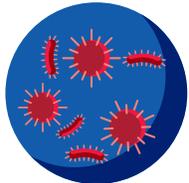
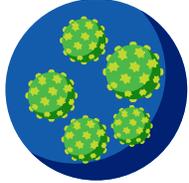


## Preventing or Eliminating Infection with the Four Main Cancer-causing Pathogens

PATHOGEN	WAYS TO PREVENT INFECTION	WAYS TO ELIMINATE OR TREAT INFECTION	U.S. RECOMMENDATIONS
<p><b><i>Helicobacter pylori</i></b></p> 	<ul style="list-style-type: none"> <li>• Avoid exposure through good hygiene and sanitation</li> </ul>	<ul style="list-style-type: none"> <li>• Treatment with a combination of antibiotics and a proton-pump inhibitor can eliminate infection</li> </ul>	<ul style="list-style-type: none"> <li>• CDC recommends testing and treatment for people with active or a documented history of gastric or duodenal ulcers, low-grade gastric MALT lymphoma, or early gastric cancer that has been surgically treated</li> </ul>
<p><b>HBV</b></p> 	<ul style="list-style-type: none"> <li>• HBV vaccination</li> <li>• Avoid behaviors that can transmit infection (e.g., injection drug use and unsafe sex)</li> </ul>	<ul style="list-style-type: none"> <li>• Treatment of those chronically infected with antiviral drugs rarely eliminates infection but does slow virus multiplication; this slows the pace at which liver damage occurs and thereby reduces risk for liver cancer</li> </ul>	<ul style="list-style-type: none"> <li>• Vaccination part of childhood immunization schedule since 1991</li> <li>• CDC and USPSTF recommend screening high-risk individuals—those from countries with high rates of HBV infection, HIV-positive persons, injection drug users, household contacts of HBV-infected individuals, and men who have sex with men—for HBV infection</li> </ul>
<p><b>HCV</b></p> 	<ul style="list-style-type: none"> <li>• Avoid behaviors that can transmit infection (e.g., injection drug use and unsafe sex)</li> </ul>	<ul style="list-style-type: none"> <li>• Treatment with any of several antiviral drugs can eliminate infection</li> </ul>	<ul style="list-style-type: none"> <li>• There is consensus in recommendations from CDC and USPSTF for universal screening of all adults ages 18 to 79</li> </ul>
<p><b>HPV</b></p> 	<ul style="list-style-type: none"> <li>• FDA-approved vaccine</li> <li>• Practice safe sex, although this may not fully protect against infection</li> </ul>	<ul style="list-style-type: none"> <li>• None available</li> </ul>	<ul style="list-style-type: none"> <li>• CDC recommends HPV vaccination for boys and girls age 11 or 12</li> </ul>

CDC, Centers for Disease Control and Prevention; HBV, hepatitis B virus; HCV, hepatitis C virus; HPV, human papillomavirus; MALT, mucosa-associated lymphoid tissue; USPSTF, U.S. Preventive Services Task Force.