## Vaccinations for Adults with Hepatitis C Virus Infection

Adults who are infected with hepatitis C virus (HCV) need to make sure they're fully vaccinated. Seventy percent of people who are infected with HCV have chronic liver disease. People with chronic liver disease have special vaccination needs including pneumococcal vaccine and hepatitis A vaccine. Getting immunized is a lifelong, lifeprotecting job. Make sure you and your health-care professional keep your shots up-to-date! Don't leave your clinic without making sure that you've had all the shots you need.

Hepatitis A*	Hepatitis A vaccine is recommended for people with chronic liver disease. It is also recommended before travel to certain countries. Some of the ways you can get hepatitis A are from contaminated food or water, or illegal drug use. The best way to protect yourself from hepatitis A is by vaccination. Talk to your doctor.			
	first dose now		second dose 6–12 months later	
Hepatitis B*	A person who has hepatitis C can still get hepatitis B. Thirty percent of people who contract hepatitis B do not know how they contracted the disease. Some of the risk factors include sex, sharing needles, sharing toothbrushes, and being a health-care worker. The best way to protect yourself from hepatitis B is through vaccination. Talk to your doctor.			
	first dose now	second dose one month later	third dose is usually after the se	/ given five months econd dose
Pneumococcal	The pneumococcal vaccine is recommended for all people aged 2 and older who have chronic liver disease or certain other chronic illnesses. It is also recommended for all persons who are aged 65 and older. Some individuals with particular health risks will need a one-time revaccination dose 5 years later or at age 65. Consult your doctor.			
<b>Influenza</b> "flu shot"	Influenza can result in serious illness or complications. The "flu shot" is recommended every fall for people aged 50 and older. Although the vaccine is not specifically recommended for persons with chronic liver disease, it can be given to any person (regardless of age) who wishes to reduce the likelihood of becoming ill with influenza. Influenza vaccine is also recommended for women who will be in their 2nd or 3rd trimester of pregnancy during "flu" season; residents of long-term care facilities; anyone who has a medical problem such as heart or lung disease (including asthma), diabetes, kidney disease, or an immune system weakened by disease or medication; and those who work with or live with any of these individuals.			
Tetanus, diphtheria (Td)	If you haven't had at least 3 basic tetanus–diphtheria shots in your lifetime, you need to complete the series listed below. All adults need a booster dose			
often referred to as "tetanus shot"	first dose now	second dose 4 weeks later	third dose 6–12 months after the second dose	every 10 years
Measles, mumps, rubella	One dose of MMR is recommended for people born in 1957 or later if they have not been previously vaccinated. (A second dose of MMR may be required in some work or school settings, or recommended for international travel.) People born before 1957 are usually considered immune.			
Varicella for those who have never had chickenpox	first dose now		second dose 4–8 weeks later	

\* In 1997, the NIH Consensus Development Conference recommended that hepatitis A and B vaccines be given to all persons who are infected with hepatitis C virus. To obtain a copy of the NIH Consensus Statement, "Management of Hepatitis C," call (888) 644-2667.

For more information about hepatitis C, call the Centers for Disease Control and Prevention's toll-free hotline at (888) 443-7232, the American Liver Foundation at (800) 223-0179, the Hepatitis Foundation International at (800) 891-0707, or visit www.cdc.gov/hepatitis

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