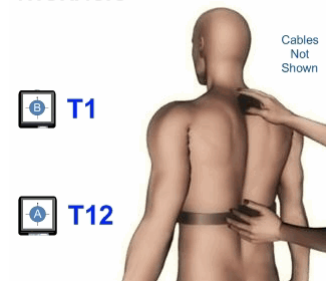
- Cervical Assessment**
- Sensor A is placed on the left side of the head
  - Sensor B is placed at the T1 vertebra

### LUMBAR



- Lumbar Assessment**
- Sensor A is placed at the T12 vertebra
  - Sensor B is placed at the S1 vertebra

### THORACIC



- Thoracic Assessment**
- Sensor A is placed at the T12 vertebra
  - Sensor B is placed at the T1 vertebra

## Glossary of Terms

**Sensor:** Three dimensional inclinometer

**SD:** Standard Deviation - Statistical data showing variation in the patient's range of motion tests

**CV:** Coefficient of Variation - Statistical data showing the percentage of variation in the patient's range of motion tests. Multiply by 100 to determine the percentage value.

**Norm:** Norm range of motion value

**% from Norm:** Percentage difference in patient's range of motion from normal value

- **RED** value indicates greater than 15% degraded range of motion from normal value
- **ORANGE** value indicates less than 15% degraded range of motion from normal value
- **GREEN** value indicates enhanced range of motion above normal value
- \* indicates value exceeds normal value