



Job Task Analysis

Employer:	Stanislaus County
Occupation:	Physician Assistant & Senior
Company Contact:	Risk Management 1010 10 th Street Modesto, California 95354 (209) 525-5770
Date:	January 2009; May 2015
Analysis Provided By:	Lyle Andersen, PT, CWCE Andersen Physical Therapy, Inc. 1917 Coffee Road Modesto, California 95355 (209) 549-4626

INTRODUCTION:

A complete job description is available through Stanislaus County Human Resources. The environmental factors, physical and functional demands for this Job Task Analysis were documented by Andersen Physical Therapy, Inc. The methodology for documentation consisted of on-site visits, using various measuring devices such as dynamometers and scales, as well as observation and interviews with employees and managers. A detailed record was made of the physical and functional demands of the job in terms of force pounds, weight, frequency, height, distance, anthropometric measurements, stamina, and degrees of range of motion. The determination of the frequencies of functional activities is based on standards provided by the National Institute for Occupational Safety and Health (NIOSH) and the Work Practice Guide for Manual Lifting (U.S. Department of Commerce, National Technical Information Service).

The Job Task Analysis is organized as follows: General work description; safety requirements; equipment; environmental factors; and physical/functional demands.

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<http://www.stancounty.com/riskmgmt/risk-dm-jta-class-sub-main.shtm>

GENERAL WORK DESCRIPTION:

The frequency of the following activities may vary according to the physical requirements of the specific job tasks that the employee may be required to perform at random intervals.

Under the general supervision of a physician, **Senior Physician Assistant** provides a variety of primary diagnostic and medical care services and to perform related duties as required. The position of Senior Physician Assistant is distinguished from **Physician Assistant** by the greater independence and expertise in job performance, by progressive increase in quantity and quality of work performed and in the achievement of the full confidence and trust of the primary care of supervising physician.

SPECIFIC DUTIES: Available through the Human Resources Department at the County of Stanislaus.

<http://www.stancounty.com/riskmgmt/risk-dm-jta-class-sub-main.shtm>

Safety Requirements: All employees are required to observe company safety procedures and standards to insure individual and collective safety, in addition to avoiding unnecessary risk to oneself, co-workers, customers, and property.

Equipment:

- | | |
|-----------------------------|---------------------|
| 1. AED | 10. Otoscope |
| 2. Blood pressure cuff | 11. Ophthalmoscope |
| 3. Computer | 12. Oximeter |
| 4. Crash cart/Emergency box | 13. Portable oxygen |
| 5. IV pole | 14. Scale |
| 6. Keyboard | 15. Stethoscope |
| 7. Laptop computer | 16. Thermometer |
| 8. Microscope | 17. Wheelchair |
| 9. Mouse | |

*All employees within the **Physician Assistant & Senior** position are required to provide physical assistance for all weight and frequency requirement needs of all job tasks in order to maintain a safe work environment. Employees must be physically capable of working in any of the job tasks within the **Physician Assistant & Senior** position.*

ENVIRONMENTAL FACTORS



The following percentages are given in terms of an eight-hour workday:

Seldom =	1% - 2%	Frequent =	34% - 66%
Occasional =	3% - 33%	Constant =	67% - 100%

ENVIRONMENTAL FACTORS		MAXIMUM FREQUENCY
1.	Unprotected heights: Foot stool	Seldom
2.	Being around moving machinery: Traffic	Seldom
3.	Exposure to marked changes in temperature and humidity: outside temperatures may seasonally vary between 28-110 degrees.	Not Applicable
4.	Exposure to dust, fumes, smoke, gases, or other irritating substances (specify): Formalin	Seldom
5.	Driving:	Seldom
6.	Exposure to excessive noise:..... <i>Hearing protection is available</i>	Not Applicable
7.	Exposure to radiant or electrical energy:.....	Not Applicable
8.	Exposure to solvents or chemicals:..... <i>Refer to MSDS document.</i>	Occasional
9.	Exposure to slippery or uneven walking surfaces:..... Spills, undeveloped ground, wet.	Seldom
10.	Working below ground:.....	Not Applicable
11.	Unusual fatigue factors:	Not Applicable
12.	Working with explosives:.....	Not Applicable
13.	Excessive vibration:	Not Applicable
14.	Working with hands in water or other substance:..... <i>Hand protection is available</i>	Occasional
15.	Working proximity:.....	Alone: Not Required Closely with others: Continuous
16.	Working inside:.....	Continuous
17.	Working outside:.....	Not Applicable

FUNCTIONAL ACTIVITIES



The frequency of the following activities may vary according to the physical requirements of the specific job tasks the employee may be required to perform at random intervals.

PHYSICAL AND FUNCTIONAL REQUIREMENTS

<u>FREQUENCY DEFINITIONS</u>	<u>SELDOM</u>	<u>OCCASIONAL</u>	<u>FREQUENT</u>	<u>CONSTANT</u>
Percent of the Day	1-2%	3-33%	34-66%	67-100%
Material Handling	1-4 Reps	5-32 Reps	33-250 Reps	251-2,000 Reps
Non Material Handling	1-4 Reps	5-32 Reps	33-250 Reps	251-2,000 Reps
Repetitive & Static Work	1-50 Reps	51-250 Reps	251-1,000 Reps	1,001-20,000 Reps

1.) **PUSH**: *Pushing activities may require use of the back in conjunction with leg and arm musculature.*

<u>MAXIMUM REQUIREMENT</u>	
0-10 pounds:	Occasional
11-25 pounds:	Seldom
26-35 pounds:	Seldom
36-50 pounds:	Not Required
51-75 pounds:	Not Required
76-100 pounds:	Not Required
Maximum Force: 35 Pounds	

Assistive Devices: 4-Wheeled Cart, Hand Truck. Additionally, one person assistance is available with forces greater than 35 pounds.

Comments: Pushing is utilized with activities such as adjusting moving, and/or transporting equipment and patients (e.g. wheelchairs, treatment table stand, portable support equipment, scale, cart, linen hamper, patient transfers, hoist lift, electrocardiogram cart, crash cart). The employee exerts up to 35 pounds of force in a horizontal plane between waist and shoulder height of a distance up to 25+ feet when performing job tasks (e.g. up to 35 pounds of force to move or reposition patients within or out of cart/chair; 4-wheel patient support equipment; turn patients on table; open/close drawer, file, door).

2.) **PULL**: *Pulling activities may require use of the back in conjunction with leg and arm musculature.*

<u>MAXIMUM REQUIREMENT</u>	
0-10 pounds:	Occasional
11-25 pounds:	Seldom
26-35 pounds:	Seldom
36-50 pounds:	Not Required
51-75 pounds:	Not Required
76-100 pounds:	Not Required
Maximum Force: 35 Pounds	

Assistive Devices: 4-Wheeled Cart, Hand Truck. Additionally, one person assistance is available with forces greater than 35 pounds.

Comments: Pulling is utilized with activities such as adjusting moving, and/or transporting equipment and patients (e.g. wheelchairs, treatment table stand, portable support equipment, scale, gurney, linen hamper, patient transfers, hoist lift, electrocardiogram cart, crash cart). The employee exerts up to 35 pounds of force in a horizontal plane between waist and shoulder height of a distance up to 25+ feet when performing job tasks (e.g. up to 35 pounds of force to move or reposition patients within or out of cart/chair; 4-wheel patient support equipment; turn patients on table; open/close drawer, file, door). *Pushing is the preferred method of moving carts.*

3.) **STAND-UP LIFT:** *Lifting weighted objects between floor and waist height.*

<u>MAXIMUM REQUIREMENT</u>	
0-10 pounds:	Seldom
11-25 pounds:	Seldom
26-35 pounds:	Seldom
36-50 pounds:	Seldom
51-75 pounds:	Not Required
76-100 pounds:	Not Required
Maximum Force: 40 Pounds	

Assistive Devices: One or more person(s) assistance is available with weights greater than 40 pounds.

Comments: A stand-up lift is utilized with activities such as adjusting, moving, and/or transporting equipment, patients, and supplies (e.g. patients, miscellaneous supplies and miscellaneous equipment). The employee lifts items weighing between <1 pound and 40 pounds when performing job tasks (e.g. up to 200+ pound fallen patient; miscellaneous supplies and articles; soiled linen and/or debris from floor). *Safe lifting is performed by utilizing a posture of partial squatting and a straight back.*

4.) **LEVEL LIFT:** *Lifting weighted objects from between waist and chest height level for a maximum horizontal distance of up to four feet.*

<u>MAXIMUM REQUIREMENT</u>	
0-10 pounds:	Frequent
11-25 pounds:	Seldom
26-35 pounds:	Seldom
36-50 pounds:	Seldom
51-75 pounds:	Not Required
76-100 pounds:	Not Required
Maximum Force: 40 Pounds	

Assistive Devices: 4-Wheeled Cart, Hand Truck. Additionally, one or more person(s) assistance is available with weights greater than 40 pounds.

Comments: A level lift is utilized with activities such as adjusting, moving, and/or transporting equipment, patients, and supplies (e.g. patients, miscellaneous supplies and miscellaneous equipment). The employee lifts items weighing between <1 pound and 40 pounds when performing job tasks (e.g. assist patient sit/stand transfer; miscellaneous supplies and equipment; clean or soiled linen; EMR device; desktop work; miscellaneous medical evaluation equipment).

5.) **WEIGHT CARRY:** *Carrying weighted objects between waist and chest height beyond a distance of four feet.***MAXIMUM REQUIREMENT**

0-10 pounds:	Frequent	
11-25 pounds:	Seldom	
26-35 pounds:	Seldom	
36-50 pounds:	Seldom	
51-75 pounds:	Not Required	
76-100 pounds:	Not Required	Maximum Force: 40 Pounds

Assistive Devices: 4-Wheeled Cart, Hand Truck. Additionally, one or more person(s) assistance is available with weights greater than 40 pounds.

Comments: Weight carry is utilized with activities such as adjusting, moving, and/or transporting equipment, patients, and supplies (e.g. patients, miscellaneous supplies and equipment). The employee lifts items weighing between <1 pound and 40 pounds when performing job tasks (e.g. assist patient ambulation; miscellaneous supplies and equipment; laptop computer; clean or soiled linen; EMR device; miscellaneous medical evaluation equipment).

6.) **OVERHEAD LIFT/PULL DOWN:** *Lifting weighted object from/to chest and overhead height level.***MAXIMUM REQUIREMENT**

0-100 pounds:	Not Required	Maximum Force: 0 Pounds
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Assistive Devices: A vertical ladder, step ladder or step stool is available to bring items to eye or shoulder level.

Comments: Overhead lift/pull down is not required in performing job tasks. *Variables to overhead reaching will be the employee's height and anthropometric reach. Step stool is available.*

7.) **OVERHEAD REACH:**

MAXIMUM FREQUENCY:	Seldom
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Comments: Overhead reach is performed to a maximum height of 72 inches when retrieving, returning, adjusting, and/or moving equipment and supplies (e.g. locate miscellaneous stored item). *A ladder (appropriate height) or step stool may be utilized to bring items to eye or shoulder level. Variables to overhead reaching will be the employee's height and anthropometric reach.*

8.) **FORWARD REACH:**

MAXIMUM FREQUENCY:	Frequent
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Comments: Forward reach is performed to a distance of 28 inches when retrieving, returning, adjusting, and/or moving equipment and supplies (e.g. medicate patient; medical records documentation; hand contact during evaluation and patient assessment; patient assessment and/or treatment; dressing change; desktop work; injection administration). *The degree of elbow extension required for reaching will vary according to the employee's anthropometric reach.*

9.) **STOOP:**

**MAXIMUM
FREQUENCY:** Seldom

Comments: Stooping is required to perform job tasks (e.g. make level eye contact with patient; medical evaluation and assessment). *Variable to stooping will be the employee's height. Stooping of the head, trunk and knees can be minimized or avoided by substituting alternate positions of squatting, kneeling or bending when performing job tasks.*

10.) **SQUAT:** (Unloaded)

**MAXIMUM
FREQUENCY:** Seldom

Comments: Squatting is performed when adjusting and/or utilizing equipment (e.g. retrieve/return items from/to lower shelves). *Squatting may be minimized or avoided by substituting alternate positions of bending half kneeling, sitting or kneeling. Partial squatting is a preferred lifting posture.*

11.) **FORWARD BEND:**

**MAXIMUM
FREQUENCY:** Occasional

Comments: Bending forward at the waist is performed when retrieving, returning, adjusting and/or utilizing equipment and supplies (e.g. retrieve/return items from/to lower shelves; applying bandages; splints; patient assessment and treatment). Maximum forward trunk flexion required is 60 degrees. *Employee may avoid excessive forward bending of the trunk up to 80 degrees by using alternate positions of bending at the hips, kneeling, half kneeling, stooping, sitting or squatting.*

12.) **TWIST:**

**MAXIMUM
FREQUENCY:** Occasional

Comments: Twisting at the waist is performed when retrieving, returning, adjusting and/or utilizing equipment and supplies (e.g. patient evaluation, assessment and/or treatment). *Twisting at the waist may be minimized by turning the whole body, including the feet and working from a swivel chair.*

13.) **TURN:**

**MAXIMUM
FREQUENCY:** Occasional

Comments: Turning is performed when retrieving, returning, adjusting and/or utilizing equipment and supplies (e.g. patient treatment, evaluation, and/or assessment).

14.) **KNEEL:**

**MAXIMUM
FREQUENCY:** Seldom

Comments: Kneeling is performed when performing job tasks (e.g. participating in emergency cardiopulmonary resuscitation at floor level; attending to fallen patient). *Kneeling may be minimized or avoided by substituting alternate positions of bending, squatting, or half kneeling.*

15.) **CRAWL:**

**MAXIMUM
FREQUENCY:** Not Required

Comments: Crawling is not required to perform job tasks.

16.) **STAIR CLIMB:**

**MAXIMUM
FREQUENCY:** Not Required

Comments: Stair climb is not required to perform job tasks.
HSA elevator is out of service from time-to-time for repair. Two elevators located at HSA.

17.) **LADDER CLIMB:**

**MAXIMUM
FREQUENCY:** Not Required

Comments: Ladder climbing is not required to perform job tasks. *Variables to overhead climbing will vary according to the employee's height and anthropometric reach.*

18.) **WALK:**

**MAXIMUM
FREQUENCY:** Frequent

Comments: Walking is performed when retrieving, returning, moving, and/or transporting equipment, and supplies (e.g. provide patient care; travel between supply areas; office and examination rooms to/from collaborating agency and/or colleague). Walking length varies between 3 feet and 200+ feet depending on job task.

19.) **SIT:**

**MAXIMUM
FREQUENCY:** Frequent

Comments: Sitting is performed for a maximum of 60-minute intervals when preparing documentation (e.g. desktop work; documentation; meeting; interview; assessment and patient treatment).

20.) **STAND:** *(Static)*

**MAXIMUM
FREQUENCY:** Occasional

Comments: Static standing is performed for a maximum of 15-minute intervals when performing patient care activities (e.g. provide patient care at examination table; patient vitals; monitoring patient; work site observation; medical assessment and treatment; assist with minor surgery; meeting with collaborating agency and/or colleague).

21.) **BALANCE:**

MAXIMUM FREQUENCY:	Frequent
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Comments: Good balance is required for safe walking, standing, reaching and lifting.

22.) **HAND/FOOT CONTROL:**

<u>MAXIMUM REQUIREMENT</u>	
HAND:	
Right:	Seldom
Left:	Seldom
Both:	Seldom
Either:	Occasional
FOOT:	
Right:	Seldom
Left:	Seldom
Both:	Not Required
Either:	Occasional

Comments: Hand controls are utilized to operate equipment (e.g. vehicle; scale, wheelchair, faucet, door knob, door key pad, IV pole knob) when adjusting and/or utilizing equipment (e.g. wheelchair controls; lever). Foot controls are utilized to operate equipment (e.g. hand washing lever; wastebasket, examination table, vehicle).

23.) **UPPER AND LOWER EXTREMITY COORDINATION:**

<u>MAXIMUM REQUIREMENT</u>	
Simple Grasp:	Frequent
Firm Grasp:	Occasional
Fine Manipulation:	Frequent
Eye/Hand Coordination:	Frequent
Hand/Foot Coordination:	Seldom

Comments: Grasping and coordination activities are performed when adjusting and/or preparing supplies and equipment (e.g. patient care; desktop work; medical documentation).

Simple grasping is utilized to perform job tasks (e.g. lift and manipulate objects weighing less than 5 pounds; patient transfer; utilize treatment and/or surgical equipment, office work; documentation, file).

Firm grasping is utilized to perform job tasks (e.g. lift and handle objects weighing 5 pounds or greater; transfer and ambulation assistance, pump blood pressure cuff, handle treatment and surgical equipment, office work).

Fine manipulation is utilized to perform job tasks (e.g. control knob, switch, button, handwrite, lever, keyboard, mouse, page turn; open/close medication container; administer medication; patient treatment).

Eye/hand coordination is utilized to perform job tasks (e.g. handwrite, keyboard, mouse, patient assessment and all treatment; assist with minor surgery; documentation, file, page turn, switch, button).

Hand/foot coordination is required to perform job tasks (e.g. drive vehicle).

Depending on individual hand dominance, one hand may be used more frequently than the other when performing job tasks.

24.) CERVICAL (NECK) MOVEMENT:

	<u>MAXIMUM REQUIREMENT</u>
Static Neutral Position:	Frequent
Flexing:	Frequent
Rotating:	Occasional
Extending:	Seldom

Comments: Neck movement is required when performing job tasks (e.g. medical treatment; assist with surgery, patient care, patient intervention; meeting; work site observation; desktop work; drive vehicle). *Participating in observation of work environment allowing for safe working conditions. Full cervical range of motion is required to safely perform the job tasks.*

{End of Report}



Stanislaus County

JOB TASK ANALYSIS SUMMARY

<u>FREQUENCY DEFINITIONS</u>	<u>SELDOM</u>	<u>OCCASIONAL</u>	<u>FREQUENT</u>	<u>CONSTANT</u>
Percent of the Day	1-2%	3-33%	34-66%	67-100%
Material Handling	1-4 Reps	5-32 Reps	33-250 Reps	251-2,000 Reps
Non Material Handling	1-4 Reps	5-32 Reps	33-250 Reps	251-2,000 Reps
Repetitive & Static Work	1-50 Reps	51-250 Reps	251-1,000 Reps	1,001-20,000 Reps

The following is a summary of the physical demands of the Job Task Analysis that were obtained for the position of:

PHYSICIAN ASSISTANT & SENIOR

Functional Activities	Maximum Requirements	Functional Activities	Maximum Requirements
<i>Push (Force)¹</i>	35 pounds	<i>Stair Climb</i>	Not Required
<i>Pull (Force)¹</i>	35 pounds	<i>Ladder Climb</i>	Not Required
<i>Stand Up Lift¹</i>	40 pounds	<i>Walk¹</i>	Frequent
<i>Level Lift¹</i>	40 pounds	<i>Sit¹</i>	Frequent
<i>Weight Carry¹</i>	40 pounds	<i>Stand (Static)¹</i>	Occasional
<i>Overhead Lift/Pull Down</i>	0 pounds	<i>Balance¹</i>	Frequent
<i>Overhead Reach¹</i>	Seldom	<i>Hand Control¹</i>	Seldom
<i>Forward Reach¹</i>	Frequent	<i>Foot Control¹</i>	Occasional
<i>Stoop¹</i>	Seldom	<i>Simple Grasp¹</i>	Frequent
<i>Squat (Unloaded)</i>	Seldom	<i>Firm Grasp¹</i>	Occasional
<i>Forward Bend¹</i>	Occasional	<i>Fine Manipulation¹</i>	Frequent
<i>Twist¹</i>	Occasional	<i>Eye/Hand Coordination¹</i>	Frequent
<i>Turn¹</i>	Occasional	<i>Hand/Foot Coordination¹</i>	Seldom
<i>Kneel¹</i>	Seldom	<i>Cervical (neck) Movement¹</i>	Frequent
<i>Crawl</i>	Not Required		

¹ The critical demands of the job.

Lyle Andersen, PT

Lyle Andersen, PT, CWCE
Preparer Signature

Date: _____

Contact Person
Title

Date: _____

Sue Herzog

Contact Person
Title

Date: *7-14-15*

Cheri Collett

Contact Person
Title

Date: *7-14-15*

HR Manager
LA/ga

Clinic Manager