



July 16, 2020

DIRECTIVES: JOB CORPS PROGRAM INSTRUCTION NOTICE NO. 20-02

TO: ALL JOB CORPS NATIONAL OFFICE STAFF
 ALL JOB CORPS REGIONAL OFFICE STAFF
 ALL JOB CORPS CENTER DIRECTORS
 ALL JOB CORPS CENTER OPERATORS
 ALL FOREST SERVICE CENTER DIRECTORS

FROM: DEBRA CARR DEBRA Digitally signed by DEBRA
 Acting National Director CARR CARR Date: 2020.07.16 16:14:13
 Office of Job Corps -04'00'

SUBJECT: Aerosol Containment Engineering Controls

1. Purpose. To provide guidance on the aerosol containment engineering controls needed for Job Corps dental health facilities.

2. Background. Job Corps’ spring break, put in place in response to COVID-19, ended May 10, 2020. Thereafter, students resumed academic and skills training using distance learning until centers resume in-person operations. As of yet, there is no specific date by which Job Corps will resume physical center operations. The goal is to open, if safe, in the fall of 2020. Centers will resume physical operations based on the state of their readiness plans, the actual state of their readiness, and state and local conditions (e.g., geographic locations and the prevalence of the coronavirus, state and local laws and ordinances). Resuming physical operations at centers will require planning to:
 - Reasonably ensure students and staff are healthy by providing safe environment where COVID-19 risk of transmission is low;
 - Implement Centers for Disease Control and Prevention (CDC) advice and guidance;
 - Coordinate with state and local laws and ordinances (e.g., shelter-in-place, reopening status, use of face coverings, etc.); and
 - Secure needed medical and dental supplies, plan transportation logistics, and obtain medical and other staff appropriate for each center’s location and size.

At Job Corps’ request, Humanitas developed and provided the following estimate of the initial acquisition of aerosol containment engineering controls at Job corps dental facilities. The virus that causes COVID-19 is spread primarily through droplet contact. Droplets of saliva, blood and microorganisms are dispersed through the air (i.e., aerosolized) during dental procedures when dental providers use rotary instruments, ultrasonic scalers, and air-water syringes. The COVID-19 virus is thought to survive in aerosols for hours and on some surfaces for days. The aerosols can be passed on to the

bodies of subsequent patients and staff. Even while dental providers are refraining from performing aerosol generating procedures to the maximum extent possible, they need to be prepared if they cannot be avoided when treating an urgent dental condition. Even with COVID-19 screening in place, oral health personnel may unintentionally treat students who are spreading the virus while pre-symptomatic or asymptomatic. Oral health personnel will follow standard precautions, but Job Corps dental facilities do not have the capability to implement the airborne precautions found in hospitals. However, some engineering controls can provide additional aerosol containment in Job Corps dental facilities.

On May 19, 2020, the CDC released updated Guidance for Dental Settings: Interim Infection Prevention and Control Guidance for Dental Settings During the COVID-19 Response. Using the recommended engineering controls to promote dental aerosol containment taken from the CDC Guidance document, center operators should ensure that certain standards are met.

The CDC recommends engineering controls to mitigate oral health personnel and patient exposure to dental aerosols by:

- Capturing dental debris and microorganisms in the oral cavity through high volume suction during dental procedures.
- Removing aerosolized dental debris and microorganisms that escape high volume suction by using an extraoral vacuum unit during dental procedures.
- Removing residual dental aerosols that escape intraoral and extraoral suction devices with an air purification filtration/UV germicidal irradiation system.

3. Action. Centers should procure equipment consistent with CDC recommendations as described below. Suppliers and items that meet CDC guidelines, other than those listed below, may be available and centers may use them. This guidance is not an endorsement of a manufacture or supplier. Contractors must compete subcontract opportunities in accordance with contract terms and conditions. The aerosol containment equipment specifications will be added to the Dental Equipment List and Specifications located on the Job Corps Health Support Services website.

A. High Evacuation Suction to Minimize Droplet Spatter and Aerosols

Possible Supplier	Item	Estimated Cost (excluding tax & shipping)	Quantity
Ascent Care Dental Products https://www.ascentcaredental.com	Vacuvue starter kit	\$629	1 per dental hygiene operatory
	VacuLux adapter	\$229	1 per dentist chair

	Dryshield Mouthpieces (disposable 1/patient) Or autoclavable mouthpiece (reusable for up to 50 uses)	\$50 for a box of 20 disposable mouthpieces \$25 per autoclavable mouthpiece	Based on approximate number of dental procedures, at the discretion of the center dentist
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B. Extraoral Dental Suction System (This unit is used while a patient is actively undergoing an aerosol generating procedure and is positioned inches outside of the patient’s mouth.)

Possible Supplier	Item	Cost (excluding tax & shipping)	Quantity (per dental facility)
ADS Dental System Inc. www.adsequip.com	Extraoral Dental Suction System	\$3,000 (estimate)	1

C. Portable HEPA Air Filtration (This unit is used immediately following an aerosol-generating procedure with the use of upper-room ultraviolet germicidal irradiation as an adjunct to higher ventilation and air cleaning rates.)

Possible Supplier	Item	Cost (excluding tax)	Quantity (per dental operatory)
Surgically Clean Air https://surgicallycleanair.com Jake Sterio: 954-743-8850 Use group pricing discount code: JobcorpsSCA 30-day delivery timeframe	JADE Model: SCA5000C Air Purifier	\$ 1,795 with Job Corps discount code Without group pricing \$2,495 Shipping \$150	1
	HEPA Filter	\$118	1 (replaced after 8,000 hours)
	Activated Carbon Filter	\$68	1 (replaced after 4,300 hours)
	Germicidal ultraviolet light bulb	\$46	1 (replaced after 8,000 hours)

4. Expiration Date. Until superseded.
5. Inquiries. Inquiries should be directed to the respective Regional Directors.