

People with HIV may be more susceptible to some infections, especially if their immune system is weakened. They should therefore be vaccinated with most vaccines on the immunisation schedule. For people with HIV, there are some specific recommendations and warnings regarding some vaccines. This sheet contains information and guidance that may be useful when discussing this matter with the medical team that attends you.

## VACCINATION RECOMMENDATIONS FOR PEOPLE WITH HIV



Vaccine	Dose	Comments
<b>Pneumococcus</b> <b>• PCV13:</b> Pneumococcal conjugate vaccine against 13 types of bacteria <b>• PPSV23:</b> Pneumococcal polysaccharide non-conjugate vaccine against 23 types of bacteria	2 doses in 8 weeks	<b>Unvaccinated adults:</b> 1 dose of PCV13 and then a dose of PPSV23 (at least 8 weeks later) <b>Adults vaccinated with PPSV23:</b> • 1 dose of PCV13 at least 1 year after the last dose of PPSV23; or • 1 dose of PPSV23 every year for 5 years
<b>Flu</b>	1 dose each year	• It should be administered every year • Inactivated non-replicating vaccine should be used
<b>Hepatitis B (HBV)</b>	3 or 4 doses in 6 months	• Three high-dose injections (0, 1 and 6 months) should be administered or, • Four low-dose injections (0, 1, 2 and 6 months) should be administered • Check antibody levels and, if insufficient, administer three further high-dose injections monthly or revaccinate following the same schedule
<b>Hepatitis A (HAV)</b>	2 or 3 doses in a 6-month period	• A two-dose schedule (0, 6 months) is recommended for people with CD4 counts of over 350 cells/mm <sup>3</sup> • A three-dose schedule (0, 1 and 6 months) is recommended for people with CD4 counts of under 350 cells/mm <sup>3</sup>

**gt** grupo de trabajo sobre tratamientos del VIH  
 ENTIDAD DECLARADA DE UTILIDAD PÚBLICA  
 ONG DE DESARROLLO

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Vaccine	Dose	Comments
<p><b>Human papillomavirus (HPV)</b></p> <ul style="list-style-type: none"> <li>• <b>HPV bivalent vaccine:</b> Protection against 2 types of HPV</li> <li>• <b>Tetravalent vaccine:</b> Protection against 4 types of VPH</li> <li>• <b>Nonavalent vaccine:</b> Protection against 9 types of VPH</li> </ul>	3 doses in a 6-month period (0, 1-2 and 6)	<ul style="list-style-type: none"> <li>• The vaccine is recommended for people with HIV up to 26 years old or 45 years old, depending on the autonomous community</li> <li>• The nonavalent vaccine is recommended</li> <li>• See sheet number 147</li> </ul>
<p><b>Meningococcus</b></p> <ul style="list-style-type: none"> <li>• <b>MenC:</b> Meningococcal sero-group C conjugate vaccine</li> <li>• <b>MenACWY:</b> Meningococcal serogroups A, C, W and Y conjugate vaccine (MenACWY)</li> </ul>	2 doses (0, 2 months)	<ul style="list-style-type: none"> <li>• The MenACWY vaccine is recommended</li> <li>• A booster dose after 5 years should be assessed</li> </ul>
<p><b>Tetanus</b></p>	5 doses. Additional doses every 10 years should be assessed	<ul style="list-style-type: none"> <li>• If the person is properly vaccinated (5 doses), booster doses every 10 years may be assessed in cases where there is risk of exposure</li> </ul>
<p><b>SARS-CoV-2 (COVID-19)</b></p> <ul style="list-style-type: none"> <li>• ARNm vaccine (Comirnaty®; Pfizer)</li> <li>• ARNm vaccine (Spikevax®; Moderna)</li> </ul>	2 doses (0-21 days or 0-28 days) or 1 dose. In some circumstances an additional dose should be assessed	<ul style="list-style-type: none"> <li>• ARNm vaccines are recommended for people with HIV with a weakened immune system (&lt;200 cells/mm<sup>3</sup>)</li> <li>• An additional dose of the vaccine administered should be assessed for people with a CD4 count of under 200 cells/mm<sup>3</sup>, at least 28 days after the second dose of the vaccination schedule</li> <li>• See sheet number 168</li> </ul>
<p><b>Triple viral</b></p>	2 doses (0, 1 month)	<ul style="list-style-type: none"> <li>• It is recommended for measles seronegative patients if their CD4 count has been over 200 cells/mm<sup>3</sup> for at least 6 months</li> <li>• For rubella seronegative females if their CD4 count has been over 200 cells/mm<sup>3</sup> for at least 6 months.</li> </ul>
<p><b>Varicella (chicken pox)</b></p>	2 doses (0 and 3 months)	<ul style="list-style-type: none"> <li>• It is recommended for varicella seronegative patients if their CD4 count is over de 200 cells/mm<sup>3</sup></li> <li>• The tetra viral vaccine should not be used</li> </ul>



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**Note:** The contents of this sheet were drafted in September 2021. The recommendations may therefore not be up-to-date. The information is not intended to replace advice from a health professional. Health decisions should always be taken after consulting health professionals.

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**Source:** Workgroup for vaccination among the adult population and risk groups of the Committee for Immunization Programme and Registry. Vaccination among risk groups of all ages and in specific situations. Public Health Committee of the Interterritorial Council of the Spanish National Health Service. Ministry of Health, Consumer Affairs and Social Welfare, July 2018.

COVID-19 Vaccination Technical Workgroup of the Committee for Immunisation Programme and Registry. COVID-19 vaccination strategy in Spain. Update 9 amended. 2 November 2021.

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