

## **California Department of Public Health Hepatitis A Virus Environmental Sanitation Resources**

Hepatitis A virus is spread via the fecal-oral route, i.e., the virus is ingested by mouth from contact with hands, objects, food, or drinks that are contaminated by the feces of an infected person. Hepatitis A is a nonenveloped virus; it is difficult to inactivate and can live months outside of the human body.

While there are no specific CDPH or CDC environmental sanitation recommendations for hepatitis A virus, it is at least as difficult to inactivate as norovirus. Therefore, guidelines for environmental control of norovirus can be used as a proxy for hepatitis A virus.

### **Contact local Environmental Health Departments for more information about environmental sanitation**

California Environmental Health Departments protect public health, enhance safety and safeguard the environment by delivering local Environmental Health Programs. Here is a link to a [list of departments](#) maintained by the California Conference of Directors of Environmental Health (CCDEH) of Environmental Health Department websites.

<https://www.ccdeh.com/component/comprofiler/userslist/28-eh-department-websites>

### **Norovirus Resources (there are many other online norovirus resources)**

[CDPH Norovirus Fact Sheet](#)

<https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/NorovirusFactSheet.pdf>

[Michigan Guidelines for Environmental Cleaning and Disinfection](#)

[https://www.michigan.gov/documents/Guidelines\\_for\\_Environmental\\_Cleaning\\_125846\\_7.pdf](https://www.michigan.gov/documents/Guidelines_for_Environmental_Cleaning_125846_7.pdf)

[Florida Control of Viral Gastroenteritis in Correctional Settings](#)

<http://www.djj.state.fl.us/docs/health-services/control-of-viral-gastroenteritis-in-correctional-settings.pdf?sfvrsn=0>

[CDPH Recommendations for Prevention and Control of Gastroenteritis Outbreaks in California Long-Term Care Facilities](#)

[http://izcoordinators.org/web\\_assets/files/HAV/CDPHLNCAFL0632.pdf](http://izcoordinators.org/web_assets/files/HAV/CDPHLNCAFL0632.pdf)

[North Carolina Norovirus Cleaning Step Recommendations](http://epi.publichealth.nc.gov/cd/norovirus/NORO_3StepstoCleaning_Oct2015.pdf)

[http://epi.publichealth.nc.gov/cd/norovirus/NORO\\_3StepstoCleaning\\_Oct2015.pdf](http://epi.publichealth.nc.gov/cd/norovirus/NORO_3StepstoCleaning_Oct2015.pdf)

U.S. Environmental Protection Agency (EPA): List E: EPA's Registered Antimicrobial Products Effective against Mycobacterium tuberculosis, Human HIV-1 and Hepatitis B Virus

[List of EPA-registered disinfectant products approved for Hepatitis A.](https://www.epa.gov/pesticide-registration/list-e-epas-registered-antimicrobial-products-effective-against-mycobacterium)

<https://www.epa.gov/pesticide-registration/list-e-epas-registered-antimicrobial-products-effective-against-mycobacterium>

**Other Selected Environmental Sanitation Resources**

This list of environmental sanitation resources is provided by the CDPH Center for Environmental Health. It represents a sample of the online resources that are available and has been compiled for convenience purposes.

Centers for Disease Control and Prevention (CDC): [Shelter Assessment Tool](https://emergency.cdc.gov/shelterassessment/index.asp)

This tool can assist in rapid assessment of shelter conditions and covers 14 general areas of environmental health, ranging from basic food safety and water quality to sanitation. The tool can be modified to meet local needs and has been used to assess tent cities.

<https://emergency.cdc.gov/shelterassessment/index.asp>

International Association of Venue Managers, Inc.: [Mega-Shelter Planning Guide a Resource and Best Practices Reference](https://www.fema.gov/pdf/emergency/disasterhousing/mspg.pdf)

This guide has a chapter on the planning and management of basic cleaning, repetitive hyper-cleaning, and sanitary maintenance of shelter facilities and surrounding areas.

<https://www.fema.gov/pdf/emergency/disasterhousing/mspg.pdf>

Los Angeles: [Operation Healthy Streets Protocol](http://www.dlanc.org/sites/dlancd7.localhost/files/OHS%20Fact-Sheet.13.05.22_3.pdf)

The City of Los Angeles developed and deployed this protocol with specialized teams to reduce the impacts of encampments in the Skid Row area on public health, fire hazard, hazardous materials, and safety.

[http://www.dlanc.org/sites/dlancd7.localhost/files/OHS%20Fact-Sheet.13.05.22\\_3.pdf](http://www.dlanc.org/sites/dlancd7.localhost/files/OHS%20Fact-Sheet.13.05.22_3.pdf)

Santa Cruz County: [Stop the Spread of Hepatitis A](http://www.santacruzhealth.org/Portals/7/Pdfs/Alerts/Cleaning%20Flyer%20for%20DT%20businesses%20eng.pdf)

How to disinfect surfaces that are frequently touched including bathroom surfaces, kitchen counters and appliances, light switch plates, door knobs, railings, recreational equipment, phones, tables and chairs, etc.

<http://www.santacruzhealth.org/Portals/7/Pdfs/Alerts/Cleaning%20Flyer%20for%20DT%20businesses%20eng.pdf>

San Diego County

[Sanitation Procedures for Public Rights-of-Ways](http://www.sandiegocounty.gov/content/dam/sdc/hhsa/programs/phs/documents/Sanitation%20Procedures%20for%20Streets%20%20Sidewalks_updated%20090617.pdf)

The purpose of this document is to provide operating procedures and recommendations for the sanitation of public right-of-ways (e.g., sidewalks, streets, and gutters).

[http://www.sandiegocounty.gov/content/dam/sdc/hhsa/programs/phs/documents/Sanitation%20Procedures%20for%20Streets%20%20Sidewalks\\_updated%20090617.pdf](http://www.sandiegocounty.gov/content/dam/sdc/hhsa/programs/phs/documents/Sanitation%20Procedures%20for%20Streets%20%20Sidewalks_updated%20090617.pdf)

[Hepatitis A Disinfection Guidelines](http://www.sandiegocounty.gov/content/dam/sdc/deh/fhd/food/pdf/publications_hepatitisA.pdf)

[http://www.sandiegocounty.gov/content/dam/sdc/deh/fhd/food/pdf/publications\\_hepatitisA.pdf](http://www.sandiegocounty.gov/content/dam/sdc/deh/fhd/food/pdf/publications_hepatitisA.pdf)

Sphere: [\*Sphere Handbook, Water Supply, Sanitation and Hygiene Promotion, Draft 1, April 2017\*](#)

The focus on of this handbook is hygiene promotion related to water supply, excreta disposal, vector control, solid waste management and drainage.

<http://www.spherehandbook.org/en/water-supply-sanitation-and-hygiene-promotion-wash/>

United Nations High Commissioner for Refugees (UNHCR): [\*Rapid Methods for Assessing Water, Sanitation and Hygiene \(WASH\) Services at Refugee Camps in Emergency Settings\*](#)

This document describes methodology for conducting rapid WASH assessments in refugee settings.

<https://reliefweb.int/report/world/rapid-methods-assessing-water-sanitation-and-hygiene-wash-services-refugee-camps>

World Health Organization (WHO): [\*Environmental Health in Emergencies and Disasters: A Practical Guide Chapter 8: Sanitation\*](#)

This is a guide to environmental health management in disasters and includes the provision of sanitation services.

[http://www.who.int/water\\_sanitation\\_health/emergencies/emergencies2002/en/](http://www.who.int/water_sanitation_health/emergencies/emergencies2002/en/)

WHO: [\*Technical Options for Excreta Disposal in Emergencies\*](#)

Technical notes on drinking water, sanitation and hygiene in emergencies

[http://www.who.int/water\\_sanitation\\_health/publications/2011/tn14\\_tech\\_options\\_excreta\\_en.pdf](http://www.who.int/water_sanitation_health/publications/2011/tn14_tech_options_excreta_en.pdf)