

SURVEY NAME

Survey of HR Managers on COVID-19 Response, Indoor Air

DATE

Friday, June 15, 2021

Demographics

Total responses

436

Age groups

18 - 24 (4.36%), 25 - 34 (21.79%), 35 - 44 (57.8%),
45 - 54 (11.24%), > 54 (4.82%)

Country

United States

Gender

Male (61.93%), Female (38.07%)

SQ

TYPE: SINGLE SELECTION

In your role, do you handle issues surrounding COVID-19 safety?

#	ANSWERS	ANSWERS(%)	COUNT
A1	Yes	100.00%	436
A2	No	0.00%	0

TOTAL UNIQUE RESPONDENTS 436

SQ

TYPE: SINGLE SELECTION

Are you involved in decisions regarding building and facility changes or improvements, including HVAC system upgrades or other engineering controls to improve ventilation?

#	ANSWERS	ANSWERS(%)	COUNT
A1	Yes	100.00%	436
A2	No	0.00%	0

TOTAL UNIQUE RESPONDENTS 436

Q1

TYPE: SINGLE SELECTION

In the past 12 months, has your organization invested in ventilation solutions or other measures to improve indoor air quality?

#	ANSWERS	ANSWERS(%)	COUNT
A1	Yes	95.64%	417
A2	No	4.36%	19

TOTAL UNIQUE RESPONDENTS 436

Q2

TYPE: MULTIPLE SELECTION

What kind of improvements have been made?

#	ANSWERS	RESPONDENTS(%)	ANSWERS(%)	COUNT
A1	Upgraded existing HVAC systems that support improved filtration (e.g. MERV13)	73.38%	22.27%	306
A2	Upgraded existing HVAC systems that support medical grade filtration (e.g HEPA)	63.79%	19.36%	266
A3	Installed new HVAC systems	60.67%	18.41%	253
A4	Deployed Portable Air Purification Systems (HEPA filtration machines)	51.56%	15.65%	215
A5	Deployed UVGI systems for germicidal irradiation	42.21%	12.81%	176
A6	Deployed ionization technologies	37.65%	11.43%	157
A7	Other	0.24%	0.07%	1

TOTAL UNIQUE RESPONDENTS 417

Q3

TYPE: SINGLE SELECTION

What was your organization's total budget for these expenditures?

#	ANSWERS	ANSWERS(%)	COUNT
A1	Under \$10,000	3.36%	14
A2	\$10,000 - \$50,000	14.63%	61
A3	\$50,000 - 500,000	27.34%	114
A4	\$500,000 - \$5,000,000	28.30%	118
A5	More than \$5,000,000	26.38%	110

TOTAL UNIQUE RESPONDENTS 417

Q4

TYPE: SINGLE SELECTION

Does your organization plan to improve ventilation and/or indoor air quality within the next 12 months?

#	ANSWERS	ANSWERS(%)	COUNT
A1	Definitely yes	36.84%	7
A2	Probably yes	42.11%	8
A3	Probably not	15.79%	3
A4	Definitely not	5.26%	1

TOTAL UNIQUE RESPONDENTS 19

Q5

TYPE: MULTIPLE SELECTION

What kind of improvements do you anticipate will be made?

#	ANSWERS	RESPONDENTS(%)	ANSWERS(%)	COUNT
A1	Upgraded existing HVAC systems that support improved filtration (e.g. MERV13)	20.00%	13.04%	3
A2	Upgraded existing HVAC systems that support medical grade filtration (e.g HEPA)	53.33%	34.78%	8
A3	Installed new HVAC systems	20.00%	13.04%	3
A4	Deployment of Portable Air Purification Systems (HEPA filtration machines)	33.33%	21.74%	5
A5	Deployment of UVGI systems for Germicidal Irradiation	26.67%	17.39%	4
A6	Deployment of Ionization Technologies	0.00%	0.00%	0
A7	Other	0.00%	0.00%	0

TOTAL UNIQUE RESPONDENTS 15

Q6

TYPE: SINGLE SELECTION

What do you anticipate will be your organization's total budget for these expenditures?

#	ANSWERS	ANSWERS(%)	COUNT
A1	Under \$10,000	6.67%	1
A2	\$10,000 - \$50,000	20.00%	3
A3	\$50,000 - 500,000	40.00%	6
A4	\$500,000 - \$5,000,000	26.67%	4
A5	More than \$5,000,000	6.67%	1

TOTAL UNIQUE RESPONDENTS 15

Q7

TYPE: MULTIPLE SELECTION

Why has your organization neither improved ventilation and/or indoor air quality, nor planned on doing so?

#	ANSWERS	RESPONDENTS(%)	ANSWERS(%)	COUNT
A1	Insufficient funds available to make needed improvements	25.00%	14.29%	1
A2	Insufficient education about the importance of ventilation and indoor air quality	50.00%	28.57%	2
A3	Current ventilation and indoor air quality already meet our safety standards	75.00%	42.86%	3
A4	We are prefer alternative measures to improve safety, including PPE (masks), improved hygiene, social distancing, alternate or remote work schedules, or other administrative controls	25.00%	14.29%	1

TOTAL UNIQUE RESPONDENTS 4

Q8

TYPE: SINGLE SELECTION

How many people in your organization are typically involved in these types of investment decisions?

#	ANSWERS	ANSWERS(%)	COUNT
A1	1	5.73%	25
A2	2-4	27.52%	120
A3	5-7	25.92%	113
A4	More than 7	40.83%	178

TOTAL UNIQUE RESPONDENTS 436

Q9

TYPE: MULTIPLE SELECTION

In what departments or levels of management in your organization are these people typically found?

#	ANSWERS	RESPONDENTS(%)	ANSWERS(%)	COUNT
A1	HR	72.48%	20.30%	316
A2	Facilities / Facilities Engineering	45.41%	12.72%	198
A3	Operations	41.06%	11.50%	179
A4	Finance / Accounting	41.97%	11.75%	183
A5	Sales	31.19%	8.73%	136
A6	Marketing	28.21%	7.90%	123
A7	R&D Engineering	28.90%	8.09%	126
A8	Corporate Board Members	30.28%	8.48%	132
A9	CEO or other Senior Executives	33.26%	9.31%	145
A10	Other	4.36%	1.22%	19
A11	Manager			
A12	General Manager			
A13	IT			
A14	IT			
A15	manager			

#	ANSWERS	RESPONDENTS(%)	ANSWERS(%)	COUNT
A16	Manager			
A17	Senior Manager			
A18	IT			
A19	IT			
A20	IT company			
A21	It			
A22	Information Technology			

TOTAL UNIQUE RESPONDENTS 436

Q10

TYPE: RANKING

Please rank the following measures in order of most important (1) to least important (8) for combating COVID-19 in your organization.

#	ANSWERS	1	2	3	4	5	6	7	8	MEAN
A1	Hand washing or sanitizing stations and supplies	188.0	47.0	19.0	37.0	42.0	25.0	38.0	40.0	3.3
A2	Social distancing through traffic control, barriers, plexiglass, etc.	49.0	144.0	69.0	41.0	38.0	48.0	29.0	18.0	3.5
A3	Centralized HVAC system upgrades	24.0	45.0	146.0	72.0	43.0	42.0	34.0	30.0	4.1
A4	Portable Air Purification (HEPA) systems or other indoor air quality technologies	31.0	42.0	57.0	141.0	57.0	38.0	39.0	31.0	4.3

#	ANSWERS	1	2	3	4	5	6	7	8	MEAN
A5	Opening windows and doors	18.0	28.0	39.0	60.0	140.0	55.0	49.0	47.0	5.0
A6	Running box or ceiling fans to improve air circulation	26.0	29.0	45.0	24.0	61.0	158.0	54.0	39.0	5.2
A7	Masks and other PPE	45.0	64.0	47.0	32.0	22.0	39.0	137.0	50.0	4.9
A8	Alternate or remote work schedules	55.0	37.0	14.0	29.0	33.0	31.0	56.0	181.0	5.7
TOTAL UNIQUE RESPONDENTS 436										