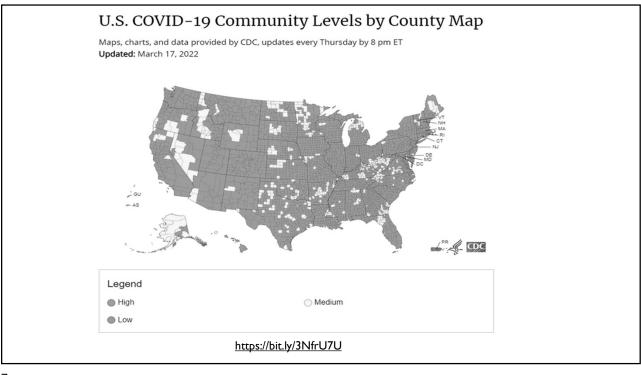


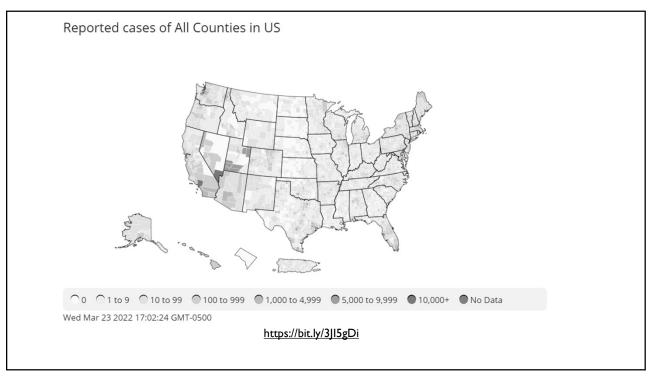


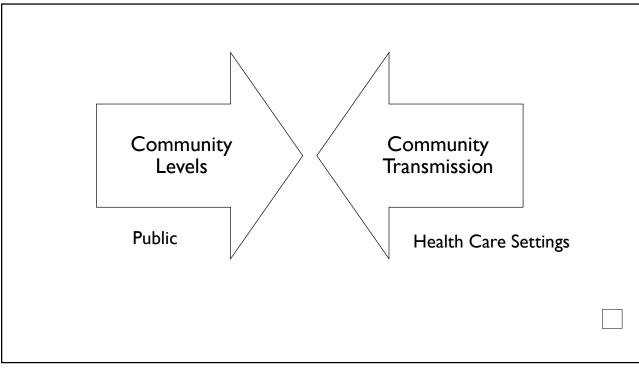
mRNA Vaccines for HIV in (Clinica	al Irials
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nday, March 14, 2022 IIH launches clinical trial of three mRNA HIV vaccines	Institute/Cel National Institut Infectious Disea	e of Allergy and
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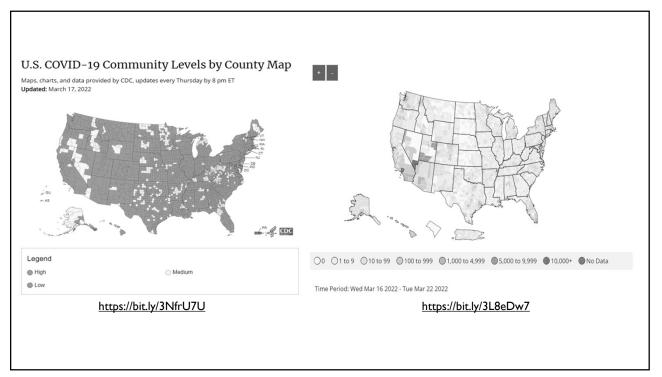
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Centers for Disease Control and Prevention CDC 24/7: Saving Lives, Protecting People™				
COVID Data Trac	ker			
Maps, charts, and data provided by	CDC, updates daily by 8 pm ET		COVID-19 Home >	
Use CDC's <u>COVID-19 Communit</u> only. Check back soon for COVID Daily Update for the Uni		ommunities and take action. Community Transmis mmunity Levels.	ision levels are provided for <u>healthcare facility use</u>	
Cases New Cases 47,454 Case Trends	Deaths New Deaths 911 Death Trends Feb 2022 Mar 2022	Hospitalizations New Admissions 1,952 Admission Trends	Vaccinations % At Least 1 Dose 81.6% People Age 5+	
Total Cases 79,621,004	Total Deaths 971,422	Current Hospitalizations 14,335	Total At Least 1 Dose 254,925,941	
		CDC Data as of: March	22, 2022 2:11 PM ET. Posted: March 22, 2022 3:47 PM ET	
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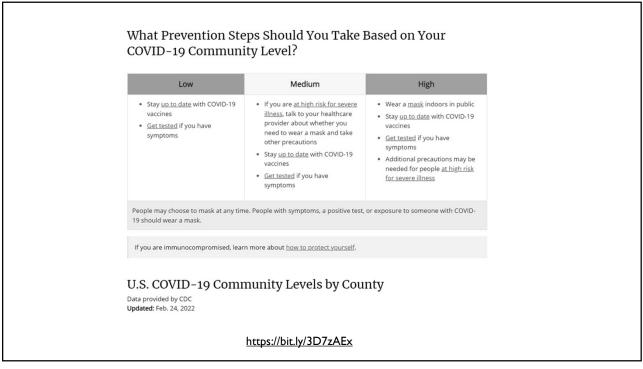


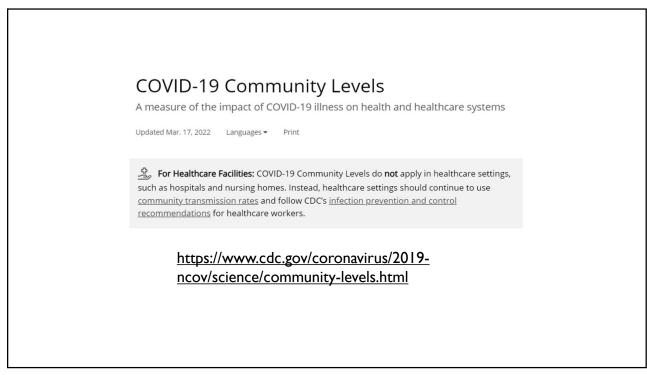




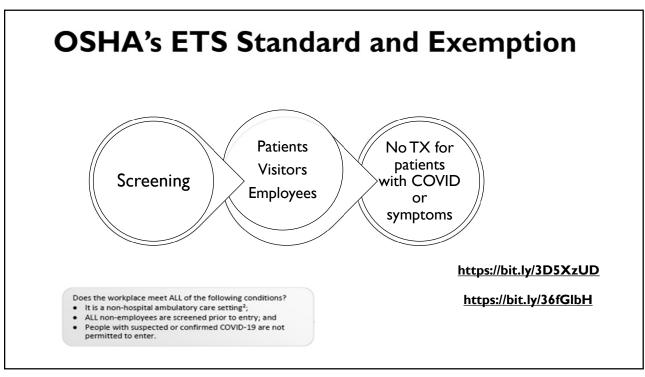


	COVID-19 Community Levels – Use the Highest Level that Applies to Your Community				munity
	New COVID-19 Cases Per 100,000 People in the past 7 days		Low	Medium	High
	Fewer than 200	New COVID-19 admissions per 100,000 population (7-day total)	<10.0	10.0-19.9	≥20.0
<u>https://bit.ly/3isjGeH</u>	Fewer than 200	Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)	<10.0%	10.0-14.9%	≥15.0%
	200 or more	New COVID-19 admissions per 100,000 population (7-day total)	NA	<10.0	≥10.0
		Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)	NA	<10.0%	≥10.0%









Coronavirus Disease (COVID-19) / COVID-19 Healthcare ETS

EMERGENCY TEMPORARY STANDARD

COVID-19 Healthcare ETS

Statement on the Status of the OSHA COVID-19 Healthcare ETS

(December 27, 2021)

On June 21, 2021, OSHA adopted a Healthcare Emergency Temporary Standard (Healthcare ETS) protecting workers from COVID-19 in settings where they provide healthcare or healthcare support services. 86 FR 32376. Under the OSH Act, an ETS is effective until superseded by a permanent standard – a process contemplated by the OSH Act to occur within 6 months of the ETS's promulgation. 29 U.S.C. 655(c).

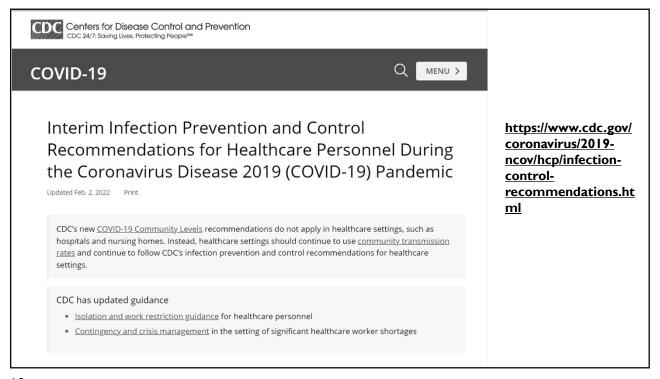
OSHA announces today that it intends to continue to work expeditiously to issue a final standard that will protect healthcare workers from COVID-19 hazards, and will do so as it also considers its broader infectious disease rulemaking. However, given that OSHA anticipates a final rule cannot be completed in a timeframe approaching the one contemplated by the OSH Act, OSHA also announces today that it is withdrawing the non-recordkeeping portions of the healthcare ETS. The COVID-19 log and reporting provisions, 29 CFR 1910.502(q)(2) (ii), (q)(3)(ii)-(iv), and (r), remain in effect. These provisions were adopted under a separate provision of the OSH Act, section 8, and OSHA found good cause to forgo notice and comment in light of the grave danger presented by the pandemic. See 86 FR 32559.

With the rise of the Delta variant this fall, and now the spread of the Omicron variant this winter, OSHA believes the danger faced by healthcare workers continues to be of the highest concern and measures to prevent the spread of COVID-19 are still needed to protect them. Given these facts, and given OSHA's anticipated finalization of this rule, OSHA strongly encourages all healthcare employers to continue to implement the ETS's requirements in order to protect employees from a hazard that too often causes death or serious physical harm to employees.

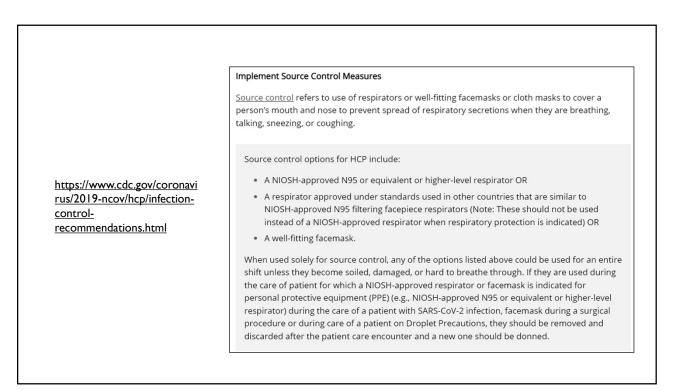
As OSHA works towards a permanent regulatory solution, OSHA will vigorously enforce the general duty clause and its general standards, including the Personal Protective Equipment (PPE) and Respiratory Protection Standards, to help protect healthcare employees from the hazard of COVID-19. The Respiratory Protection Standard applies to personnel providing care to persons who are suspected or confirmed to have COVID-19. OSHA will accept compliance with the terms of the Healthcare ETS as satisfying employers' related obligations under the general duty clause, respiratory protection, and PPE standards. Continued adherence to the terms of the healthcare ETS is the simplest way for employers in healthcare settings to protect their employees' health and ensure compliance with their OSH Act obligations.

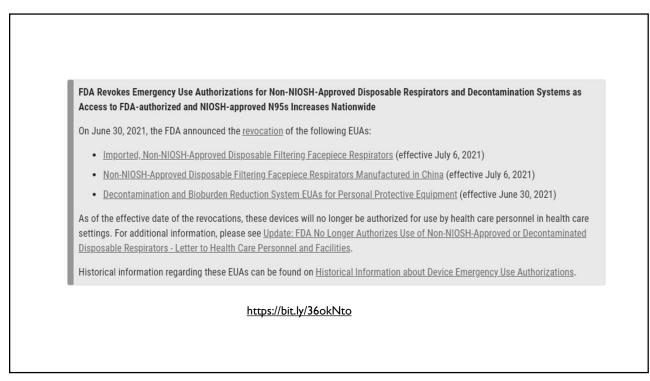
OSHA believes the terms of the Healthcare ETS remain relevant in general duty cases in that they show that COVID-19 poses a hazard in the healthcare industry and that there are feasible means of abating the hazard. OSHA plans to publish a notice in the Federal Register to implement this announcement.

https://bit.ly/3ww0nZV



		Reco	ommended PPE ens	embles for dentis	stry	
	transmission of CO	e of patients in areas where community smission of COVID-19 has subsided in the local area local area				
	Dental procedures not involving aerosol-generating procedures	Dental procedures that may or are known to generate aerosols	Dental procedures not involving aerosol- generating procedures	Dental procedures that may or are known to generate aerosols	Dental procedures not involving aerosol- generating procedures	Dental procedures that may or are known to generate aerosols
https://bit.ly/3itwl0X	 Work clothing, such as scrubs, lab coat, and/or smock, or a gown Gloves Eye protection (e.g., goggles, face shield) Face mask (e.g., surgical mask,) 	Gloves Gown Gown Eye protection (e.g., goggles, face shield) At a minimum, face mask (e.g., surgical mask,) with face shield NIOSH-certified, disposable N95 filtering facepiece respirator (or better) offers more protection to workers who may encounter asymptomatic or pre- symptomatic patients who can spread COVID-19 or other aerosolizable pathogens†	Work clothing, such as scrubs, lab coat, and/or smock, or a gown Gloves Eye protection (e.g., goggles, face shield) At a minimum, face mask (e.g., surgical mask, with face shield NIOSH-certified, disposable N95 filtering facepiece respirator (or better) offers more protection to workers who may encounter asymptomatic or pre- symptomatic patients who can spread COVID-19 or other aerosolizable pathogens†	Gloves Gown Eye protection (e.g., goggles, face shield) NIOSH-certified, disposable N95 filtering facepiece respirator or better†	Gloves Gown Eye protection (e.g., goggles, face shield) NIOSH-certified, disposable N95 filtering facepiece respirator or better;	Gloves Gown Eye protection (e.g., goggles, face shield) NIOSH-certified, disposable N95 filtering facepiece respirator or betterf







Maybe never....



What should the new normal be? And why...

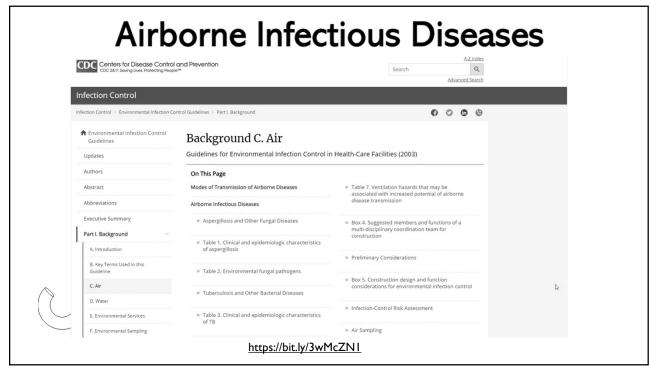
• Old

- Minor concerns for infectious aerosols
- PPE
 - Masks
 - Eyewear
- Lack of universal use of HVE
- Lack of air purification

• New

- Heightened concern for infectious aerosols and air quality in dentistry
- Use of respirators
- Use of face shields
- Universal use of HVE
- Use of air purification

Airborne Infectious Diseases• SARS and SARS-CoV-2• Mumps• Influenza *• Pertussis (Whooping Cough)• Corona viruses (colds)• Tuberculosis• Chicken Pox• Diphtheria• Measles• Meningitis• Measles• Meningitis

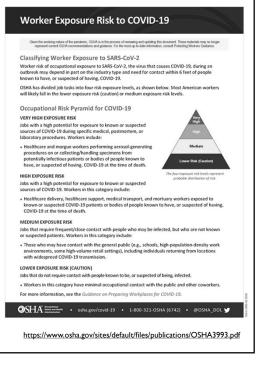


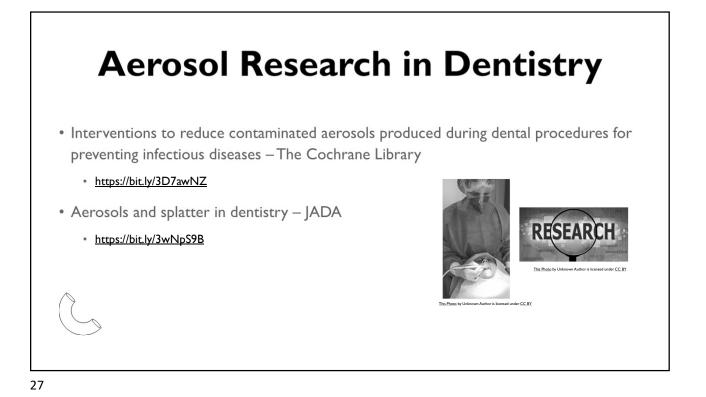
Airborne Infectious Diseases
The spread of airborne infectious diseases via droplet nuclei is a form of indirect transmission. ³⁴ Droplet nuclei are the residuals of droplets that, when suspended in air, subsequently dry and produce particles ranging in size from 1–5 μm. These particles can
a. contain potentially viable microorganisms, b. be protected by a coat of dry secretions, c. remain suspended indefinitely in air, and d. be transported over long distances.
The microorganisms in droplet nuclei persist in favorable conditions (e.g., a dry, cool atmosphere with little or no direct exposure to sunlight or other sources of radiation). Pathogenic microorganisms that can be spread via droplet nuclei include <i>Mycobacterium tuberculosis</i> , VZV, measles virus (i.e., rubeola), and smallpox virus (i.e., variola major). ⁶ Several environmental pathogens have life-cycle forms that are similar in size to droplet nuclei and may exhibit similar behavior in the air. The spores of <i>Aspergillus fumigatus</i> have a diameter of 2–3.5 μ m, with a settling velocity estimated at 0.03 cm/second (or about 1 meter/hour) in still air. With this enhanced buoyancy, the spores, which resist desiccation, can remain airborne indefinitely in air currents and travel far from their source. ³⁵
https://bit.ly/3wMcZN1

Health Risks for Dental Teams (and patients)

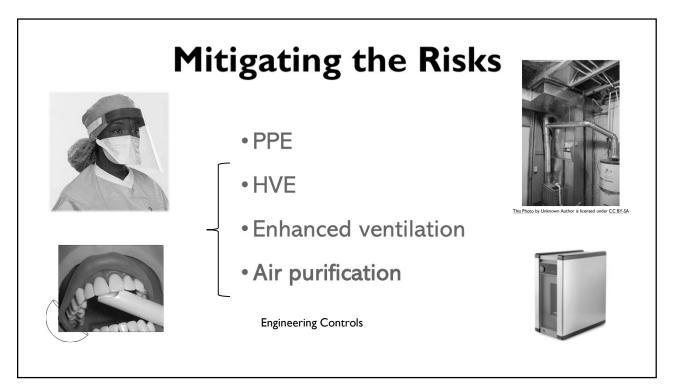
- Dental Aerosol as a Hazard Risk for Dental Workers
 - https://bit.ly/3iwDIVk
- OSHA Hazard Recognition
 - <u>https://www.osha.gov/coronavirus/hazards</u>
- What to Know about Airborne Diseases Medical News Today

https://bit.ly/3iwtsMU





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	for Disease Control and Prevention
Recommendatio	Prevention and Control ns for Healthcare Personnel navirus Disease 2019 (COVID-
Optimize the Use of Engineering Contr	ols and Indoor Air Quality
and other patients from infected	ontrols to reduce or eliminate exposures by shielding HCP ndividuals (e.g., physical barriers at reception / triage to guide symptomatic patients through waiting rooms and
 Explore options, in consultation v indoor air quality in all shared sp. 	ith facility engineers, to improve ventilation delivery and ces.
 Guidance on ensuring that v following resources: 	entilation systems are operating properly are available in the
Guidelines for Environm	nental Infection Control in Health-Care Facilities
	ating. Refrigerating and Air-Conditioning Engineers (ASHRAE) e facilities [간], which also provides <u>COVID-19 technical</u> e facilities [간]
 <u>Ventilation in Buildings</u> facilities 	which includes options for non-clinical spaces in healthcare
https://www.cdc.gov/coronavirus/	2019-ncov/hcp/infection-control-recommendations.html

