

**Attachment L-2:  
MSD Intervention Study Design**

2yrs pre- data (WC only)	Oct. 2011							Oct. 2012							Oct. 2013							Oct. 2014
	0 Base -line A	3	6	9	12	15	18	21	24	27	30	33	36									
<b>Group A (R) 36 est. 384 emp.</b>	OI-1 OE 1-8	X OE- 9	OI- 2 OE -10	OI- 3 OE -11	OI- 4 OE -12	OI- 5 OE- 13	X OE -14	OI- 6 OE -15	OI- 7 OE -16	OI- 8 OE -17	OI-9 OE- 18	OI- 10 OE -19	OI- 11 OE -20	OI- 12 OE -21	OI- 13 OE- 21							
<b>Group B (R) 36 est. 384 emp.</b>	OI-1 OE 1-8	OE- 9	OI- 2 OE -10	OI- 3 OE -11	OI- 4 OE -12	OI- 5 OE- 13	X OE -14	OI- 6 OE -15	OI- 7 OE -16	OI- 8 OE -17	OI-9 OE- 18	OI- 10 OE -19	OI- 11 OE -20	OI- 12 OE -21	OI- 13 OE- 21							

**Notes:** “O” denotes data collection, and “X” denotes intervention, PHT-TLG. OI = MSD Symptoms, Exertion (Individual employee level). OE= WC data, Quality, Productivity (Establishment level).

- The self-reported general work environment and health survey (**Attachment H-4**) will be collected at the start of the study and once every year for 2 years.
- The self-reported low back pain (**Attachment H-1**), self-reported shoulder/ arm pain (**Attachment H-2**), and self-reported specific job tasks and safety incidents (**Attachment H-3**) surveys will be collected at the start of the study and every 3 months for 2 years.
- Low Back Functional Assessment (**Attachment I**) will be completed by 20% of participating employees at the start of the study and once every year for 2 years.

Target # of Establishments to recruit from each size category	Establishment Size Category for Total Employees	Mean Total Employees per Site	Mean Impacted Employees per Site	Average # PHT-TLG per site	Total #PHT- TLGs	Total Impacted Employees
24	<20	10	2	1	24	48
24	20-99	50	10	3	72	240
24	100+	100*	20	5	120	480
				Totals	216	768+

\*Most companies will be near the lower end of the strata  
+ 960 subjects are expected with replacements

