

# National Orthopaedic Physical Therapy Outcomes Database

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## Orthopaedic Section Shoulder Pain Pilot Project

Introductory Webinar  
September 22, 2015

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Chair, NOPTOD Task Force

Phil McClure PT, PhD, FAPTA  
Chair, Shoulder Guideline Group



## NOPTOD Task Force

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- James Irrgang PT PhD ATC FAPTA (Chair)
- Gerard Brennan PT PhD
- William Boissonnault PT DHSc DPT FAAOMPT FAPTA
- Chad Cook PT PhD MBA FAAOMPT
- Anthony Delitto PT PhD FAPTA
- Joe Godges PT DPT MA OCS
- Lori Michener PT PhD ATC SCS
- Michael Reed DPT MSc OCS MTC
- Joshua Cleland PT PhD OCS FAAOMPT
- Marc Goldstein EdD



## **Orthopaedic Section Strategic Plan**

**Strategic Outcome 1 – Standards of Practice:**

**Objective B – Develop National Orthopaedic Physical Therapy Outcomes Database**



## **National Orthopaedic Physical Therapy Outcomes Database**

**Purposes:**

- **Provide clinicians with a tool they can use to assess their clinical performance**
- **Describe orthopaedic physical therapy practice**
- **Provide evidence of the value of orthopaedic physical therapy**



## National Orthopaedic Physical Therapy Outcomes Database

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The NOPTOD is  
**NOT**  
a Research Project



## National Orthopaedic Physical Therapy Outcomes Database

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### Quality Improvement Projects:

- Assess clinician and organizational performance
- Permitted use of protected health information
- Does not require IRB approval

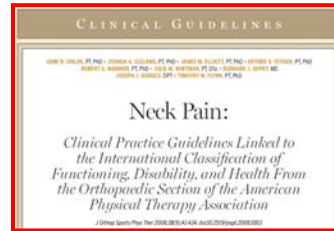


## National Orthopaedic Physical Therapy Outcomes Database

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### Neck Pain Pilot Project:

- Collect & analyze clinical & process outcomes data based on Neck Pain Clinical Practice Guidelines
- **Successfully Completed**  
(n= 250 patients)
- (n= 40 therapists)



## National Orthopaedic Physical Therapy Outcomes Database

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### Purposes of Shoulder Pilot Project:

- Demonstrate feasibility of collecting and analyzing outcomes data
- Determine usefulness of information to enhance clinician performance & establish value of orthopaedic physical therapy
- Use results to plan for an electronic data capture & analysis system for the NOPTOD



## **NOPTOD Shoulder Pain Pilot Project**

### **Overview:**

**Participation in Pilot Project is  
Voluntary & Open to All PT Members  
of Orthopaedic Section**



## **NOPTOD Shoulder Pain Pilot Project**

### **Registration Process:**

- **Complete Registration Form:**

- Name
- E-mail address
- Practice setting
- Organization
- Facility
- Entry level degree
- Years of practice
- Advanced degrees  
(including DPT if entry  
level degree was not DPT)
- Residencies/Fellowships
- ABPTS certifications



## **NOPTOD Shoulder Pain Pilot Project**

### **Registration Process:**

- Completed registration form submitted to Section Office
- Section Office will assign organization/facility & PT ID numbers
- Individualized Case Report Forms, including the organization/facility & PT ID numbers will be provided by Section Office
- Only use Case Report Forms that contain your personal ID information to submit information to the NOPTOD
- Data Use Agreement between clinical site and section
  - Complete and return prior to submission of any data



## **NOPTOD Shoulder Pain Pilot Project**

### **Overview:**

- Data collection: paper-based forms
- Data to be collected includes:
  - Patient characteristics
  - Symptoms & physical examination findings
  - Treatment classification
  - Interventions
  - Clinical outcomes
  - Information summarizing episode of care



## **NOPTOD Shoulder Pain Pilot Project**

### **Overview:**

- Data collected prospectively for 6 months:
  - Oct 2015 through March 2016
- Record data during course of care
- Retrospective chart review of patients treated prior to data collection period not eligible for inclusion in pilot project



## **NOPTOD Shoulder Pain Pilot Project**

### **Overview:**

- Completed forms to be sent to Orthopaedic Section Office
  - Scanned & e-mailed
  - Faxed
  - US postal service
- Forms should be sent soon after the end of care, but will also accept forms monthly or at end of data collection period
- Data will be input by graduate students



## **NOPTOD Shoulder Pain Pilot Project**

### **Overview:**

- **Analysis & summary of information:**
  - Completeness of data collection
  - Accuracy of treatment classification
  - Adherence to evidence-based treatment guidelines
  - Summary of clinical outcomes
  - Summary of episode of care (duration, visits)



## **NOPTOD Shoulder Pain Pilot Project**

### **Overview:**

- Results sent to all section members contributing data
- Summary of personal results
- Summary of overall results to permit comparisons with peers across country
- All results reported anonymously





## NOPTOD Shoulder Pain Pilot Project

### Two Key Documents

- Manual of Operating Procedures (MOP)
  - Reference document describing project and details of standardized methods for data collection
- Case Report Form
  - Data Collection Form
    - Intake Data (pg 1 and 2)
    - Weekly Reporting (pg 3)



## NOPTOD Shoulder Pain Pilot Project

### Manual of Operating Procedures( MOP):

- Developed by team of researchers and clinicians, based on:
  - Shoulder Pain Clinical Practice Guidelines (JOSPT May 2013)
  - STAR Shoulder Classification (PTJ May 2015)
- Philip McClure, PT, PhD, FAPTA (Chair)
- Gerard Brennan, PT, PhD
- James Irrgang, PT, PhD, ATC, FAPTA
- Brian Leggin, PT, DPT, OCS
- Lori Michener, PT, PhD, ATC, SCS, FAPTA
- Ameer Seitz, PT, PhD
- Charles Thigpen, PT, PhD, ATC
- Timothy Uhl, PT, PhD, ATC
- Stephen Kareha, PT, DPT, OCS, ATC



**JOSPT**  
May 2013



Perspective

Staged Approach for Rehabilitation  
Classification: Shoulder Disorders  
(STAR-Shoulder)  
Philip W. McClure, Lori A. Michener

**PTJ**  
May 2015



# Case Report Form

## Identification Information:

- Section Office will provide 10 forms
  - Clinic, PT & Patient ID numbers
- Start with form number 001 and use consecutively numbered form for each new patient
- Do not include any patient identification information (name, SSN, MRN) on form
- Use only forms that have your ID information
- Contact Orthopaedic Section Office if additional forms are needed



National Orthopaedic Physical Therapy Outcomes Database  
Orthopaedic Section, APTA  
Shoulder Pain Case Documentation Form

Page 1

Clinic ID (Section office to enter) | PT ID (Section office to enter) | Patient ID (Section office to enter)

**Episode**

First Visit Date Start of Care / / End of Care / / Visits  
End of Care Status:  Discharged by PT  Discharged to Surgery  Patient terminated treatment

**Patient Characteristics**

Age: _____	Diabetes: <input type="checkbox"/> Yes <input type="checkbox"/> No	Onset Date: / /	Surgery Date: / /
Gender: <input type="checkbox"/> Female <input type="checkbox"/> Male	Thyroid Disease: <input type="checkbox"/> Yes <input type="checkbox"/> No	Onset Mechanism: <input type="checkbox"/> Gradual <input type="checkbox"/> Sudden/Non-traumatic	Surgery Type: <input type="checkbox"/> Rotator Cuff Repair < 3cm <input type="checkbox"/> Rotator Cuff Repair > 3cm
Height: _____ (inches)	Cardiac Disease: <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Traumatic Injury <input type="checkbox"/> Dislocation or subluxation	<input type="checkbox"/> Subacromial decompression <input type="checkbox"/> Biceps tenodesis
Weight: _____ (pounds)	Other: _____	<input type="checkbox"/> Other	<input type="checkbox"/> Biceps tenotomy <input type="checkbox"/> Arthroscopic debridement
Ethnicity: <input type="checkbox"/> Hispanic or Latino <input type="checkbox"/> Not Hispanic or Latino	Recurrent Problem: <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Total Shoulder Arthroplasty <input type="checkbox"/> Reverse Shoulder Arthroplasty	<input type="checkbox"/> SLAP/Labral repair <input type="checkbox"/> Anterior Stabilization
Race: <input type="checkbox"/> White/Caucasian <input type="checkbox"/> Black/African American <input type="checkbox"/> American Indian/Native Alaskan <input type="checkbox"/> Asian <input type="checkbox"/> Native Hawaiian/Other Pacific Islander <input type="checkbox"/> Other	Total Number Comorbidities: <input type="checkbox"/> None <input type="checkbox"/> 1 to 3 <input type="checkbox"/> > 3	History of dislocation/subluxation: <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Tendon Transfer <input type="checkbox"/> AC Joint Reconstruction <input type="checkbox"/> Proximal humerus ORIF <input type="checkbox"/> Other
Insurance Type: <input type="checkbox"/> Commercial <input type="checkbox"/> Medicare <input type="checkbox"/> Medicaid <input type="checkbox"/> Self-Pay <input type="checkbox"/> Automobile <input type="checkbox"/> Workers Compensation <input type="checkbox"/> Other	Smoking: <input type="checkbox"/> Yes <input type="checkbox"/> No	History of corticosteroid injection: <input type="checkbox"/> Less than 30 days ago <input type="checkbox"/> More than 30 days ago	
	Narcotics Use: <input type="checkbox"/> Yes <input type="checkbox"/> No	Surgery: <input type="checkbox"/> Yes <input type="checkbox"/> No	
	NSAID Use: <input type="checkbox"/> Yes <input type="checkbox"/> No		

## Case Report Form:Pg 1

### Intake

#### **Episode of Care:**

- Dates for start and end of care:
  - Use mm/dd/yyyy format
- Total number of visits during episode
- End of care status:
  - Discharged by PT
  - Discharged to Surgery
  - Patient terminated treatment



## Case Report Form Pg 1

#### **Patient Characteristics:**

- |   |                               |
|---|-------------------------------|
| • Age   | • Diabetes                    |
| • Gender  | • Thyroid Disease             |
| • Height (inches)                                     | • Cardiac disease             |
| • Weight (pounds)                                     | • Total number of morbidities |
| • Ethnicity & race (as described by US Census Bureau) | – See list in MOP             |
| • Insurance type                                      | • Smoking                     |
|   | • Narcotic use                |
|   | • NSAID use                   |



# Case Report Form Pg 1

## Patient Characteristics:

- |   |   |
|---|---|
| <p>Onset Date:</p> <ul style="list-style-type: none"> <li>• Enter exact date if known</li> <li>• If only month is known, enter the 1<sup>st</sup> day of the month – ex. injury in March 2011 – enter 03/01/2011</li> <li>• If only year is known, enter 1<sup>st</sup> day of the year – ex. injury in 2008, enter 01/01/2008</li> </ul> | <ul style="list-style-type: none"> <li>• Onset mechanism:                             <ul style="list-style-type: none"> <li>– Gradual</li> <li>– Sudden</li> <li>– Traumatic</li> <li>– Dislocation/ Subluxation</li> </ul> </li> <li>• Recurrent problem</li> <li>• Hx of corticosteroid inject (&lt; 30d, &gt; 30d)</li> <li>• Surgery</li> <li>• Date of surgery</li> <li>• Surgery type</li> </ul> |
|---|---|



Clinic ID (Section office to enter)	Patient ID (Section office to enter)
<b>Symptoms</b>	<b>Initial</b>
Progressive worsening of pain or stiffness	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Location of most distal pain (AA=above acromion; PH=proximal humerus; DH=distal humerus; DE=distal to elbow)	<input type="checkbox"/> AA <input type="checkbox"/> PH <input type="checkbox"/> DH <input type="checkbox"/> DE <input type="checkbox"/> NT
Night or resting pain	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Functional limitation with ADLs	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Functional limitation with work duties	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Functional limitation with strenuous activity/sport	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
<b>Examination Findings</b>	<b>Initial</b>
Positive Hawkins or Neer	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Positive painful resisted elevation or external rotation	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Positive painful arc	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Rotator cuff tear signs (≥1 positive test: drop arm, ER lag sign, IR lag sign, confirmation of full thickness rotator cuff tear on imaging)	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Labral signs (>1 positive test: crank test, anterior slide, or confirmation of labral tear on imaging)	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Scapular dyskinesis (not attributable to passive motion restriction)	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Difference between AROM and PROM for elevation	<input type="checkbox"/> >20° <input type="checkbox"/> 5-20° <input type="checkbox"/> <5°
Limited passive flexion ROM (≥20° difference or <140° bilaterally)	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Limited passive external rotation ROM (≥20° difference or <45° bilaterally)	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Limited passive internal rotation ROM (≥20° difference)	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Onset of pain during PROM (BE=before end range; E=at end range; None/OP=none or only with overpressure)	<input type="checkbox"/> BE <input type="checkbox"/> E <input type="checkbox"/> None/OP
Weakness/Decreased force production	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Positive upper limb tension test	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Positive apprehension test (apprehension, not just pain)	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Positive posterior instability (Positive posterior jerk or posterior apprehension)	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NT
Glenohumeral joint accessory mobility	<input type="checkbox"/> Inc <input type="checkbox"/> Normal <input type="checkbox"/> Dec <input type="checkbox"/> NT
Thoracic spine PA accessory mobility	<input type="checkbox"/> Inc <input type="checkbox"/> Normal <input type="checkbox"/> Dec <input type="checkbox"/> NT
<b>Pathoanatomic Classification: (check primary category only)</b>	
Post-Surgery (for this episode of care)	<input type="checkbox"/>
Subacromial pain syndrome	<input type="checkbox"/>
Passive motion deficits	<input type="checkbox"/>
Instability	<input type="checkbox"/>
Miscellaneous	<input type="checkbox"/>

## Case Report Form: Pg 2

- **Symptoms**
  - Progressive worsening of pain or stiffness
  - Location of most distal pain
    - (AA=above acromion; PH=proximal humerus; DH=distal humerus; DE=distal to elbow)
  - Night or resting pain
  - Functional limitation with ADLs
  - Functional limitation with work duties
  - Functional limitation with strenuous activity/sport
- Record each as either:
  - Present (Y)
  - Not Present (N)
  - Not tested (NT)



## Case Report Form: Pg 2

- **Examination** (most are recorded as either: Y N NT)
  - Positive Hawkins or Neer
  - Positive painful resisted elevation or external rotation
  - Positive painful arc
  - Rotator cuff tear signs (at least 1 positive test: drop arm, ER lag sign, IR lag sign, confirmation of full thickness rotator cuff tear on imaging)
  - Labral signs ( at least 1 positive test: crank test, anterior slide, or confirmation of labral tear on imaging)
  - Scapular dyskinesia (not attributable to passive motion restriction)
  - Difference between AROM and PROM for elevation
    - >20° 5-20° <5°
  - Limited passive flexion ROM ( $\geq 20^\circ$  difference or  $< 140^\circ$  bilaterally)
  - Limited passive external rotation ROM ( $\geq 20^\circ$  difference or  $< 45^\circ$  bilaterally)
  - Limited passive internal rotation ROM ( $\geq 20^\circ$  difference)
  - Onset of pain during PROM
    - (BE=before end range; E=at end range; None/OP=none or only with overpressure)
  - Weakness/Decreased force production
  - Positive upper limb tension test
  - Positive apprehension test (apprehension, not just pain)
  - Positive posterior instability (Positive posterior jerk or posterior apprehension)
  - Glenohumeral joint accessory mobility (Inc Normal Dec NT)
  - Thoracic spine PA accessory mobility (Inc Normal Dec NT)



## Case Report Form: Pg 2

- Pathoanatomic Classification (This should remain static over episode of care, only record initially)
  - Post-Surgery (for this episode of care)
  - Subacromial pain syndrome
  - Passive motion deficits
  - Instability
  - Miscellaneous



## Case Report Form: Pg 3

### Weekly Reporting

- Enter date for start of each week of treatment at the top of each column
- Check box in column if patient was not seen during that week – may be due to:
  - Patient was not scheduled during week
  - Patient has been discharged or
  - Patient has terminated treatment on his/her own



## Case Report Form: Pg 3

- **Irritability Classification** (High-Mod-Low)

– This is may change over an episode of care, record weekly

Stage of Irritability		
High	Moderate	Low
High pain ( $\geq 7/10$ ) Consistent night or rest pain Pain before end of ROM AROM < PROM High disability	Moderate pain (4–6/10) Intermittent night or rest pain Pain at end of ROM AROM = PROM Moderate disability	Low pain ( $\leq 3/10$ ) Absent night or rest pain Minimal pain with overpressure AROM = PROM Low disability



## Case Report Form : Pg 3

- Patient Adherence to Instructions (Y N NT)
- Interventions (record number of times provided each week, MAX 1 PER VISIT)
  - Shoulder: Joint Mobilization – Non-end range
  - Shoulder: Joint Mobilization – End range
  - Spinal Mobilization (Non-thrust)
  - Spinal Manipulation (Thrust)
  - Manual Soft Tissue Mobilization
  - Instrumented Soft Tissue Mobilization
  - Dry Needling
  - ROM Exercises (non-end range)
  - ROM Exercises (end range)
  - ROM/Stretching Exercises (overpressure/long duration)
  - Neuromuscular Control/Coordination Training
  - Resistive Strength Training Exercises (including isometric)
  - Taping/Strapping
  - Patient Education/Activity Modification
  - Therapeutic Ultrasound
  - Electrical agents (e-stim, light, laser)

**Note delineations related to intensity**





So, for example, if you did resistive exercise on two visits within week 2, you would put a "2" in that cell (1 for each day). Regardless of how many individual exercises the patient did each visit. Obviously, more than 1 intervention type may occur each visit so if you also did end-range joint mobilization on both visits, you would mark as below

Clinic ID (Section office to enter) | PT ID (Section office to enter) | Patient ID (Section office to enter)

**Weekly Reporting**

Date: (mm/dd/yyyy)								
Not Scheduled/Discharged/Terminated Treatment:								
	Initial	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	DC	
Irritability Classification: (check primary category only) (H = High, M = Moderate, L = Low)		H M L	H M L	H M L	H M L	H M L	H M L	
Patient demonstrates adherence to instructions		Y N NT	Y N NT	Y N NT	Y N NT	Y N NT	Y N NT	
<b>INTERVENTIONS</b> (record number of times provided each week, MAX 1 PER VISIT)		Initial Wk	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	DC
Shoulder: Joint Mobilization – Non-end range			2					
Shoulder: Joint Mobilization – End range								
Spinal Mobilization (Non-thrust)								
Spinal Manipulation (Thrust)								
Manual Soft Tissue Mobilization								
Instrumented Soft Tissue Mobilization								
Dry Needling								
ROM Exercises (non-end range)								
ROM Exercises (end range)								
ROM/Stretching Exercises (overpressure/long duration)								
Neuromuscular Control/Coordination Training								
Resistive Strength Training Exercises (including isometric)			2					
Taping/Strapping								
Patient Education/Activity Modification								
Therapeutic Ultrasound								
Electrical agents (e-stim, light, laser)								
<b>OUTCOMES</b>		Initial	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	DC
Penn Shoulder Score (0 to 100, 0 worst)								
Pain with normal activities (eating, dressing, bathing)? (0-10, 10 worst)								

## Case Report Form

### Interventions:

- Record number of times each intervention was provided during each week of treatment
- "Initial" treatment should include all interventions provided in 1<sup>st</sup> week of treatment
- Interventions recorded for subsequent weeks should include number of times the intervention was provided that week
- If patient was seen beyond 6 weeks, record the total number of times the intervention was provided beyond 6 weeks in the column labeled "DC" (discharge)



## Case Report Form Pg 3

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- Outcomes (record weekly)
  - Penn Shoulder Score (0 to 100, 0 worst)
    - Sum total of Pain (30 pts), Satisfaction (10 pts), Function (60 pts)
  - Pain with normal activities ? (eating, dressing, bathing)
    - (0-10, 10 worst)



## National Orthopaedic Physical Therapy Outcomes Database

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**The NOPTOD is a Quality  
Improvement Project**

**NOT**

**a Research Project**

**IRB Approval Is Not Necessary**



# National Orthopaedic Physical Therapy Outcomes Database

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## Questions???



Clinic ID (Section office to enter) | PT ID (Section office to enter) | Patient ID (Section office to enter)

### Weekly Reporting

Date: (mm/dd/yyyy)							
<b>Not Scheduled/Discharged/Terminated Treatment:</b>							
	□	□	□	□	□	□	□
	Initial	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	DC
<b>Irritability Classification: (check primary category only)</b> <small>(H = High, M = Moderate, L = Low)</small>	H M L	H M L	H M L	H M L	H M L	H M L	H M L
<b>Patient demonstrates adherence to instructions</b>	Y N NT	Y N NT	Y N NT	Y N NT	Y N NT	Y N NT	Y N NT
<b>INTERVENTIONS</b>							
<small>(record number of times provided each week, MAX 1 PER VISIT)</small>							
Shoulder: Joint Mobilization – Non-end range							
Shoulder: Joint Mobilization – End range							
Spinal Mobilization (Non-thrust)							
Spinal Manipulation (Thrust)							
Manual Soft Tissue Mobilization							
Instrumented Soft Tissue Mobilization							
Dry Needling							
ROM Exercises (non-end range)							
ROM Exercises (end range)							
ROM/Stretching Exercises (overpressure/long duration)							
Neuromuscular Control/Coordination Training							
Resistive Strength Training Exercises (including isometric)							
Taping/Strapping							
Patient Education/Activity Modification							
Therapeutic Ultrasound							
Electrical agents (e-stim, light, laser)							
<b>OUTCOMES</b>							
Penn Shoulder Score (0 to 100, 0 worst)	Initial	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	DC
Pain with normal activities (eating, dressing, bathing)? (0-10, 10 worst)							

The Penn Shoulder Score, Part 1: Pain and Satisfaction Subscales

Please circle the number closest to your level of pain or satisfaction

<b>Pain at rest with your arm by your side:</b> 0 1 2 3 4 5 6 7 8 9 10 No Pain Worst pain possible	Official Use Only _____ (10 - # circled)
<b>Pain with normal activities (eating, dressing, bathing)</b> 0 1 2 3 4 5 6 7 8 9 10 No pain Worst pain possible	_____ (10 - # circled) Score 0 if not Applicable
<b>Pain with strenuous activities (reaching, lifting, pushing, pulling)</b> 0 1 2 3 4 5 6 7 8 9 10 No pain Worst pain possible	_____ (10 - # circled) Score 0 if not Applicable
<b>Pain Score</b> = ____ / 30	
<b>How satisfied are you with the current level of function of your shoulder?</b> 0 1 2 3 4 5 6 7 8 9 10 No pain Worst pain possible	_____ (10 - # circled)

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**Penn Shoulder Score: Function Subscale**

Please circle the number that best describes the level of difficulty you might have performing each activity

	No difficulty	Some difficulty	Much difficulty	Can't do at all	Did not do before injury
1. Reach the small of your back to tuck your shirt in with your hand	3	2	1	0	X
2. Wash the middle of your back/neck/bra	3	2	1	0	X
3. Perform necessary toileting activities	3	2	1	0	X
4. Wash the back of opposite shoulder	3	2	1	0	X
5. Comb hair	3	2	1	0	X
6. Place hand behind head with elbow held straight out to the side	3	2	1	0	X
7. Dress self (including put on coat and pull shirt off overhead)	3	2	1	0	X
8. Sleep on affected side	3	2	1	0	X
9. Open a door with affected arm	3	2	1	0	X
10. Carry a bag of groceries with affected arm	3	2	1	0	X
11. Carry a briefcase/ suitcase with affected arm	3	2	1	0	X
12. Place a soup can (1-2 lb) on a shelf at shoulder level w/o bending elbow	3	2	1	0	X
13. Place a one gallon container (8-10 lb) on a shelf at shoulder level w/o bending elbow	3	2	1	0	X
14. Reach a shelf above your head w/o bending your elbow	3	2	1	0	X
15. Place a soup can (1-2 lb) on a counter overhead w/o bending your elbow	3	2	1	0	X
16. Place a one gallon container (8-10 lb) on a shelf overhead w/o bending elbow	3	2	1	0	X
17. Perform a usual sports hobby	3	2	1	0	X
18. Perform household chores (cleaning, laundry, cooking)	3	2	1	0	X
19. Throw overhead/swim/overhead racket sports. (circle all that apply to you)	3	2	1	0	X
20. Work full-time at your regular job	3	2	1	0	X

**Scoring**

Total of Xs = \_\_\_\_\_ (a)

Number of Xs x 3 = \_\_\_\_\_ (b); 60 - \_\_\_\_\_ (b) = \_\_\_\_\_ (c)

(If no Xs are circled, function score = total # of columns)

Function Score = ( \_\_\_\_\_ + \_\_\_\_\_ ) = \_\_\_\_\_ x 60 = \_\_\_\_\_ / 60

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