

## Ergonomics r2p Survey - COMBIN...

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Cross Tabulation

103 Responses

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		Qualtrics Panel or Other Survey?		Total
		Qualtrics Panel	Other Survey	
Which one of the following best describes your business? (select one)	General Contractor	37 64.91%	19 41.30%	56 54.37%
	Specialty Trade Contractor	19 33.33%	23 50.00%	42 40.78%
	Other (please specify)	1 1.75%	4 8.70%	5 4.85%
	My company is not a construction contractor	0 0.00%	0 0.00%	0 0.00%
Total		57 100.00%	46 100.00%	103 100.00%
If you selected "Specialty Trade Contractor," please select the one that best describes your work...	Poured Concrete Foundation and Structure Contractor	1 5.26%	0 0.00%	1 2.38%
	Structural Steel and Precast Concrete Contractor	0 0.00%	0 0.00%	0 0.00%
	Masonry Contractor	0 0.00%	0 0.00%	0 0.00%
	Glass and Glazing Contractor	0 0.00%	0 0.00%	0 0.00%
	Roofing Contractor	2 10.53%	0 0.00%	2 4.76%
	Siding Contractor	0 0.00%	2 8.70%	2 4.76%
	Painting and Wall Covering Contractor	3 15.79%	0 0.00%	3 7.14%
	Plumbing and Heating Contractor	1 5.26%	5 21.74%	6 14.29%
	Electrical Contractor	3 15.79%	2 8.70%	5 11.90%
	Flooring Contractor	1 5.26%	0 0.00%	1 2.38%
	Tile and Terrazzo Contractor	0 0.00%	0 0.00%	0 0.00%
	Carpentry Contractor	5 26.32%	1 4.35%	6 14.29%
	Drywall/Insulation Contractor	1 5.26%	2 8.70%	3 7.14%
	Other (please specify)	1 5.26%	6 26.09%	7 16.67%
	Sheet Metal and Air Conditioning Contractor	1 5.26%	5 21.74%	6 14.29%
Total		19 100.00%	23 100.00%	42 100.00%
How many construction workers does your company typically employ?	Less than 5	11 19.30%	1 2.17%	12 11.65%
	6-10	11 19.30%	2 4.35%	13 12.62%
	11-25	12 21.05%	5 10.87%	17 16.50%
	26-50	11 19.30%	6 13.04%	17 16.50%
	More than 50	12 21.05%	32 69.57%	44 42.72%
Total		57 100.00%	46 100.00%	103 100.00%
LIFTING LIMITS Does your company have a weight limit for lifting or carrying heavy materials?	Yes	22 38.60%	19 41.30%	41 39.81%
	No	35 61.40%	27 58.70%	62 60.19%
Total		57 100.00%	46 100.00%	103 100.00%
What is that limit?	35 lb	0 0.00%	2 10.53%	2 4.88%
	50 lb	8 36.36%	11 57.89%	19 46.34%
	75 lb	4 18.18%	4 21.05%	8 19.51%
	100 lb	10 45.45%	1 5.26%	11 26.83%
	Other (please specify)	0 0.00%	1 5.26%	1 2.44%
Total		22 100.00%	19 100.00%	41 100.00%
Heavier materials are labeled with warnings		13 59.09%	3 15.79%	16 39.02%

How is this limit enforced? (select all that apply)	Safety officer or health and safety committee members enforce the limits	9 40.91%	9 47.37%	18 43.90%
	Foreman or site supervisor enforce the limits	12 54.55%	12 63.16%	24 58.54%
	Collective bargaining agreement includes the requirement	7 31.82%	2 10.53%	9 21.95%
	Reinforced at daily huddles/Job Safety Analyses	8 36.36%	12 63.16%	20 48.78%
	Other (please specify)	0 0.00%	1 5.26%	1 2.44%
	Total	22 100.00%	19 100.00%	41 100.00%
Why did your company set weight limits for lifting? (select all that apply)	Workers' Compensation Insurance premium modifications	11 50.00%	5 26.32%	16 39.02%
	Collective bargaining agreement requirement	6 27.27%	2 10.53%	8 19.51%
	Owner/general contractor requirement	11 50.00%	2 10.53%	13 31.71%
	Scientific evidence of the value of setting weight limits	10 45.45%	4 21.05%	14 34.15%
	Other (please specify)	0 0.00%	8 42.11%	8 19.51%
	Total	22 100.00%	19 100.00%	41 100.00%
If your company does not have a limit, why not? (select all that apply)	Too difficult to enforce	11 31.43%	10 37.04%	21 33.87%
	Too many materials would be subject to the limit	7 20.00%	4 14.81%	11 17.74%
	Not sure what limit to set	5 14.29%	20 74.07%	25 40.32%
	Not sure it would be effective in preventing injuries	6 17.14%	10 37.04%	16 25.81%
	Would require more investment in material handling equipment	3 8.57%	1 3.70%	4 6.45%
	Material handling equipment cannot always be available on the jobsite	4 11.43%	7 25.93%	11 17.74%
	Material handling equipment is not commercially available for the types of materials and equipment handled by employees	4 11.43%	2 7.41%	6 9.68%
	Material handling equipment is too expensive	2 5.71%	0 0.00%	2 3.23%
	Would require more materials to be handled by two person teams and more labor	7 20.00%	2 7.41%	9 14.52%
	Other (please specify)	6 17.14%	6 22.22%	12 19.35%
	Total	35 100.00%	27 100.00%	62 100.00%
What would cause your company to set weight limits for lifting? (select all that apply)	Workers' Compensation Insurance premium modifications	22 62.86%	10 37.04%	32 51.61%
	Collective bargaining agreement requirement	7 20.00%	13 48.15%	20 32.26%
	Owner/general contractor requirement	10 28.57%	15 55.56%	25 40.32%
	Scientific evidence of the value of setting weight limits	9 25.71%	11 40.74%	20 32.26%
	Regulatory requirement	16 45.71%	15 55.56%	31 50.00%
	Other (please specify)	3 8.57%	6 22.22%	9 14.52%
	Total	35 100.00%	27 100.00%	62 100.00%
STORAGE OF MATERIALS ON SITE Are materials to be handled manually typically stored off the grou...	Yes	38 66.67%	18 39.13%	56 54.37%
	No	19 33.33%	28 60.87%	47 45.63%
	Total	57 100.00%	46 100.00%	103 100.00%
Why does your company store materials off the ground, between knee and waist height? (select all...	Workers' Compensation Insurance premium modifications	10 26.32%	3 16.67%	13 23.21%
	Collective bargaining agreement requirement	5 13.16%	0 0.00%	5 8.93%
	Owner/general contractor requirement	18 47.37%	1 5.56%	19 33.93%
	Scientific evidence of the value of storing materials off the ground	15 39.47%	5 27.78%	20 35.71%
	To protect the materials	23 60.53%	11 61.11%	34 60.71%
	Other (please specify)	4 10.53%	3 16.67%	7 12.50%
	Total	38 100.00%	18 100.00%	56 100.00%
Why doesn't your company store materials off the ground, between knee and waist height? (select a...	No equipment or simple structures to support materials off the ground	4 21.05%	14 50.00%	18 38.30%
	The supplier who delivers the materials determines how they are stored	6 31.58%	5 17.86%	11 23.40%
	Storage off the ground level may create a safety hazard	5 26.32%	9 32.14%	14 29.79%
	Not enough space to accommodate off ground storage	7 36.84%	13 46.43%	20 42.55%
	No good evidence that storage off the ground will help prevent injuries	2 10.53%	1 3.57%	3 6.38%
		3	8	11

	Work processes will only allow for storage on the ground	15.79%	28.57%	23.40%
	Other (please specify)	4 21.05%	10 35.71%	14 29.79%
	Total	19 100.00%	28 100.00%	47 100.00%
What would cause your company to store materials off the ground, between knee and waist height? (...)	Workers' Compensation Insurance premium modifications	7 36.84%	7 25.00%	14 29.79%
	Collective bargaining agreement requirement	4 21.05%	7 25.00%	11 23.40%
	Owner/general contractor requirement	9 47.37%	15 53.57%	24 51.06%
	Scientific evidence of the value of storing materials off the ground	3 15.79%	8 28.57%	11 23.40%
	Regulatory requirement	13 68.42%	12 42.86%	25 53.19%
	To protect the materials	8 42.11%	14 50.00%	22 46.81%
	Greater availability of equipment or simple structures to support materials off the ground	2 10.53%	14 50.00%	16 34.04%
	Other (please specify)	2 10.53%	5 17.86%	7 14.89%
	Total	19 100.00%	28 100.00%	47 100.00%
PLANNING Are strategies to minimize manual materials handling incorporated into site planning? ...	Yes, before the project starts	17 29.82%	9 19.57%	26 25.24%
	Yes, when the project is underway	14 24.56%	4 8.70%	18 17.48%
	Yes, both before the project starts and when it is underway	19 33.33%	26 56.52%	45 43.69%
	No, materials handling strategies are not incorporated into site planning	7 12.28%	7 15.22%	14 13.59%
	Total	57 100.00%	46 100.00%	103 100.00%
How are strategies to minimize manual materials handling incorporated into the planning of work?...	Coordination with suppliers on where and how materials will be placed on site	17 34.00%	19 52.78%	36 41.86%
	Materials delivery and storage is located as close as possible to where it will be used	31 62.00%	29 80.56%	60 69.77%
	Material handling equipment is included in the bid and work plan	18 36.00%	25 69.44%	43 50.00%
	Clear, level pathways are planned for the transport of materials to where they are used	21 42.00%	21 58.33%	42 48.84%
	Storage of materials between knee and waist height is included in the plan	21 42.00%	4 11.11%	25 29.07%
	Training is required for how to use the material handling equipment properly	23 46.00%	22 61.11%	45 52.33%
	Heavy materials are clearly labeled with weights	21 42.00%	6 16.67%	27 31.40%
	Heavy materials are clearly labeled with warnings to not move by hand or by yourself	23 46.00%	3 8.33%	26 30.23%
	Materials handling training is provided for workers and supervisors to reinforce the goal of minimizing manual handling	17 34.00%	23 63.89%	40 46.51%
	Materials handling is reviewed frequently at safety and production meetings	17 34.00%	22 61.11%	39 45.35%
	Other (please specify)	1 2.00%	1 2.78%	2 2.33%
	Total	50 100.00%	36 100.00%	86 100.00%
Why doesn't your company incorporate strategies to minimize manual materials handling into the p...	Contractors have little control over where suppliers drop materials	1 14.29%	1 16.67%	2 15.38%
	It is difficult to coordinate and direct deliveries, particularly with a large number of subcontractors	3 42.86%	2 33.33%	5 38.46%
	Keeping pathways clear is difficult in construction	2 28.57%	0 0.00%	2 15.38%
	Material handling equipment is too expensive	1 14.29%	0 0.00%	1 7.69%
	Factoring in materials handling costs would put us at a competitive disadvantage in the bidding process	1 14.29%	0 0.00%	1 7.69%
	Not sure if the benefits are worth the effort	2 28.57%	1 16.67%	3 23.08%
	Do not have experience planning to reduce manual materials handling	2 28.57%	3 50.00%	5 38.46%
	Other (please specify)	0 0.00%	1 16.67%	1 7.69%
	Total	7 100.00%	6 100.00%	13 100.00%
What would cause your company to include strategies to minimize manual materials handling in the...	Workers' Compensation Insurance premium modifications	2 28.57%	4 66.67%	6 46.15%
	Collective bargaining agreement requirement	1 14.29%	2 33.33%	3 23.08%
	Owner/general contractor requirement	2 28.57%	3 50.00%	5 38.46%
	Scientific evidence of the value	0 0.00%	2 33.33%	2 15.38%
	Regulatory requirement	4 57.14%	2 33.33%	6 46.15%
	To protect the materials	2 28.57%	5 83.33%	7 53.85%
	Bidding requirement	1 14.29%	1 16.67%	2 15.38%
		3	5	8

	Evidence that doing so will have a positive financial impact	42.86%	83.33%	61.54%
	Other (please specify)	0 0.00%	0 0.00%	0 0.00%
	Total	7 100.00%	6 100.00%	13 100.00%
DEMOGRAPHICS What type of construction work does your company perform? (select all that apply)	New commercial	25 43.86%	27 67.50%	52 53.61%
	New residential	40 70.18%	7 17.50%	47 48.45%
	Industrial	11 19.30%	25 62.50%	36 37.11%
	Commercial renovation/retrofit/repair	26 45.61%	26 65.00%	52 53.61%
	Residential renovation/retrofit/repair	37 64.91%	6 15.00%	43 44.33%
	Heavy and highway	3 5.26%	10 25.00%	13 13.40%
	Other (please specify)	1 1.75%	3 7.50%	4 4.12%
	Total	57 100.00%	40 100.00%	97 100.00%
How long has your company been in business?	Less than 1 year	0 0.00%	0 0.00%	0 0.00%
	1 to less than 2 years	1 1.75%	0 0.00%	1 1.03%
	2 to less than 5 years	5 8.77%	0 0.00%	5 5.15%
	5 to less than 10 years	14 24.56%	1 2.50%	15 15.46%
	10 years or longer	37 64.91%	39 97.50%	76 78.35%
	Total	57 100.00%	40 100.00%	97 100.00%
Do you primarily employ union labor?	Yes	15 26.79%	32 80.00%	47 48.96%
	No	40 71.43%	7 17.50%	47 48.96%
	Not Sure	1 1.79%	1 2.50%	2 2.08%
	Total	56 100.00%	40 100.00%	96 100.00%
If you would be willing to be contacted to share more details about your experiences with us, please...	Yes	34 59.65%	16 40.00%	50 51.55%
	No	23 40.35%	24 60.00%	47 48.45%
	Total	57 100.00%	40 100.00%	97 100.00%

		Qualtrics Panel or Other Survey?
Which one of the following best describes your business? (select one)	Chi Square	6.87*
	Degrees of Freedom	3
	p-value	0.08

\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.

		Qualtrics Panel or Other Survey?
If you selected "Specialty Trade Contractor," please select the one that best describes your work...	Chi Square	20.91*
	Degrees of Freedom	14
	p-value	0.10

\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.

		Qualtrics Panel or Other Survey?
How many construction workers does your company typically employ?	Chi Square	27.14
	Degrees of Freedom	4
	p-value	0.00

		Qualtrics Panel or Other Survey?
LIFTING LIMITS Does your company have a weight limit for lifting or carrying heavy materials?	Chi Square	0.08
	Degrees of Freedom	1
	p-value	0.78

Qualtrics Panel or Other Survey?
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What is that limit?	Chi Square	10.67*
	Degrees of Freedom	4
	p-value	0.03

\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.

		Qualtrics Panel or Other Survey?
How is this limit enforced? (select all that apply)	Chi Square	9.89*
	Degrees of Freedom	5
	p-value	0.08

\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.

		Qualtrics Panel or Other Survey?
Why did your company set weight limits for lifting? (select all that apply)	Chi Square	18.98*
	Degrees of Freedom	4
	p-value	0.00

\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.

		Qualtrics Panel or Other Survey?
If your company does not have a limit, why not? (select all that apply)	Chi Square	22.25*
	Degrees of Freedom	9
	p-value	0.01

\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.

		Qualtrics Panel or Other Survey?
What would cause your company to set weight limits for lifting? (select all that apply)	Chi Square	11.78*
	Degrees of Freedom	5
	p-value	0.04

\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.

		Qualtrics Panel or Other Survey?
STORAGE OF MATERIALS ON SITE Are materials to be handled manually typically stored off the grou...	Chi Square	7.78
	Degrees of Freedom	1
	p-value	0.01

		Qualtrics Panel or Other Survey?
Why does your company store materials off the ground, between knee and waist height? (select all...	Chi Square	9.99*
	Degrees of Freedom	5
	p-value	0.08

\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.

		Qualtrics Panel or Other Survey?
Why doesn't your company store materials off the ground, between knee and waist height? (select a...	Chi Square	6.23*
	Degrees of Freedom	6
	p-value	0.40

\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.

		Qualtrics Panel or Other Survey?
What would cause your company to store materials off the ground, between knee and waist height? (...)	Chi Square	8.61*
	Degrees of Freedom	7
	p-value	0.28

\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.

		Qualtrics Panel or Other Survey?
PLANNING Are strategies to minimize manual materials handling incorporated into site	Chi Square	8.02
	Degrees of Freedom	3

planning? ...	p-value	0.05
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		Qualtrics Panel or Other Survey?
How are strategies to minimize manual materials handling incorporated into the planning of work?...	Chi Square	37.97*
	Degrees of Freedom	10
	p-value	0.00

*\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.*

		Qualtrics Panel or Other Survey?
Why doesn't your company incorporate strategies to minimize manual materials handling into the p...	Chi Square	5.27*
	Degrees of Freedom	7
	p-value	0.63

*\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.*

		Qualtrics Panel or Other Survey?
What would cause your company to include strategies to minimize manual materials handling in the...	Chi Square	7.31*
	Degrees of Freedom	8
	p-value	0.50

*\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.*

		Qualtrics Panel or Other Survey?
DEMOGRAPHICS What type of construction work does your company perform? (select all that apply)	Chi Square	51.30*
	Degrees of Freedom	6
	p-value	0.00

*\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.*

		Qualtrics Panel or Other Survey?
How long has your company been in business?	Chi Square	14.79*
	Degrees of Freedom	4
	p-value	0.01

*\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.*

		Qualtrics Panel or Other Survey?
Do you primarily employ union labor?	Chi Square	27.41*
	Degrees of Freedom	2
	p-value	0.00

*\*Note: The Chi-Square approximation may be inaccurate - expected frequency less than 5.*

		Qualtrics Panel or Other Survey?
If you would be willing to be contacted to share more details about your experiences with us, please...	Chi Square	3.63
	Degrees of Freedom	1
	p-value	0.06

**TIP: Move elements in the Survey Flow by clicking on the Move button and dragging to the desired location. You can also click on an element (highlights blue) and use the arrow keys.**