

SmartUV For Business

- By Smart UV

SmartUV Workplace Care Package

It's vital to create & maintain an effective sanitation protocol within the workplace. These areas can have high occupancy rates, foot traffic and can be occupied by susceptible individuals.

Employers have a responsibility to have a COVID preparedness, response, and control plans.

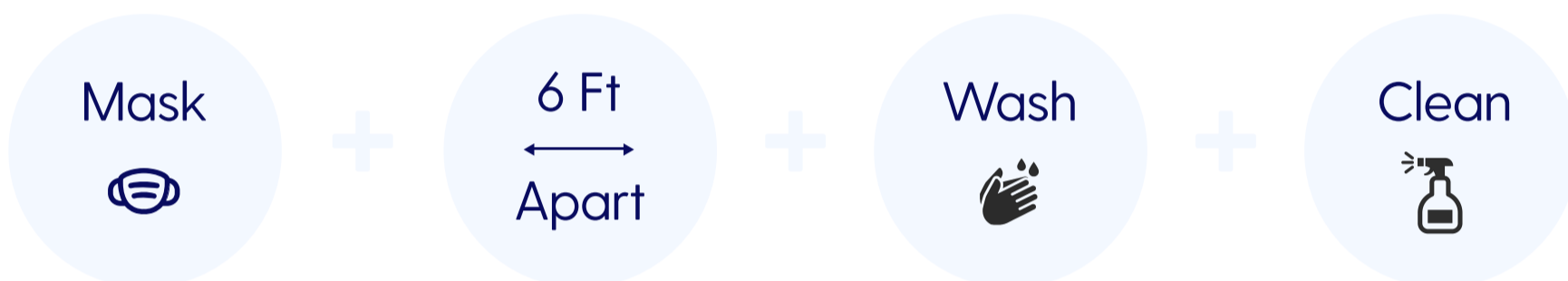
The CDC has outlined strategies for employers to provide a safer environment for employees to work within. These strategies outline a plan on how to help fight aerosol-based contaminants within the workplace.

Smart UV has compiled a step-by-step guide on how to effectively reduce pathogens within a workplace.

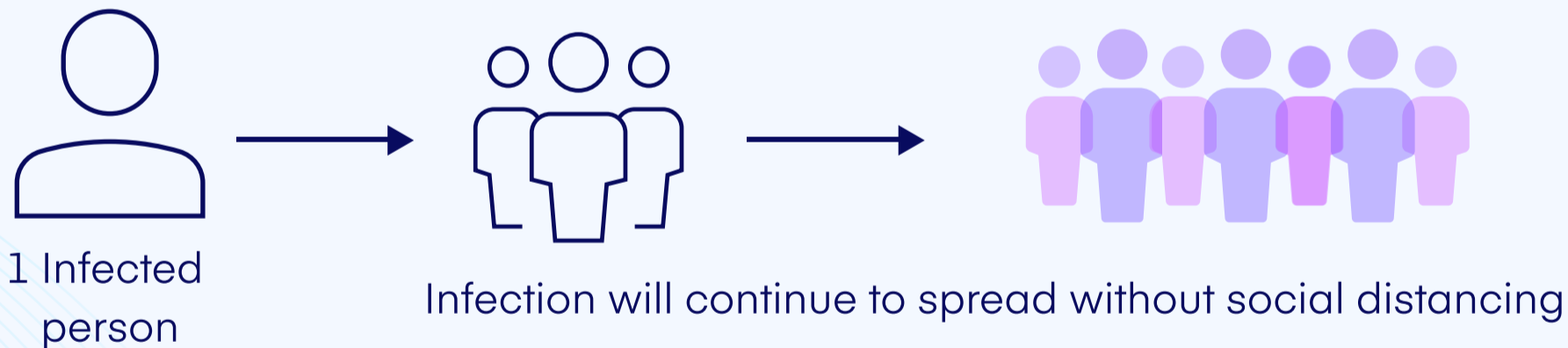
- Create a checklist.
- Implement signage requiring mask usage. Mask usage will reduce contact with aerosols.
- Establish maximum occupancy size per area & foot traffic directions to maintain social distancing.
- Define enhanced cleaning & sanitation protocols.
- Increase outdoor ventilation. This will reduce air recirculation.
- Ensure all HVAC systems are on the maximum setting.
- Implement a UV-C or HEPA-like air purification unit in the area.

COVID Prevention Importance & Speed of Spreading

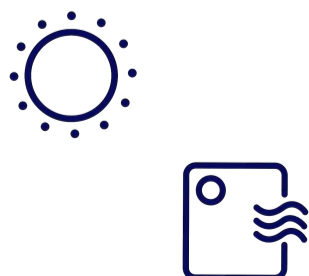
Basic & simple implementations that a workplace can do to prevent spreading



Social Distancing



Air Purification With UV-C



Implement a UVC-based device is the most effective method of disinfecting an area of pathogens

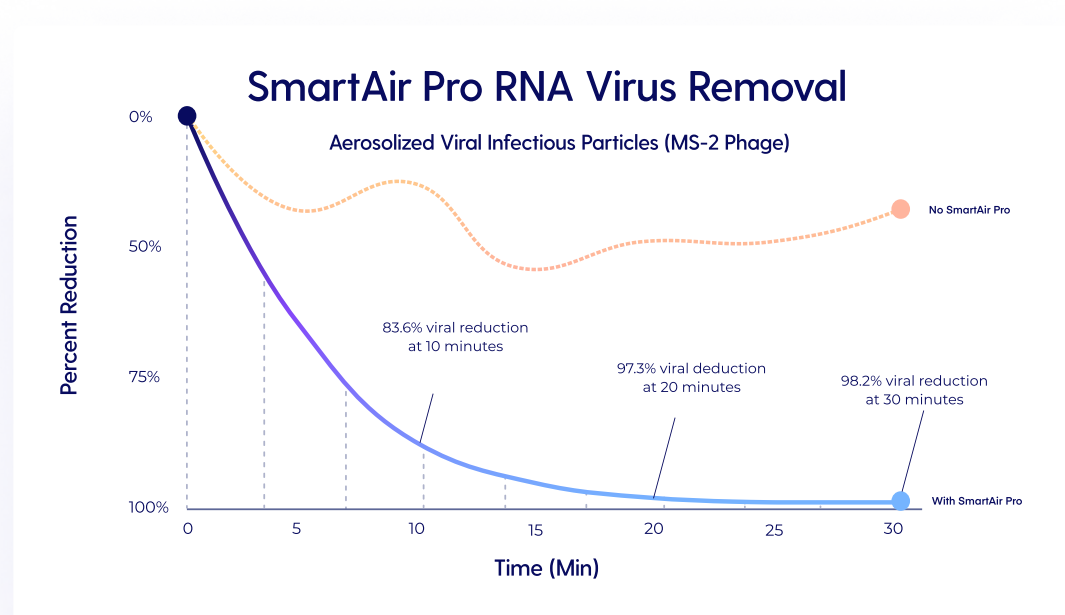
SmartAir Pro Virus Study

Multi-Pass Efficiency for MS2 Phage Virus Removal

Testing Results

Time (min)	Natural Decay	SmartAir Pro	Viral Removal (%)
0	105.8	112.4	N/A
5	72.1	42.2	62.5
15	85.5	18.4	83.6
20	55.7	5	95.5
25	62.6	3	97.3
30	72.1	2	98.2

SmartAir Pro Removal Efficiencies Graphed



Before and After MS-2 Pfu

SmartAir Pro MS-2 Pfu at 0 time



SmartAir Pro MS-2 Pfu at 30 minutes



Apollo UV-C Disinfection Virus Test

Apollo HC-OC43 Virus Test

HCV OC43

Distance	Time Exposed	Percent Reduction	Log10 Reduction
1 Meter	60 Minutes	99.997%	Log4.5
4 Meters	60 Minutes	99.935%	Log3.2
5.65 Meters	60 Minutes	99.973%	Log3.6
8 Meters	60 Minutes	90.550%	Log1.1

HCV OC43
Results Graphed

