

Manual Whole-Body Assessment Data Collection

Introduction

- Introduce yourself and your teammates
- Describe the reason you are visiting the workstation
- Describe the activities you will be performing
- Ask permission to take photos and videos

Collect job and operator information.

Job Information

Job Name

Location

Process/Equipment

Reference Number

Shift Number of Operators Exposed

Product

Station

Description

Tasks

1

2

3

4

5

6

Forces

Description	Force	Units (circle)
<input type="text"/>	<input type="text"/>	lb kg
<input type="text"/>	<input type="text"/>	lb kg
<input type="text"/>	<input type="text"/>	lb kg
<input type="text"/>	<input type="text"/>	lb kg

Measurements

Description	Measure	Units (circle)
<input type="text"/>	<input type="text"/>	in ft cm m
<input type="text"/>	<input type="text"/>	in ft cm m
<input type="text"/>	<input type="text"/>	in ft cm m
<input type="text"/>	<input type="text"/>	in ft cm m

Operator Survey

	Operator 1	Operator 2
Time on job:	<input type="text"/> Year(s) <input type="text"/> Month(s)	<input type="text"/> Year(s) <input type="text"/> Month(s)
What is the most difficult part of the job?	<input type="text"/>	<input type="text"/>
What improvements would you like to see for the job?	<input type="text"/>	<input type="text"/>

Operator Discomfort Survey

Body Part	Operator 1							Operator 2						
	Severity (Circle)				Frequency (Circle)			Severity (Circle)				Frequency (Circle)		
Left Hand/Wrist	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always
Right Hand/Wrist	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always
Left Elbow	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always
Right Elbow	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always
Left Shoulder	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always
Right Shoulder	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always
Neck	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always
Back	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always
Legs	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always	Mild	Moderate	Severe	Unbearable	Seldom	Often	Always

Ergonomics Hit List®



☐ Bent Wrist

Previously Wash Rag



☐ Overhead Reach

Previously Shoulder Too High



☐ Horizontal Reach

Previously Horizontal Distance



☐ Awkward Neck

Previously Hungry Head



☐ Bent Back

Previously Butts Up



☐ Twisted Back

Previously Twist and Shout



☐ Squat/Kneel

New



☐ Static Sit/Stand

Previously Sit vs. Stand



☐ Heavy Lift

New




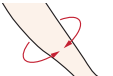





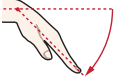
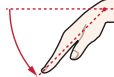





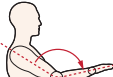





















☐ Excessive Force

New

Whole-Body Assessment

Circle Posture and Force risk factors when they are observed.

	Hands and Wrists		Elbows		Shoulders		Neck	Back	Legs
	Left	Right	Left	Right	Left	Right			
Posture	 Extended ≥ 45°	 Extended ≥ 45°	 Rotated Forearm ≥ 90°	 Rotated Forearm ≥ 90°	 Arm Raised ≥ 45°	 Arm Raised ≥ 45°	 Flexed ≥ 30°	 Flexed ≥ 20°	 Squat ≤ 45°
	 Flexed ≥ 45°	 Flexed ≥ 45°					 Extended ≥ 30°	 Extended ≥ 10°	
	 Radial Deviation ≥ 20°	 Radial Deviation ≥ 20°	 Fully Extended ≥ 135°	 Fully Extended ≥ 135°	 Arm Behind Body ≥ 20°	 Arm Behind Body ≥ 20°	 Sideways ≥ 30°	 Sideways ≥ 15°	 Kneel
	 Ulnar Deviation ≥ 20°	 Ulnar Deviation ≥ 20°						 Twisted ≥ 45°	
					 Shoulders Shrugged	 Shoulders Shrugged	 Twisted ≥ 20°	 Back Unsupported	 Feet Unsupported
Force	 ≥ 2 lb ≥ 0.9 kg	 ≥ 2 lb ≥ 0.9 kg	≥ 10 lb ≥ 4.5 kg	≥ 10 lb ≥ 4.5 kg	≥ 10 lb ≥ 4.5 kg	≥ 10 lb ≥ 4.5 kg	PPE ≥ 2 lb ≥ 0.9 kg	≥ 25 lb ≥ 11.3 kg	Foot Pedal ≥ 10 lb ≥ 4.5 kg
	 ≥ 2 lb ≥ 0.9 kg	 ≥ 2 lb ≥ 0.9 kg							
	 ≥ 10 lb ≥ 4.5 kg	 ≥ 10 lb ≥ 4.5 kg	Both Elbows ≥ 15 lb ≥ 6.8 kg		Both Shoulders ≥ 15 lb ≥ 6.8 kg				

For body areas with Postures or Forces circled above, circle Duration and/or Frequency limits when they are exceeded.

Duration	≥ 10 sec	≥ 10 sec	≥ 10 sec	≥ 10 sec	≥ 10 sec	≥ 10 sec	≥ 10 sec	≥ 10 sec	≥ 30% of day
Frequency	≥ 30/min	≥ 30/min	≥ 2/min	≥ 2/min	≥ 2/min	≥ 2/min	≥ 2/min	≥ 2/min	≥ 2/min

Add up the risk factor categories (Posture, Force, Duration, Frequency) that have at least one item circled. The Posture, Force, Duration, and Frequency categories are each worth 1 point, so scores for each body area should range from 0 – 4.

Score
(0-4)

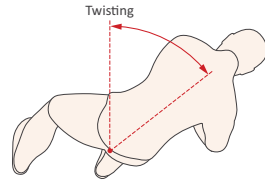
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Circle Physical Stressors when they are observed.

Physical Stressors					
Vibration	Low Temperatures	Soft Tissue Compression	Impact Stress	Glove Issues	

[illegible]

<p>Horizontal: measure from the ankle to knuckle on middle finger</p>	<p>Vertical: from standing surface to knuckle on middle finger</p>	<p>Twisting: degrees traveled from neutral (0 degrees) in either direction</p>
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Push/Pull Task	Initial Force (lb or kg)	Sustained Force (lb or kg)	Hand Height (circle)			Distance (circle)							Task Frequency
			Chest 53" (135 cm)	Forearm 35" (89 cm)	Thigh 22" (57 cm)	Feet:	7	25	50	100	150	200	Every ____ seconds, or Every ____ minute(s)
			Chest 53" (135 cm)	Forearm 35" (89 cm)	Thigh 22" (57 cm)	Feet:	7	25	50	100	150	200	Every ____ seconds, or Every ____ minute(s)
			Chest 53" (135 cm)	Forearm 35" (89 cm)	Thigh 22" (57 cm)	Feet:	7	25	50	100	150	200	Every ____ seconds, or Every ____ minute(s)

Carry Task	Weight (lb or kg)	Hand Height (circle)	Distance (circle)	Task Frequency
		Elbow 41" (105 cm)	Hand 28" (72 cm) Feet: 7 14 28 (Meters: 2.1 4.3 8.5)	Every ____ seconds, or Every ____ minute(s)
		Elbow 41" (105 cm)	Hand 28" (72 cm) Feet: 7 14 28 (Meters: 2.1 4.3 8.5)	Every ____ seconds, or Every ____ minute(s)
		Elbow 41" (105 cm)	Hand 28" (72 cm) Feet: 7 14 28 (Meters: 2.1 4.3 8.5)	Every ____ seconds, or Every ____ minute(s)

Workstation Layout

Direct Causes

Add Category Here

Direct Cause Category

PD

Product Design

PF

Process Flow/Design

ET

Equipment/Tool Design

WL

Workstation Layout

DP

Dunnage/Packaging

O

Other

1.

2.

3.

4.

5.

Improvements

Brainstorm ideas to improve the operation.

Improvement Title

Improvement Description

Targeted Date

Responsible Person

Vendor

Estimated Cost

Priority

High Impact

C

A

D

B

Difficult

Easy

Low Impact

Direct Causes Addressed

1

2

3

4

5

Improvement Title

Improvement Description

Targeted Date

Responsible Person

Vendor

Estimated Cost

Priority

High Impact

C

A

D

B

Difficult

Easy

Low Impact

Direct Causes Addressed

1

2

3

4

5

Improvement Title

Improvement Description

Targeted Date

Responsible Person

Vendor

Estimated Cost

Priority

High Impact

C

A

D

B

Difficult

Easy

Low Impact

Direct Causes Addressed

1

2

3

4

5

Improvement Title

Improvement Description

Targeted Date

Responsible Person

Vendor

Estimated Cost

Priority

High Impact

C

A

D

B

Difficult

Easy

Low Impact

Direct Causes Addressed

1

2

3

4

5

Improvement Title

Improvement Description

Targeted Date

Responsible Person

Vendor

Estimated Cost

Priority

High Impact

C

A

D

B

Difficult

Easy

Low Impact

Direct Causes Addressed

1

2

3

4

5