ASHE CRTS:
Codebook

#	Name	Label	Categories or Type
1	CollectorNm	CollectorNm	# Depending on PMG – lists all collectors for segmentation
2	PID_Simple	PID_Simple	
3	RespondentID	SM Assigned #	#
	Covariates		
4	Date	EndDate	Date
5	Role	Which role choice below best describes your primary duties?	1 Architect 2 Designer 3 Constructor 4 Facilities Management 5 Educator 6 Engineer (e.g., Operating, Consulting, Mechanical, Electrical, Civil, Biomedical, Safety) 7 Infection Prevention 8 Manufacturing/Distribution 9 Regulatory (e.g., Surveyors, AHJ, Department of Health) 10 Sustainability 11 Retired 12 Student 0 Oops! I am not in the Health Care Engineering Field - and have come across this survey by mistake.
6	Role_Other_String	Role_Other_String	String
7	Level	Which position level best describes your current role?	1 VP/SVP Level 2 Director Level

			3 Manager/Supervisor Level 4 Professional Level (e.g., safety officer, energy engineer, AIA) 5 Technician Level (e.g., HVAC, grounds keeping, plumbing)
8	InOutSystem	Do you currently work within, or directly for, a specific hospital or health care system? (Where you perform duties as a consultant or hired in-house, working on the premises?)	1 Yes, at least a portion of my work occurs directly within or for a specific hospital 2 No, I work within the health care field, but I am not tied to a specific hospital or health care system
9	OneOrMultipleWrkSites	…Do you perform your duties for one hospital, or do you split your time either working in or managing operations for multiple sites?	1 All my duties (or management activities) are performed on one site 2 My duties (or management activities) span across more than one site
10	NumWrksites	Given that you said you perform duties (or oversee) activities at more than one site – at how many sites do you currently work?	#
11	Rural_YN	Rural_YN: Hospital setting (if you work for multiple settings, please select all that apply):	1 = Yes
12	Suburban_YN	Suburban_YN: Hospital setting (if you work for multiple settings, please select all that apply):	1 = Yes
13	Urban_YN	Urban_YN: Hospital setting (if you work for multiple settings, please select all that apply):	1 = Yes
14	Org_Type	What type of organization do you work for?	0 Other (please specify) 1 Hospital/Medical Center

			2 Integrated Delivery Network 3 Military/VA/Government 4 Ambulatory Surgery Center 5 LTC/Nursing Home
15	OrgType_Other_String	Other (please specify)	String
16	TotalInptBeds	TotalInptBeds: Total number of inpatient beds (across all sites, before COVID):	#
17	TotalBedsLTC	How many beds are in the long-term care facility?	#

<table>
<tr><td colspan="4" align="center">Staffing Changes
Several FM departments have had to make changes to their workforce. During this COVID pandemic, did your department take any of the following actions (at any point, regardless of how long the change was in effect)? Please select all that a
(Below – select all that apply)</td></tr>
<tr><td>18</td><td>Staff_LayoffYN</td><td>Staff_LayoffYN: Which roles were impacted by this staff change? (Check all that apply.)</td><td>1 = Yes</td></tr>
<tr><td>19</td><td>Staff_FurloughYN</td><td>Staff_FurloughYN</td><td>1 = Yes</td></tr>
<tr><td>20</td><td>Staff_ReassignYN</td><td>Staff_ReassignYN</td><td>1 = Yes</td></tr>
<tr><td>21</td><td>Staff_LoanOutYN</td><td>Staff_LoanOutYN</td><td>1 = Yes</td></tr>
<tr><td>22</td><td>Staff_SalaryReductionYN</td><td>Staff_SalaryReductionYN</td><td>1 = Yes</td></tr>
<tr><td>23</td><td><i>Staff_Layoff_Percentage</i></td><td>What total percent of your department staff had to be Laid off?</td><td>%</td></tr>
<tr><td>24</td><td>Staff_Layoff_Admin</td><td>Staff_Layoff_Admin</td><td>1 = Yes</td></tr>
<tr><td>25</td><td>Staff_Layoff_Bio</td><td>Staff_Layoff_Bio</td><td>1 = Yes</td></tr>
<tr><td>26</td><td>Staff_Layoff_Carpenter</td><td>Staff_Layoff_Carpenter</td><td>1 = Yes</td></tr>
<tr><td>27</td><td>Staff_Layoff_Design</td><td>Staff_Layoff_Design</td><td>1 = Yes</td></tr>
<tr><td>28</td><td>Staff_Layoff_Electrician</td><td>Staff_Layoff_Electrician</td><td>1 = Yes</td></tr>
<tr><td>29</td><td>Staff_Layoff_GenMain</td><td>Staff_Layoff_GenMain</td><td>1 = Yes</td></tr>
<tr><td>30</td><td>Staff_Layoff_Role_Grounds</td><td>Staff_Layoff_Role_Grounds</td><td>1 = Yes</td></tr>
</table>

31	Staff_Layoff_Role_HVAC	Staff_Layoff_Role_HVAC	1 = Yes
32	Staff_Layoff_Role_IHConst	Staff_Layoff_Role_IHConst	1 = Yes
33	Staff_Layoff_Role_Locksmith	Staff_Layoff_Role_Locksmith	1 = Yes
34	Staff_Layoff_Role_Mechanic	Staff_Layoff_Role_Mechanic	1 = Yes
35	Staff_Layoff_Role_Painter	Staff_Layoff_Role_Painter	1 = Yes
36	Staff_Layoff_Role_Plumber	Staff_Layoff_Role_Plumber	1 = Yes
37	Staff_Layoff_Role_PowerPlant	Staff_Layoff_Role_PowerPlant	1 = Yes
38	Staff_Layoff_Role_ProjectManager	Staff_Layoff_Role_ProjectManager	1 = Yes
39	Staff_Layoff_Role_Safety	Staff_Layoff_Role_Safety	1 = Yes
40	Staff_Layoff_Role_Security	Staff_Layoff_Role_Security	1 = Yes
41	Staff_Layoff_Role_Other	Staff_Layoff_Role_Other	1 = Yes
42	Staff_Layoff_Role_Other_String	Staff_Layoff_Role_Other_String	String
43	Staff_Layoff_StartDate	Staff_Layoff_StartDate	Date
44	StaffLayoff_EndDate	StaffLayoff_EndDate	Date
45	***Staff_Furlough_Percentage***	What total percent of your department staff had to be Furloughed?	%
46	Staff_Furlough_Admin	Staff_Furlough_Admin	1 = Yes
47	Staff_Furlough_Bio	Staff_Furlough_Bio	1 = Yes
48	Staff_Furlough_Carpenter	Staff_Furlough_Carpenter	1 = Yes
49	Staff_Furlough_Design	Staff_Furlough_Design	1 = Yes
50	Staff_Furlough_Electrical	Staff_Furlough_Electrical	1 = Yes
51	Staff_Furlough_GenMaint	Staff_Furlough_GenMaint	1 = Yes
52	Staff_Furlough_Grounds	Staff_Furlough_Grounds	1 = Yes
53	Staff_Furlough_HVAC	Staff_Furlough_HVAC	1 = Yes
54	Staff_Furlough_IHConst	Staff_Furlough_IHConst	1 = Yes
55	Staff_Furlough_Locksmith	Staff_Furlough_Locksmith	1 = Yes
56	Staff_Furlough__Mechanic	Staff_Furlough__Mechanic	1 = Yes
57	Staff_Furlough_Painter	Staff_Furlough_Painter	1 = Yes
58	Staff_Furlough_Plumber	Staff_Furlough_Plumber	1 = Yes
59	Staff_Furlough_PowerPlant	Staff_Furlough_PowerPlant	1 = Yes
60	Staff_Furlough_ProjectManager	Staff_Furlough_ProjectManager	1 = Yes
61	Staff_Furlough_Safety	Staff_Furlough_Safety	1 = Yes
62	Staff_Furlough_Security	Staff_Furlough_Security	1 = Yes

63	Staff_Furlough_Other	Staff_Furlough_Other	1 = Yes
64	Staff_Furlough_Other_String	Staff_Furlough_Other_String	1 = Yes
65	Staff_Furlough_StartDate	Staff_Furlough_StartDate	1 = Yes
66	Staff_Furlough_EndDate	Staff_Furlough_EndDate	1 = Yes
67	***Staff_Reassigned_Percentage***	Staff_Reassigned_Percentage	1 = Yes
68	Staff_Reassigned_Admin	Staff_Reassigned_Admin	1 = Yes
69	Staff_Reassigned_Bio	Staff_Reassigned_Bio	1 = Yes
70	Staff_Reassigned_Carpenter	Staff_Reassigned_Carpenter	1 = Yes
71	Staff_Reassigned_Design	Staff_Reassigned_Design	1 = Yes
72	Staff_Reassigned_Electrical	Staff_Reassigned_Electrical	1 = Yes
73	Staff_Reassigned_GenMaint	Staff_Reassigned_GenMaint	1 = Yes
74	Staff_Reassigned_Grounds	Staff_Reassigned_Grounds	1 = Yes
75	Staff_Reassigned_HVAC	Staff_Reassigned_HVAC	1 = Yes
76	Staff_Reassigned_IHConst	Staff_Reassigned_IHConst	1 = Yes
77	Staff_Reassigned_Locksmith	Staff_Reassigned_Locksmith	1 = Yes
78	Staff_Reassigned_Mechanic	Staff_Reassigned_Mechanic	1 = Yes
79	Staff_Reassigned_Painter	Staff_Reassigned_Painter	1 = Yes
80	Staff_Reassigned_Plumber	Staff_Reassigned_Plumber	1 = Yes
81	Staff_Reassigned_PowerPlant	Staff_Reassigned_PowerPlant	1 = Yes
82	Staff_Reassigned_ProjectManager	Staff_Reassigned_ProjectManager	1 = Yes
83	Staff_Reassigned_Safety	Staff_Reassigned_Safety	1 = Yes
84	Staff_Reassigned_Security	Staff_Reassigned_Security	1 = Yes
85	Staff_Reassigned_Other	Staff_Reassigned_Other	1 = Yes
86	Staff_Reassigned_Other_String	Staff_Reassigned_Other_String	1 = Yes
87	Staff_Reassigned_From	Staff_Reassigned_From	1 = Yes
88	Staff_Reassigned_To	Staff_Reassigned_To	1 = Yes
89	Staff_Reassigned_Start_Date	Staff_Reassigned_Start_Date	1 = Yes
90	Staff_Reassigned_Finish_Date	Staff_Reassigned_Finish_Date	1 = Yes
91	***Staff_Loaned_Percentage***	Staff_Loaned_Percentage	1 = Yes
92	Staff_Loaned_Admin	Staff_Loaned_Admin	1 = Yes
93	Staff_Loaned_Bio	Staff_Loaned_Bio	1 = Yes
94	Staff_Loaned_Carpenter	Staff_Loaned_Carpenter	1 = Yes
95	Staff_Loaned_Design	Staff_Loaned_Design	1 = Yes

96	Staff_Loaned_Electrical	Staff_Loaned_Electrical	1 = Yes
97	Staff_Loaned_GenMaint	Staff_Loaned_GenMaint	1 = Yes
98	Staff_Loaned_Grounds	Staff_Loaned_Grounds	1 = Yes
99	Staff_Loaned_HVAC	Staff_Loaned_HVAC	1 = Yes
100	Staff_Loaned_IHConst	Staff_Loaned_IHConst	1 = Yes
101	Staff_Loaned_Locksmith	Staff_Loaned_Locksmith	1 = Yes
102	Staff_Loaned_Mechanic	Staff_Loaned_Mechanic	1 = Yes
103	Staff_Loaned_Painter	Staff_Loaned_Painter	1 = Yes
104	Staff_Loaned_Plumbing	Staff_Loaned_Plumbing	1 = Yes
105	Staff_Loaned_PowerPlant	Staff_Loaned_PowerPlant	1 = Yes
106	Staff_Loaned_ProjectManager	Staff_Loaned_ProjectManager	1 = Yes
107	Staff_Loaned_Safety	Staff_Loaned_Safety	1 = Yes
108	Staff_Loaned_Security	Staff_Loaned_Security	1 = Yes
109	Staff_Loaned_Other	Staff_Loaned_Other	1 = Yes
110	Staff_Loaned_Other_String	Staff_Loaned_Other_String	1 = Yes
111	Staff_Loaned_ToOrg	Staff_Loaned_ToOrg	String
112	Staff_Loaned_AssitFunction	Staff_Loaned_AssitFunction	String
113	Staff_Loan_OutStart_Date	Staff_Loan_OutStart_Date	Date
114	Staff_Loan_Finish_Date	Staff_Loan_Finish_Date	Date
115	***Staff_SalRed_PercentageOfStaff***	Staff_SalRed_PercentageOfStaff	%
116	Staff_SalRed_Admin	Staff_SalRed_Admin	1 = Yes
117	Staff_SalRed_Bio	Staff_SalRed_Bio	1 = Yes
118	Staff_SalRed_Carpenter	Staff_SalRed_Carpenter	1 = Yes
119	Staff_SalRed_Design	Staff_SalRed_Design	1 = Yes
120	Staff_SalRed_Electrical	Staff_SalRed_Electrical	1 = Yes
121	Staff_SalRed_GenMaint	Staff_SalRed_GenMaint	1 = Yes
122	Staff_SalRed_Grounds	Staff_SalRed_Grounds	1 = Yes
123	Staff_SalRed_HVAC	Staff_SalRed_HVAC	1 = Yes
124	Staff_SalRed_IHConst	Staff_SalRed_IHConst	1 = Yes
125	Staff_SalRed_Locksmith	Staff_SalRed_Locksmith	1 = Yes
126	Staff_SalRed_Mechanic	Staff_SalRed_Mechanic	1 = Yes
127	Staff_SalRed_Painter	Staff_SalRed_Painter	1 = Yes
128	Staff_SalRed_Plumbing	Staff_SalRed_Plumbing	1 = Yes

129	Staff_SalRed_PowerPlant	Staff_SalRed_PowerPlant	1 = Yes
130	Staff_SalRed_ProjectManager	Staff_SalRed_ProjectManager	1 = Yes
131	Staff_SalRed_Safety	Staff_SalRed_Safety	1 = Yes
132	Staff_SalRed_Security	Staff_SalRed_Security	1 = Yes
133	Staff_SalRed_Other	Staff_SalRed_Other	1 = Yes
134	Staff_SalRed_Other_String	Staff_SalRed_Other_String	1 = Yes
135	Staff_SalRed_PercentageReduced	By approximately what percentage were salaries reduced by?	%
136	Staff_SalRed_Start_Date	Staff_SalRed_Start_Date	Date
137	Staff_SalRed_Finish_Date	Staff_SalRed_Finish_Date	Date
	OPS - What activities did your organization start doing (for at least a part of the COVID prep and surge)? Please select all that apply.		
138	***Ops_Start_Inspections***	Ops_Start_Inspections	1 = Yes
139	Ops_Start_Testing	Ops_Start_Testing	1 = Yes
140	Ops_Start_Maintenance	Ops_Start_Maintenance	1 = Yes
141	Ops_Start_PrevMain	Ops_Start_PrevMain	1 = Yes
142	Ops_Start_ServiceCalls	Ops_Start_ServiceCalls	1 = Yes
143	Ops_Start_EnergyManagment	Ops_Start_EnergyManagment	1 = Yes
144	Ops_Start_RelabilityCen	Ops_Start_RelabilityCen	1 = Yes
145	Ops_Start_ZoneMaint	Ops_Start_ZoneMaint	1 = Yes
146	Ops_Start_TroubleCalls	Ops_Start_TroubleCalls	1 = Yes
147	Ops_Start_AestheticService	Ops_Start_AestheticService	1 = Yes
148	Ops_Start_Rounding	Ops_Start_Rounding	1 = Yes
149	Ops_Start_EquiMonitoring	Ops_Start_EquiMonitoring	1 = Yes
150	Ops_Start_IHConstr	Ops_Start_IHConstr	1 = Yes
151	***Ops_Stop_Inspections***	Ops_Stop_Inspections	1 = Yes
152	Ops_Stop_Testing	Ops_Stop_Testing	1 = Yes
153	Ops_Stop_Maintenance	Ops_Stop_Maintenance	1 = Yes
154	Ops_Stop_PrevMain	Ops_Stop_PrevMain	1 = Yes
155	Ops_Stop_ServiceCalls	Ops_Stop_ServiceCalls	1 = Yes
156	Ops_Stop_EnergyManagment	Ops_Stop_EnergyManagment	1 = Yes
157	Ops_Stop_RelabilityCen	Ops_Stop_RelabilityCen	1 = Yes
158	Ops_Stop_ZoneMaint	Ops_Stop_ZoneMaint	1 = Yes
159	Ops_Stop_TroubleCalls	Ops_Stop_TroubleCalls	1 = Yes

160	Ops_Stop_AestheticService	Ops_Stop_AestheticService	1 = Yes
161	Ops_Stop_Rounding	Ops_Stop_Rounding	1 = Yes
162	Ops_Stop_EquiMonitoring	Ops_Stop_EquiMonitoring	1 = Yes
163	Ops_Stop_IHConstr	Ops_Stop_IHConstr	1 = Yes
164	DelayCancel_Renovation	DelayCancel_Renovation: Did you have to delay or cancel any pre-COVID projects that may negatively impact facility operations in the future? Please select all that apply.	1 Renovation (update space to serve same function)
165	DelayCancel_Repurpose	See Q#	1 Repurpose (alter space to serve new function)
166	DelayCancel_NewConstruction	See Q#	1 New Construction (create new space)
167	ApplyWaivers	Did your facility apply for a waiver for any ITM in the physical environment that was not included in the blanket 1135 waivers? If so, give details.	0 Yes, we submitted a waiver not included in the blanket 1135 and it was for… 1 No
168	ApplyeWaivers_Detail_String	Yes, we submitted a waiver not included in the blanket 1135 and it was for…	String
Surge Prep: What measures has the FM department taken to assist clinical staff in preparing for patient surge? These questions do not directly involve reconfiguring actual clinical health space, those questions will be asked later. Please select all that apply.			
169	SurgePrep_ProtectiveBarriers	SurgePrep_ProtectiveBarriers	1 = Yes
170	SurgePrep_ChangedPtWorkflow	SurgePrep_ChangedPtWorkflow	1 = Yes
171	SurgePrep_IncreaseMorgueCap	SurgePrep_IncreaseMorgueCap	1 = Yes
172	SurgePrep_IncreaseTeleHlthCap	SurgePrep_IncreaseTeleHlthCap	1 = Yes
173	SurgePrep_ModifiedClinicalRooms	SurgePrep_ModifiedClinicalRooms	1 = Yes
174	SurgePrep_ModifiedEquip	SurgePrep_ModifiedEquip	1 = Yes
175	SurgePrep_MovedEquip	SurgePrep_MovedEquip	1 = Yes
176	SurgePrep_ReducedPtSeating	SurgePrep_ReducedPtSeating	1 = Yes
177	SurgePrep_RelocatedPtEquip	SurgePrep_RelocatedPtEquip	1 = Yes
178	SurgePrep_SepEntryPointsCovidNon	SurgePrep_SepEntryPointsCovidNon	1 = Yes
179	SurgePrep_SepEntryPointsStaffPts	SurgePrep_SepEntryPointsStaffPts	1 = Yes
180	SurgePrep_Other	SurgePrep_Other	1 = Yes

181	SurgePrep_Other_String	SurgePrep_Other_String	1 = Yes
	Did you seek outside guidance as you made changes to the physical environment? If yes, what were your sources? Please select all that apply.		
182	Advice_AIA	Advice_AIA	1 = Yes
183	Advice_AHJ	Advice_AHJ	1 = Yes
184	Advice_ASHE	Advice_ASHE	1 = Yes
185	Advice_ASHRAE	Advice_ASHRAE	1 = Yes
186	Advice_ASME	Advice_ASME	1 = Yes
187	Advice_CDC	Advice_CDC	1 = Yes
188	Advice_CMS	Advice_CMS	1 = Yes
189	Advice_HSS	Advice_HSS	1 = Yes
190	Advice_ICC	Advice_ICC	1 = Yes
191	Advice_IEEE	Advice_IEEE	1 = Yes
192	Advice_LocalChapters	Advice_LocalChapters	1 = Yes
193	Advice_USArmyCorpsEng	Advice_USArmyCorpsEng	1 = Yes
194	Advice_OtherOrg	Advice_OtherOrg	1 = Yes
195	Advice_OtherOrg_String	Advice_OtherOrg_String	1 = Yes
196	Capability_Unit_NegPressY	Capability_Unit_NegPressYN: Did your facility have the capability to make an entire unit/floor negative pressure?	1 = Yes
197	Capability_Floor_NegPressY	Capability_Floor_NegPressY: Did your facility have the capability to make an entire unit/floor negative pressure?	1 = Yes
198	Capability_FloorUnit_NegPressNO	Capability_FloorUnit_NegPressNO: Did your facility have the capability to make an entire unit/floor negative pressure?	1 = Yes
199	Reconfig_RegPtRoomYN	Reconfig_RegularPtRoomsYN: Did you reconfigure pt rooms?	1 = Yes, if Yes R sees Qs 202 - 211
200	Reconfig_EntireFloorYN	Reconfig_entireFloorYN : Did you reconfigure entire floor?	1 = Yes, if Yes R sees Qs 212 -
201	Reconfig_EntireWingYN	Reconfig_EntireWingYN: Did you reconfigure Entire Hosp floors?	1 = Yes

202	Reconfig_ORAnteroomYN	Reconfig_ORAnteroom: Did you reconfigure OR anterooms?	1 = Yes, If Yes R sees Qs # - #
203	FU_RegPtRoom_NegPressYN	FU_RegPtRoom_NegPress: AHU conversion airside economizer	1 = Yes (From Q#)
204	FU_RegPtRoom_NegPress_Method1	FU_RegPtRoom_NegPress_Method1: AHU conversion without airside economizer	1 = Yes
205	FU_REgPtRoom_NegPress_Method2	FU_REgPtRoom_NegPress_Method2: AHU conversion airside economizer}...	1 = Yes
206	FU_RegPtRoom_NegPress_Method3	FU_RegPtRoom_NegPress_Method3: AHU with temporary additional air}...	1 = Yes
207	FU_RegPtRoom_NegPress_Method4	FU_RegPtRoom_NegPress_Method4: AHU with temporary relief air exhaust	1 = Yes
208	FU_RegPtRoom_NegPress_Method5	FU_RegPtRoom_NegPress_Method5: HEPA to corridor	1 = Yes
209	FU_RegPtRoom_NegPress_Method6	FU_RegPtRoom_NegPress_Method6: HEPA to outside	1 = Yes
210	FU_RegPtRoom_NegPress_Method7	FU_RegPtRoom_NegPress_Method7: HEPA to return	1 = Yes
211	FU_RegPtRoom_NegPress_Method8	FU_RegPtRoom_NegPress_Method8: Modification to ductwork	1 = Yes
212	FU_RegPtRoom_NegPress_Method9	FU_RegPtRoom_NegPress_Method9: Multi-bed zone-within-zone room	1 = Yes
213	FU_RegPtRoom_NegPress_Method10	FU_RegPtRoom_NegPress_Method10: Negative air machine	
214	FU_EntireFloor_NegPressYN	FU_EntireFloor_NegPress: You stated that you reconfigured an entire floor. Did you reconfigure any of this space to negative pressure?	1 = Yes, if then Q#
215	FU_EntireFloor_NegPress_Method1	FU_EntireFloor_NegPress_Method1: AHU conversion without airside economizer	1 = Yes (From Q#)
216	FU_EntireFloor_NegPress_Method2	FU_EntireFloor_NegPress_Method2: AHU conversion without airside economizer	1 = Yes

217	FU_EntireFloor_NegPress_Method3	FU_EntireFloor_NegPress_Method3: AHU with temporary additional air	1 = Yes
218	FU_EntireFloor_NegPress_Method4	FU_EntireFloor_NegPress_Method4: AHU with temporary relief air exhaust	1 = Yes
219	FU_EntireFloor_NegPress_Method5	FU_EntireFloor_NegPress_Method5: HEPA to corridor	1 = Yes
220	FU_EntireFloor_NegPress_Method6	FU_EntireFloor_NegPress_Method6: HEPA to outside	1 = Yes
221	FU_EntireFloor_NegPress_Method7	FU_EntireFloor_NegPress_Method7: HEPA to return	1 = Yes
222	FU_EntireFloor_NegPress_Method8	FU_EntireFloor_NegPress_Method8: Modification to ductwork	1 = Yes
223	FU_EntireFloor_NegPress_Method9	FU_EntireFloor_NegPress_Method9: Multi-bed zone-within-zone room	1 = Yes
224	FU_EntireFloor_NegPress_Method10	FU_EntireFloor_NegPress_Method10: Negative air machine	1 = Yes
225	FU_EntireWing_NegPressYN	FU_EntireWing_NegPressYN: You stated that you reconfigured an entire wing. Did you reconfigure any of this space to negative pressure?	1 = Yes then Q#
226	FU_EntireWing_NegPress_Method1	FU_EntireWing_NegPress_Method1: AHU conversion airside economizer	1 = Yes (From Q#)
227	FU_EntireWing_NegPress_Method2	FU_EntireWing_NegPress_Method2: AHU conversion without airside economizer	1 = Yes
228	FU_EntireWing_NegPress_Method3	FU_EntireWing_NegPress_Method3: AHU with temporary additional air	1 = Yes
229	FU_EntireWing_NegPress_Method4	FU_EntireWing_NegPress_Method4: AHU with temporary relief air exhaust	1 = Yes
230	FU_EntireWing_NegPress_Method5	FU_EntireWing_NegPress_Method5: HEPA to corridor	1 = Yes
231	FU_EntireWing_NegPress_Method6	FU_EntireWing_NegPress_Method6: HEPA to outside	1 = Yes

232	FU_EntireWing_NegPress_Method7	FU_EntireWing_NegPress_Method7: HEPA to return	1 = Yes
233	FU_EntireWing_NegPress_Method8	FU_EntireWing_NegPress_Method8: Modification to ductwork	1 = Yes
234	FU_EntireWing_NegPress_Method9	FU_EntireWing_NegPress_Method9: Multi-bed zone-within-zone room	1 = Yes
235	FU_EntireWing_NegPress_Method10	FU_EntireWing_NegPress_Method10: Negative air machine	1 = Yes
236	FU_TotalRooms_NegPress	FU_TotalRooms_NegPress: Approximately how many patient rooms total (across the adapted/changed rooms, floors and wings) were configured as negative pressure spaces?	1 = Yes, Then Q#
237	FU_ORA_NegPress_Method1	FU_ORA_NegPress_Method1: AHU conversion airside economizer	1 = Yes
238	FU_ORA_NegPress_Method2	FU_ORA_NegPress_Method2: AHU conversion without airside economizer	1 = Yes
239	FU_ORA_NegPress_Method3	FU_ORA_NegPress_Method3: AHU with temporary additional air	1 = Yes
240	FU_ORA_NegPress_Method4	FU_ORA_NegPress_Method4: AHU with temporary relief air exhaust	1 = Yes
241	FU_ORA_NegPress_Method5	FU_ORA_NegPress_Method5: HEPA to corridor	1 = Yes
242	FU_ORA_NegPress_Method6	FU_ORA_NegPress_Method6: HEPA to outside	1 = Yes
243	FU_ORA_NegPress_Method7	FU_ORA_NegPress_Method7: HEPA to return	1 = Yes
244	FU_ORA_NegPress_Method8	FU_ORA_NegPress_Method8: Modification to ductwork	1 = Yes
245	FU_ORA_NegPress_Method9	FU_ORA_NegPress_Method9: Multi-bed zone-within-zone room	1 = Yes
246	FU_ORA_NegPress_Method10	FU_ORA_NegPress_Method10: Negative air machine	1 = Yes
247	FU_TotalORA_NegPress	FU_TotalORA_NegPress: Approximately how many total OR anterooms were configured as negative pressure spaces?	#

248	ConvertNonclinicalSpaceToClinicalYN	ConvertNonclinicalSpaceToClinicalYN: Did you convert nonclinical space into patient treatment space?	1 = Yes
249	ConvertNonClinicalSpaceToClinical_String	ConvertNonClinicalSpaceToClinical_String: What type of nonclinical space was converted?	String
250	ConvertNonClinicalSpaceToClinical_Use	ConvertNonClinicalSpaceToClinical_Use: Did your organization ever consider obtaining or creating any additional alternate health care space for the following uses? (Select all that apply)	1.00 Yes, we considered spaces for the quarantine or treatment of COVID suspected or diagnosed patients 2 Yes, we considered spaces for non-COVID patients 3 No, we never considered spaces for patients, but we did consider them for housing clinical staff only 4 No, we never considered alternate health care spaces for patients or staff
251	Considered_MotorHomes_OverFlow	Considered_MotorHomes	1 Not Obtained 2 Obtained for potential patient treatment (for Qs – 251 – 253)
252	Considered_PortableContainers_OverFlow	Considered_PortableContainers	
253	Considered_PortableTent_OverFlow	Considered_PortableTent	
254	Considered_Other_OverFlow_String	Considered_Other_String: We obtained a different kind of space, and we planned on using it for...	
255	Considered_AbandonedHosp	Considered_AbandonedHosp	1 Have not needed to consider 2 Have considered but quickly decided against 3 Have seriously considered (for Qs 255 – 270)
256	Considered_Arenas	Considered_Areanas	

257	Considered_CarWash	Considered_CarWash	
258	Considered_ConventionCenter	Considered_ConventionCenter	
259	Considered_CommCenter	Considered_CommCenter	
260	Considered_CruiseShip	Considered_CruiseShip	
261	Considered_EventCenter	Considered_EventCenter	
262	Considered_GasStation	Considered_GasStation	
263	Considered_Gym	Considered_Gym	
264	Considered_Hotel	Considered_Hotel	
265	Considered_MotorHomes	Considered_MotorHomes	
266	Considered_ParkingGarages	Considered_ParkingGarages	
267	Considered_PortableContainers	Considered_PortableContainers	
268	Considered_PortableTents	Considered_PortableTents	
269	Conisdered_Prisons	Conisdered_Prisons	
270	Considered_Schools	Considered_Schools	
271	Design_WhichSpaces	Design_WhichSpaces: Of those spaces seriously considered, which of the spaces below (if any) did you you actually design (or contract an architect to design)? If you designed more than one health care space, please choose the space that was the most complex….	1 Abandoned hospital 2 Arenas 3 Car wash bays 4 Convention cen 5 Community cent 6 Cruise ships 7 Event centers 8 Gas station bays 9 Gyms 10 Hotels 11 Parking gar 12 Prisons 13 Schools
272	Design_Other	Design_Other	String
273	Construction_Activity	Construction_Activity: What statement below best describes the construction activities of your designed {{ Q51 }} alternate health care site?	1 Never started building, the surge passed before we could build 2 Never started building, we found space elsewhere

			3 Never started building, we did not have the funds
			4 Started, but did not finish due to reduced surge demand
			5 Started and finished, but reduced or changed the plans because the surge demand decreased
			6 Started and finished, according to plans
274	Construction_Cost	Construction_Cost: What was the estimated cost for the constructed space (regardless of whether the design was completed, or the site housed patients)?	$
275	Construction_Time	Construction_Time: How long did it take you to complete construction? Please answer in number of weeks.	
276	Construction_Beds	Construction_Beds	#
277	Construction_IsolatedRoomsVsPartiotioned	Construction_IsolatedRoomsVsPartiotioned: Were patient spaces housed in isolated built-out rooms, or were they in partitioned spaces?	1 Isolated (separate rooms) 2 Partitioned (separated by curtains or other means)
278	Construction_PressReq1	Construction_PressReq1: What were the pressure requirements of the newly built-out spaces? Please select all that apply.	1 Positive spaces
279	Construction_PressReq2	Construction_PressReq2: What were the pressure requirements of the newly built-out spaces? Please select all that apply.	1 Negative spaces, open pods
280	Construction_PressReq3	Construction_PressReq3: What were the pressure requirements of the newly built-out spaces? Please select all that apply.	1 Negative spaces, individual patient space vs. block of cubicles
281	Construction_PressReq4	Construction_PressReq4: What were the pressure requirements of the newly built-out spaces? Please select all that apply.	1 Positive building, but negative spaces

282	Construction_MedO2	Construction_MedO2: Did you provide medical oxygen?	1 Yes 2 No
283	Construction_MedO2Sol	Construction_MedO2Sol: What was the solution?	1 Containers (gas) 2 Cylinder (liquefied oxygen) 3 Container on a truck 4 Concentrator
284	Construction_MedAir	Construction_MedAir: Did you provide medical air?	1 Yes 2 No
285	Construction_CompressorType	Construction_CompressorType: What type of compressor did you use?	1 Rental compressor 2 Tied into hospital medical air system
286	Construction_MedGradeOrNo	Construction_MedGradeOrNo: Medical grade or nonmedical grade air compressor?	1 Medical grade 2 Nonmedical grade
287	Construction_Vaccuum	Construction_Vaccuum: Did you provide a	1 Yes 2 No
288	AltSpace_TreatPtsYN	AltSpace_TreatPtsYN: Was this alternate health care space used to house or treat patients (at any time)?	1 Yes 2 No
289	AltSpace_NotUsed_Reason	AltSpace_NotUsed_Reason: Why was the space unused?	0 Some other reason not mentioned here, and it is 1 The surge passed before we could occupy 2 Did not have enough staff for the surge space
290	AltSpace_NotUsed_Reason_String	AltSpace_NotUsed_Reason_String: Some other reason not mentioned here, and it is...	String
291	Used_StaffHousing	Used_StaffHousing: What was your alternate health care space used for? Please select all that apply, even if the space was only used for this purpose for a short period of time.	1 Temporary housing for medical staff
292	Used_Testing	Used_Testing: What was your alternate health care space used for? Please select all that apply, even if the space was only used for this purpose for a short period of time.	1 COVID testing

293	Used_Quar_Suspected	Used_Quar_Suspected: What was your alternate health care space used for? Please select all that apply, even if the space was only used for this purpose for a short period of time.	1 Quarantine for COVID-suspected patients
294	Used_Quar_Confirmed	Used_Quar_Confirmed: What was your alternate health care space used for? Please select all that apply, even if the space was only used for this purpose for a short period of time.	1 Quarantine for COVID-diagnosed patients (as an alternative to home care)
295	Used_Tx_Confirmed	Used_Tx_Confirmed: What was your alternate health care space used for? Please select all that apply, even if the space was only used for this purpose for a short period of time.	1 Treatment for COVID-presumed or confirmed positive patients
296	Used_Tx_NonCovid	Used_Tx_NonCovid: What was your alternate health care space used for? Please select all that apply, even if the space was only used for this purpose for a short period of time.	1 Treatment for non-COVID patients
297	FU_Used_COV_PtClass_Acute	FU_Used_COV_PtClass_Acute: For what classification of COVID suspected/diagnosed patients? Please select all that apply.	1.00 Acute
298	FU_Used_COV_PtClass_NonAcute	FU_Used_COV_PtClass_NonAcute: For what classification of COVID suspected/diagnosed patients? Please select all that apply.	1 Non-acute
299	FU_Used_COV_PtClass_Critical	FU_Used_COV_PtClass_Critical: For what classification of COVID suspected/diagnosed patients? Please select all that apply.	1 Critical
300	FU_Used_NonCOV_PtClass_Acute	FU_Used_NonCOV_PtClass_Acute: For what classification non-COVID patients? Please select all that apply.	1 Acute
301	FU_Used_NonCOV_PtClass_NonAcute	FU_Used_NonCOV_PtClass_NonAcute: For what classification non-COVID patients? Please select all that apply.	1 Non-acute

302	FU_Used_NonCOV_PtClass_Critical	FU_Used_NonCOV_PtClass_Critical: For what classification non-COVID patients? Please select all that apply.	1 Critical
303	Used_HowLong	Used_HowLong: How many weeks has your alternate health care site been in operation?	
304	Used_Beds_Avg	Used_Beds_Avg: Approximately how many beds (on average) were in use during occupancy?	
305	Used_Beds_Peak	Used_Beds_Peak: Approximately how many beds were in use at surge peak?	
306	Used_StillActiveYN	Used_StillActiveYN: Is the alternate health care space still in use?	1 Yes 2 No
307	SOCCOG_Prep	SOCCOG_Prep: If you were to judge for yourself the level of preparation that your department had to undergo to prepare for the COVID-19 surge, as compared to other hospitals' FM departments, (and there is no right or wrong answer), how would you rate your own facility…	0 – 100
308	SOCCOG_Impact	SOCCOG_Impact: Now consider how the actual surge impact (patient volume, and how severely sick these patients were) you feel your hospital had as compared to others. Using the same scale as before, how would you rate the patient volume and severity impact on your facility	0 – 100
309	FM_Input	FM_Input	1 Not included at all 2 Considered including, but did not include 3 Included for a minimal part of the process 4 Included for most of the process

			5 Included for every part of the process
310	Go_Condition	Go_Condition: Does/did your organization have an official "go" condition explicitly stated? (Meaning that there is some agreed-upon benchmark that must happen before the organization can start recovery efforts.)	1 Yes 2 No
311	ElectiveProcedures	ElectiveProcedures: Elective procedures resumed on:	Date
312	LL_OxegynInfastructure	LL_OxegynInfastructure: Was your facility's oxygen infrastructure capable of handling the increased demand during the highest surge period?	1 Yes 2 No
313	LL_ProcessToRemain_String	LL_ProcessToRemain_String: You stated that you had either started or stopped some processes during the COVID crisis. What processes did you change that you think should be permanent? If you do not think any processes should remain changed, skip to the next question.	String
314	LL_ReturnSpaceToOriginalUseYN	LL_ReturnSpaceToOriginalUseYN: You may have told us that you expanded patient care space to meet potential surge demands. Does your organization intend to return this space to its original use?	1 Yes 2 No 3 We are not sure 4 We did not make any changes to our health space
315	LL_PermanentChanges_String	LL_PermanentChanges_String: What (if any) physical changes did you make to your facility that you believe should be made permanent?	String
316	LL_ChangeBack_When	LL_ChangeBack_When: When does it intend to do so?	Date
317	LL_DecisionInertia	LL_DecisionInertia: What decisions are you struggling with?	String

		You stated you built an alternate health care space. What does your organization intend on doing with space in the future? Please select all that apply.	
318	LL_AltSpace_MakePerm	LL_AltSpace_MakePerm	1 Making the space permanent
319	LL_AltSpace_Maintaining	LL_AltSpace_Maintaining	1 Maintaining it as a future temporary alternate care space
320	LL_AltSpace_Decomission	LL_AltSpace_Decomission	1 Decommissioning the space
321	LL_AltSpace_Other	LL_AltSpace_Other	1 A different use
322	LL_AltSpace_Other_String	LL_AltSpace_Other_String	
323	LL_CodeBarriersYN	LL_CodeBarriersYN: Are there any codes/regulatory requirements that are preventing you from being successful in implementing the changes you feel are needed based on your COVID experience?	1 Yes 2 No
324	LL_CodeBarriers_Which	LL_CodeBarriers_Which : What code or regulatory requirement?	String
325	FinalThoughts_String	FinalThoughts_String: Is there anything else you would like ASHE or your fellow members to know about your unique COVID prep and plan experience? …	String
326	Zip_SingleHosps	Zip_SingleHosps – For FM with one site only - What is your hospital's 5-digit zip code?	
327	Zip_Largest	Zip_Largest – For FM with at least 2 sites, and is 1 - Largest Hospital Zip Code	
328	Zip_2ndLargest	Zip_2ndLargest – For FM with at least 2 sites, and is 2nd - Largest Hospital Zip Code	
329	Zip_3rdLargest	Zip_3rdLargest – For FM with at least 3 sites, and is 3rd Largest Hospital Zip Code	
330	Zip_4thLargest	Zip_4thLargest – For FM with at least 4 sites, and is 4rd Largest Hospital Zip Code	

331	Zip_5thLargest	Zip_5thLargest – For FM with at least 4 sites, and is 5th Largest Hospital Zip Code	
		Role Specific Questions: Retirees	
332	Ret_BarrierChallengesYN	Ret_BarrierChallengesYN: Imagine yourself leading the COVID surge preparation at your former health care facility. Do you think there would be any codes/regulatory requirements that might prevent you from being successful in implementing the changes necessary?	1 Yes 2 No
333	Ret_BarrierChallenges_String	Ret_BarrierChallenges_String: If yes, what code or regulatory requirement? (If no, please skip to next question.)	String
334	Ret_SOCCOG_Prep	Ret_SOCCOG_Prep	0 - 100
335	Ret_SOCCOG_Impact	Ret_SOCCOG_Impact	0 - 100
336	Ret_FinalComments	Ret_Comments: Is there anything else you would like ASHE, or your fellow members (retired or still working within the field), to know about these topics? For example, consider sharing your thoughts on:How FMs may better prepare for another surge….	
337	Ret_Zip	Ret_Zip: What is the 5-digit zip code that is most closely associated with your final primary health care facility workplace? (Or your current home if you live in another locale).	
		Role Specific Questions: Educators	
338	Educ_YN	Educ_YN: Are you an educator in the health care design, facilities management, or related field?	1 Yes 2 No
339	Assoc_Workforce_Issues	Assoc_Workforce_Issues: Some health care engineering industries have reported COVID surge driven changes to their workforce. The next few questions ask you about your own	0 More than one of these workforce situations has occurred, and they are... 1 Laid Off 2 Furlough

		experience. Please complete the following sentence, "During the COVID crisis, I was..."(If none of these op	3 Reassigned to different role/area/department within the same organization 4 "Loaned out" to other organizations 5 Required to take a salary reduction
340	Assoc_Workforce_Issues_String	Assoc_Workforce_Issues_String : More than one of these workforce situations has occurred, and they are...	String (need coding later)
341	Assoc_Workforce_Current	Assoc_Workforce_Current: Are you still {{ Q97 }}?	1 Yes 2 No
342	Assoc_Workforce_Time	Assoc_Workforce_Time: For approximately how many weeks had/have you been {{ Q97 }}?	
343	Educ_BarrierChallengesYN	Educ_BarrierChallengesYN: Imagine yourself leading the preparation for surge at a health care facility near you. Do you think there would be any codes/regulatory requirements that may prevent you from being successful in implementing the changes necessary to prepare?	1 Yes 2 No
344	Educ_BarrierChallenges_String	Educ_BarrierChallenges_String: If yes, what code(s) or regulatory requirement(s)?	
345	Educ_SOCCOG_Prep	Educ_SOCCOG_Prep	1 - 100
346	Educ_SOCCOG_Impact	Educ_SOCCOG_Impact	1 - 100
347	Educ_FinalThoughts	Educ_Comments	
348	Educ_Zip	Educ_Zip	
349	WorkWithinHealthSystemYN	WorkWithinHealthSystemYN: Do you currently work within or directly for a specific hospital or health care system? (Where you perform duties as a consultant or hired in-house and you work	1 Yes, at least a portion of my work occurs directly within or for a specific hospital

		on the premises in construction, design, Assinfection prevention, engineering or facilities manage…	2 No, I work within the health care field, but I am not directly tied to one specific hospital or health care system
	Role Specific Questions: Architects, Designers, Constructors		
350	ADC_Workforce_Issues	ADC_Workforce_Issues: Some health care engineering industries have reported COVID surge driven changes to their workforce. The next few questions ask you about your own experience. Please complete the following sentence, "During the COVID crisis, I was..."(If none	1 Laid Off 2 Furloughed 3 Reassigned to different role/area/department within the same organization 4 "Loaned out" to other organizations 5 Required to take a salary reduction
351	ADC_Workforce_String	ADC_Workforce_String: More than one of these workforce situations has occurred, and they are...	
352	ADC_Workforce_Current	ADC_Workforce_Current: Are you still {{ Q107 }}?	1 Yes 2 No
353	ADC_Workforce_Time	ADC_Workforce_Time: For approximately how many weeks had/have you been {{ Q107 }}?	
354	ADC_MultipleSites	ADC_MultipleSites: You stated that you worked within a health care facility. Do you perform your duties for one hospital, or do you split your time either working in, or managing operations for, multiple sites?	1 All my duties (or management activities) are performed on one site 2 My duties (or management) span across more than one site
355	ADC_COVIDActivities_1	ADC_COVIDActivities_1: As an architect, designer or constructor, did you engage in any of the following activities during the COVID crisis to meet surge demands? (Please select all that apply. If none apply, skip to the next question.)"I (or my firm) was...	1.00 Contacted about the potential opportunity to convert an existing health care
356	ADC_COVIDActivities_2	ADC_COVIDActivities_2: See above line #	1 Contracted to convert an existing health care space

357	ADC_COVIDActivities_3	ADC_COVIDActivities_3: " See above line #	1 Contacted about the potential opportunity to design an alternate health care site
358	ADC_COVIDActivities_4	ADC_COVIDActivities_4: See line #	1 Contracted to draft plans for an alternate health care site
359	ADC_COVIDActivities_5	ADC_COVIDActivities_5: See line #	1 Contacted about the potential opportunity to build an alternate health care site
360	ADC_COVIDActivities_6	ADC_COVIDActivities_6: See line #	1 Contracted to build an alternate health care site
361	ADC_COVIDActivities_7	ADC_COVIDActivities_7	1 Contracted to build an alternate care site and completed the build
362	ADC_COVIDActivities_8_Other	ADC_COVIDActivities_8_Other	1.00 "I (or my firm) engaged in some other COVID-19 related activity not listed here, which was..."
363	ADC_COVIDActivities_8_OtherString	ADC_COVIDActivities_8_OtherString	
364	ADC_CodeBarriersYN	ADC_CodeBarriersYN: Were there any codes/regulatory requirements that made your COVID-19-related design or construction more difficult?	1 Yes 2 No
365	ADC_CodeBarriers_String	ADCCodeBarriers_String	
366	Arch_SOCCOG_Prep	Arch_SOCCOG_Prep	0 – 100
367	Arch_SOCCOG_Impact	Arch_SOCCOG_Impact	0 - 100
368	Arch_FinalThoughts	Arch_Comments	
369	Arch_Zip	Arch_Zip	
	IP Professional Respondent's		
370	IP_1_TrainEVSStaff	IP_1_TrainEVSStaff: Did a staff member from the Infection Prevention group meet with or help train EVS staff on protocols to protect against the SARS-CoV-2 virus?	1 Yes 2 No
371	IP_Workforce_Issues	IP_Workforce_Issues: Some health care engineering industries have reported COVID surge driven changes to their workforce. The	0 More than one of these workforce situations has occurred, and they are... 1 Laid Off

		next few questions ask you about your own experience. Please complete the following sentence, "During the COVID crisis, I was..."(If none of these s	2 Furloughed 3 Reassigned to different role/area/department within the same organization 4 "Loaned out" to other organizations 5 Required to take a salary reduction
372	IP_Workforce_Issues_String	IP_Workforce_Issues_String: More than one of these workforce situations has occurred, and they are...	String
373	IP_Workforce_Issues_Current	IP_Workforce_Issues_Current: Are you still {{ Q119 }}?	1 Yes 2 No
374	IP_Workforce_Issues_Time	IP_Workforce_Issues_Time: For approximately how many weeks had/have you been {{ Q119 }}?	1 Yes 2 No
375	IP_2_InputCleaningPolicy	IP_2_InputCleaningPolicy: What level of input did Infection Control have on the cleaning policy for COVID-19-related cleanings?	1 No input on cleaning policy 2 A moderate amount of input on cleaning policy 3 A large amount of input on cleaning policy
376	IP_3_InputPhysEnv	IP_3_InputPhysEnv: What level of input did Infection Control have on potential changes to the health care physical environment or alternate health care sites?	1 No input on decision-making related to the health care physical environment 2 A moderate amount of input on decision-making related to the health care physical environment 3 A large amount of input on decision-making related to the health care physical environment
377	IP_4_N95Respirators_Aerosol	IP_4_N95Respirators_Aerosol: Was the use of N95 respirators implemented only for aerosol-generating procedures?	1 Yes 2 No
378	IP_5_N95sImplemented	IP_5_N95sImplemented: Under what other circumstances were they implemented?	1 Employees choice whether or not they used N95s with any patients

			2 Employees choice with COVID-suspected or Positive patients 3 Employer's requirement to use N95s on all patients 4 Employer's requirement to use N95s on COVID-suspected and Positive patients 5 We did not have N95s available for use
379	IP_6_ReprocessingN95YN	IP_6_ReprocessingN95YN: Has your organization ever reprocessed N95s?	1 Yes 2 No
380	IP_7_ReprocessingN95Method	IP_7_ReprocessingN95Method: What method did you use to reprocess N95s?	0 Other (please specify) 1 Ethylene oxide 2 UV/UV-C 3 Hydrogen peroxide gas 4 Hydrogen peroxide plasma
381	IP_8_ReprocessingN95Method_Other_String	IP_8_ReprocessingN95Method_Other_String	
382	IP_9_ReprocessingN95_Use	IP_9_ReprocessingN95_Use: Have you had to use reprocessed N95s?	1 Yes 2 No
383	IP_10_COV_AAI	IP_10_COV_AAI: What percentage of your organization's COVID-positive patients were maintained in airborne infection isolation?	%
384	IP_SOCCOG_Prep	IP_SOCCOG_Prep	0 – 100
385	IP_SOCCOG_Impact	IP_SOCCOG_Impact	
386	IP_FinalThoughts	IP_Comments	
387	IP_Zip	IP_Zip	
Role Specific Questions: Sustainability Professionals		
388	Sus_Zip	S_Zip	

389	Sus_Workforce_Issues	S_Workforce_Issues: Some health care engineering industries have reported COVID surge driven changes to their workforce. The next few questions ask you about your own experience. Please complete the following sentence, "During the COVID crisis, I was..."(If none of these si	0 More than one of these workforce situations has occurred, and they are... 1 Laid Off 2 Furloughed 3 Reassigned to different role/area/department within the same organization 4 "Loaned out" to other organizations 5 Required to take a salary reduction
390	Sus_Workforce_Issues_String	q0135_other: More than one of these workforce situations has occurred, and they are...	
391	Sus_Workforce_Current	q0136: Are you still {{ Q135 }}?	1 Yes 2 No
392	Sus_Workforce_Issues_Time	q0137: For approximately how many weeks had/have you been {{ Q135 }}?	
393	Sus_Activities_1	Sus_Activities_1: Have you engaged in any COVID crisis-related activities in the fulfillment of your work duties or volunteerism since the crisis has begun? Please select all that apply.	1 Yes, my work duties have included activities that directly address COVID crisis-related needs
394	Sus_Activities_2	Sus_Activities_2: See #	1.00 Yes, my volunteer activities include actions that directly address COVID crisis-related needs
395	Sus_Activities_3	Sus_Activities_3	1.00 No, I have not had involvement in COVID crisis-related activities for work or volunteerism
396	Sus_Activities_String	Sus_Activities_String: If yes, please briefly describe what your role has been in helping to address COVID crisis-related needs.	
397	Sus_EnergyUse	Sus_EnergyUse	1 Decreased by a large amount 2 Decreased by a small amount

			3 No Change Seen 4 Increased by a small amount 5 Increased by a large amount
398	Sus_WaterUse	Sus_WaterUse	1 Decreased by a large amount 2 Decreased by a small amount 3 No Change Seen 4 Increased by a small amount 5 Increased by a large amount
399	Sus_Change_String	Sus_Change_String: If you noticed a change - please tell us a bit more about this change. Can you quantify the change in your explanation (using numbers to compare)? And, can you tell us what things specifically might be accountable for that change?...	
400	Sus_SOCCOG_Prep	Sus_SOCCOG_Prep	0 – 100
401	Sus_SOCCOG_Impact	Sus_SOCCOG_Impact	0 – 100
402	Sus_FinalThoughts	Sus_Coments	
403	Sus_Zip	Sus_Zip	
	Role Specific Questions: Manufacturers		
404	Manu_Workforce_Issues	Manu_Workforce_Issues (see Q)	
405	Manu_Workforce_String	Manu_Workforce_String	
406	Manu_Workforce_Current	Manu_Workforce_Current	
407	Manu_Workforce_Time	Manu_Workforce_Time	
408	Manu_Activities_1	Manu_Activities_1: As a manufacturer or supplier, did you engage in any of the following activities during the COVID crisis to assist with health care surge demands? (Please select all that apply. If none apply, skip to the next question.)"I (or my firm) was:	1 Contacted about the opportunity to create a new, or alter an existing, solution or product
409	Manu_Activities_2	Manu_Activities_2: See Q#	1 Actually CONTRACTED to create a new, or alter an existing, solution or product

410	Manu_Activities_3	Manu_Activities_3: See Q#	1 Considered creating a new, or altering an existing, potential solution or product
411	Manu_Activities_4	Manu_Activities_4: See Q#	1 Actually CREATED (designed) a new, or altered an existing, solution or product
412	Manu_Activities_5	Manu_Activities_5: See Q#	1 Actually LAUNCHED the new or adapted solution or product
413	Manu_Activities_6	Manu_Activities_6: See Q#	1 "I (or my company) engaged in some other COVID-19 related activity, and it is…
414	Manu_Activities_Other	Manu_Activities_Other: See Q#	
415	Manu_Activities_String	Manu_Activities_String: Please explain the COVID crisis-related activities that you engaged in — and what impact you think they had, or can have — on the field.	
416	Manu_SOCCOG_Prep	Manu_SOCCOG_Prep	0 – 100
417	Manu_SOCCOG_Impact	Manu_SOCCOG_Impact	0 – 100
418	Manu_FinalThoughts	Manu_Comments	
	Regulatory Members		
419	Reg_Workforce_Issues		
420	Reg_Workforce_Issues_String		
421	Reg_Workforce_Current		
422	Reg_Workforce_Time		
423	Reg_Acitivites_1	Reg_Acitivites_1: Have you performed any COVID crisis-related activities to help health care facilities prepare for patient surge since the crisis has begun? (Please select all that apply.)	1 Yes, my work duties have included activities that directly address COVID crisis-related needs
424	Reg_Activities_2	Reg_Activities_2	1 Yes, my volunteer activities directly address COVID crisis-related needs
425	Reg_Activities_3	Reg_Activities_3	1 No, I have not had involvement in COVID crisis-related activities for work or volunteerism

426	Reg_Activities_String	Reg_Activities_String	
427	Reg_SOCCOG_Prep	Reg_SOCCOG_Prep	
428	Reg_SOCCOG_Impact	Reg_SOCCOG_Impact	
429	Reg_Comments	Reg_Comments	
430	Reg_Zip	Reg_Zip	
		Students Sample Questions	
431	Stu_Activities_1	Stu_Activities_1: Have you performed any COVID crisis-related activities to help health care facilities prepare for patient surge, since the crisis has begun? Please select all that apply.	1 Yes, my work duties have included activities that directly address COVID crisis-related needs
432	Stu_Activities_2	Stu_Activities_2	1 Yes, my volunteer activities directly address COVID crisis-related needs
433	Stu_Activities_3	Stu_Activities_3	1 No, I have not had involvement in COVID crisis-related activities for work or volunteerism
434	Stu_Activities_4	Stu_Activities_4	1 I am a full-time student and not working
435	Stu_Activities_String	Stu_Activities_String:	If yes, please describe the COVID crisis preparedness activities in which you participated
436	Stu_SOCCOG_Prep	Stu_SOCCOG_Prep	
437	Stu_SOCCOG_Impact	Stu_SOCCOG_Impact	
438	Stu_FinalThoughts	Stu_Comments	
439	Stu_Zip	Stu_Zip	