

Strain Surveys "The Painful Truth"

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Does your District provide strain injury prevention or ergonomics intervention?

a.Yes b.No c.Unsure



The Reason We Do This.



Top Exposures Or Risks of Injury



- 1. Strains/Sprains
- 2. Slip & Falls
- 3. Cuts & Burns

Musculoskeletal Injury Stages

Symptoms only while working

Symptoms that last for a short while after work.

Symptom recovery by the following morning.

Symptom recovery with a few days off.

No symptom recovery.

Regional fatigue is a warning sign for musculoskeletal injury!





Early Identification is Key

Encourage employees to take responsibility for their health and work environment.

- Ask them to report discomfort before it gets so bad that medical attention is needed.
- Ask them to report potential injury causes before they occur.
- Have supervisors ask, "What's the most difficult things you do during the day?" or "Do you go home with fatigue in any muscle groups?"
- Do a hazard assessment or strain survey.





Food Service Strain Survey - Primary Location-_____

Instructions: Please assign a level of physical strain/fatigue for each duty on a scale from 0-10. Please offer any additional comments.

Name:	S	No Strain			Moderate				Ma	axin	num	n/a	Comments How often? Describe how.					
	0	0 1 2		3	3 4 5		6 7		8	9	10							
Job duties		_	_	_					_									
Lifting: boxes, containers, oven racks, pans, dishes, trays, etc.																		
Carrying: boxes, containers, pans, buckets, etc.																		
Pushing/Pulling: carts, boxes, etc.																		
Climbing Stepstools																		
Bending/Squatting: wipe lower prep tables, carts, ovens, warmers, equipment, etc.																		
Floor cleaning/sweeping																		
cutting																		
Scooping food																		
Cleaning/Sanitation of equipment																		
Cleaning/Sanitation of work areas					Г		Г			Г								
Lifting garbage bag(s)					Г		Г											
Taking garbage out to dumpster					Г		Г											
Use pallet jack or hand truck					Г		Г											
Load/unload van																		
Prepare food: main dish, vegetables, sauces, gravies, snacks																		
Keep production Records		Г			Г		Г											
Standing/walking																		
Unloading food deliveries																		
Obtaining items from shelves																		

Strain Survey Process

- Identify a department.
- Work with Director/Supervisors
- Modify survey as needed.
- Deploy Surveys.
- Results are tabulated to rank the tasks based on strain exposure.
- Customize safety training.
- Follow-up.



Results

	A	В	С	D	E	F	G	Н	1	J	K	L	М	N	0	P	Q	R	S	Т	U	V	W	X	Y	Z	AA
2	RAS																										
3	RISK ADMINISTRATION SERVICES, INC.	Foo	d Service	Strain	Survev																						
4		Unified School District of De Pere October 2022																									
·																											
	Instructions: Please enter the scores for each	ch respo	nse. The total	l, number of	responses, an	d average v	vill automa	tically calcul	ate. After																		
5	all responses are entered, highlight all the dat																										
6						_																					
7	Job tasks		Number of Responses	Avorago	Range	Staff 1	Staff 2	Staff 3	Staff 4	Staff E	Staff 6	Staff 7	Staff 9	Staff 0	Staff 10	Stoff 11	Staff 12	Staff 12	Staff 14	Staff 1E	Stoff 16	Stoff 17	Ctoff 10	Staff 10	Score 20	Score 21	Score 22
/	JOD (asks	TOLAI	Responses	Average	Kange	Stall 1	Stall Z	Stall 3	Stall 4	Stall 5	Stall 0	Stall /	Stall 8	Stall 9	Stall 10	Stall 11	Stall 12	Stall 13	Stall 14	Stall 15	Stall 10	Stall 1/	Stall 18	Stall 19	Score 20	Score 21	Score 22
8	Unloading food deliveries	147	29	5.068966		8	9	10	10	9	10	7	2	3	4	5	8	2	3	na	9	3	6	1	7	6	na
	Lifting: boxes, containers, oven racks, pans,																										
	dishes, trays, etc.	153				6	10	10	10	6	10		5	5	9	6	8	5	1	0	9	6	_	1	5	5	3
	Carrying: boxes, containers, pans, buckets, etc.					6	10	8	10	6	10		4	5	8	5	5	5	1	0	9	5	4	1	3	3	1
11	Load/unload van	71	18	3.944444		4	9	4	10	6	9	na	na	na	4	na	na	na	2	na	4	na	na	1	7	4	na
						_					_			_		_	_	_		_			_	_		_	
	Lifting garbage bag(s)	113		3.645161		8	8	/	10	/	/	/	5	3	1	6	5	5	0	0	4	na	4	0	-	3	1
	Pushing/Pulling: carts, boxes, etc. Obtaining items from shelves	100 97		3.125 3.03125		3	8	10	10 10	4	10	3	2	3	8	5	5	3	2	0	8	2	- 0	0	_		- 0
	Bending/Squatting: wipe lower prep tables,	83		2.766667		2	7	6	8	- 0	3	2	5	- 4	1	6	2	2	0	_	0	1	1	1	_	/	1
	Taking garbage out to dumpster	66				3	na	na	10	8	0	7	5	1	1	7	na	na			na	3	1	0		2	1
	Scooping food	58				2	3	8	8	4	0	-		1	4	3	110	2	0		2	0	_	-			0
	Cleaning/Sanitation of equipment	63				1	3	6	8	5	3	0	5	5	4	4	3	2	0		5	_	_		_	2	1
	Floor cleaning/sweeping	62				0	5	6	7	4	4	1	3	3	5	6	3	_	0	_	6	1	0	0	_	2	0
	Prepare food: main dish, vegetables, sauces,	50		1.923077		na	8	10	10	na	0	3	na	4	1	. 0	na	2	0	na	8	0	0	0		2	0
	Use pallet jack or hand truck	14	8	1.75		7	na	na	na	na	na	na	na	na	1	na	na	na	na	na	5	na	na	1	na	na	na
	Cleaning/Sanitation of work areas	50	31	1.612903		0	3	4	8	5	3	0	1	3	4	4	3	2		0	5	0	0	0	1	0	0
	Standing/walking	45	31	1.451613		0	8	8	5	4	3	0	2	0		0	3	2	0	0	7	1	0	0	1	0	0
	Climbing Stepstools	37	28	1.321429		3	7	na	7	na	3	0	1	1	2	0	na	na	0	0	3	2	3	0	1	2	0
	cutting	37	31	1.193548		2	3	2	7	4	4	0	1	1	1	. 0	3	2		0	3	0	0	1	1	0	0
26	Keep production Records	29	29	1		0	7	3	3	4	na	0	1	na	1	. 0	1	2	0	na	7	0	0	0	0	0	0

Stretch for Wellness

"ERGO BREAK"

Note: If you have had any recent health problems, injury, or surgery, or if any of these actions cause you any pain, consult a health professional before starting this program.

Finger and Wrist Flexor Stretch



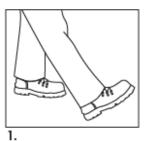






- Straighten your elbow with palm up.
- 2. Point your fingers toward floor.
- 3. Use your other hand to gently pull down on your palm and fingers.
- 4. Hold for 10 15 seconds. You should feel a mild pulling sensation. If you experience discomfort, then perform the stretch more gently or go back to the previous step.

Hamstring Stretch





- 1. Place your heel on ground in front of you with knee straight. You may wish to stand next to something for balance.
- 2. Keep your back straight, look up at the ceiling, and bend forward at your hips.
- 3. Hold for 10 15 seconds. You should feel a mild pulling sensation. If you experience discomfort, then perform the stretch more gently or with your foot on the floor.

The Back School

1 (800) 783-7536 (404) 355-7756 www.thebackschool.net

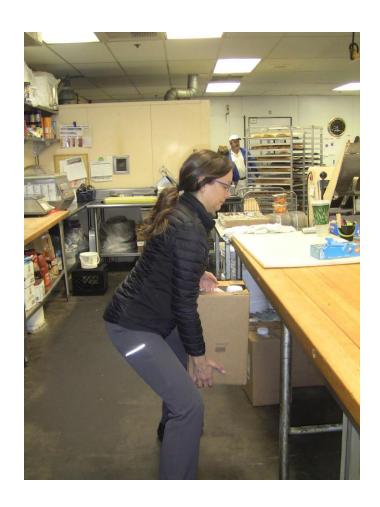


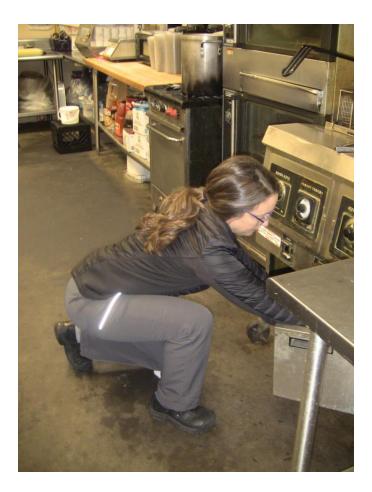
Nutrition Services

- Unloading Food Deliveries
- Lifting: boxes, containers, pans, dishes, trays, etc.
- Carrying: boxes, containers, pans, trays, etc.
- Lifting Garbage Bags
- Pushing/Pulling: carts, boxes, etc.
- Obtaining items from shelves
- Bending/Squatting



Tips for Best Posture







Avoid the "C" Shaped Spine

 Weak and Stressful position for the spine.



Keep Weight Close







Reaching increases stress on the back and shoulders

Avoid pushing and pulling with outstretched arms



Work Smarter











Equipment

Convertible Hand Truck





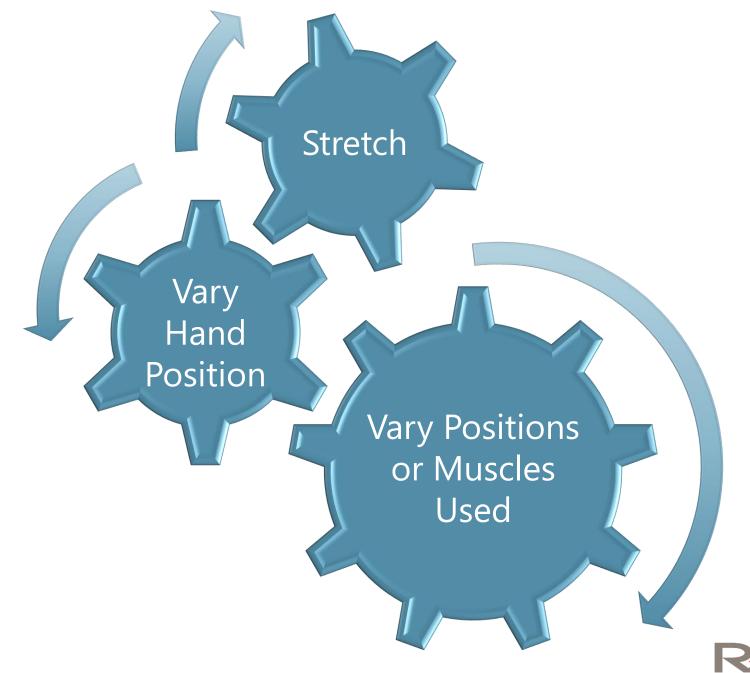
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https://www.uline.c om/Product/AdvSe archResult?keywor ds=food%20servic e%20cart

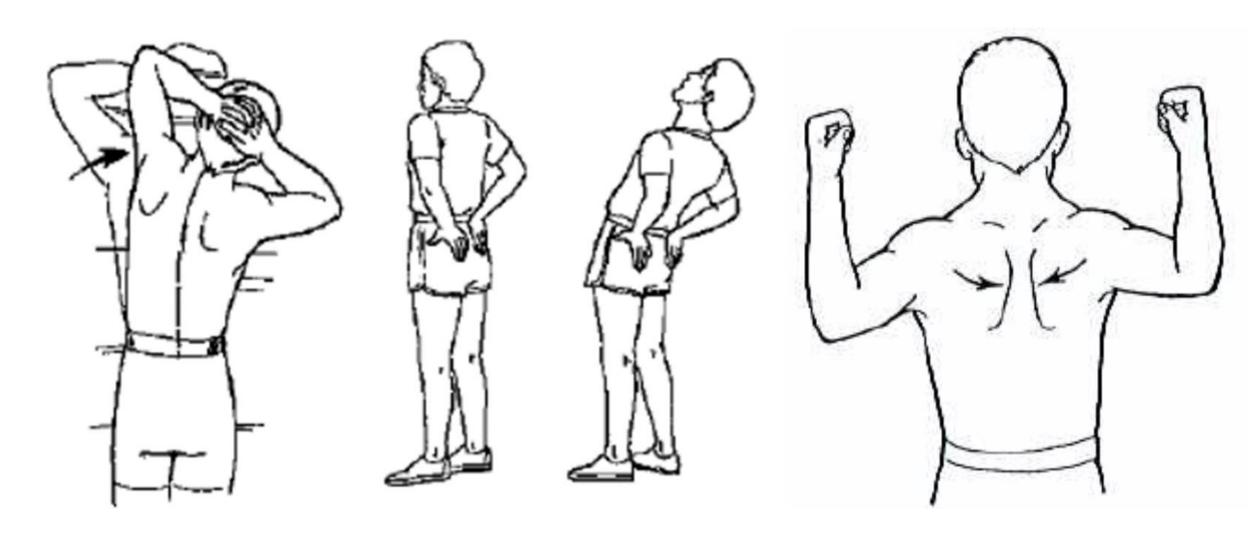
https://www.littlegi antladders.com/col lections/stepstools



Fight
Fatigue
and
Repetition



Remember to Stretch for Wellness



The Saunders Group Inc.

Follow Up

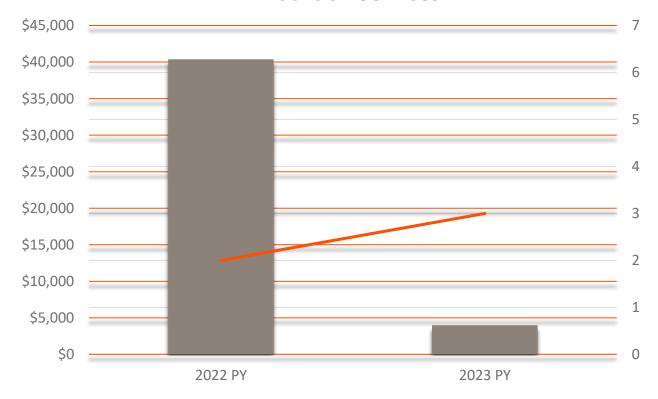
- 6-9 Month re-survey
- Safety Committee
- Annual Training (Utilize surveys to customize training)



What came out of it?

- Awareness
- Increase in Morale
- Improvement in Processes/Equipment
- Employee Buy-in

Unified School District of De Pere Nutrition Services





The WHY ... Prevention = Cost Savings!

INJURY #1 - Nutrition Services Employee – cumulative trauma injury to the right wrist, elbow, shoulder due to packing boxes of fruits, vegetables to other buildings.

Claim closed with GTI of \$285K

Injury #2 - Nutrition Services Employee - cumulative trauma injury to bilateral arms due to packing items, serving items, and lifting/handling items repetitively.

Claim Closed with GTI of \$22K.

*Examples are not from the Unified School District of De Pere



Take-Aways for Employees

- Use the best posture possible (ears over shoulder/hips/knees)
- No "C" Spine
- Use power squat, ½ kneel, golfer's bend, "nose & toes" face the same direction (no twisting)
- The *Next* posture is the *Best* posture (movement and task rotation)
- Provide and use equipment
- Stretch
- Stay in good physical and emotional health



Take-Aways for Supervisors

Strain Prevention

- Do you know how & where strains are occurring?
- Do you have a strain reduction program?
- Do your policies support strain reduction?
- Are you enforcing Policies and procedures?
- Train on Best Practices at the time of hire
- Talk about Best Practices during departmental meetings.
- Accident Investigation and Re-Creation to determine root cause
- Encourage equipment use
- Contact your insurance agency or workers' compensation carrier for ergonomics assistance for employee safety and health





Questions