

August 2024

Dear colleague,

Update on vaccination and immunisation

We are writing to confirm the provision of routine vaccination and immunisation for patients with chronic kidney disease.

[Complete routine immunisation schedule from 1 July 2024 - GOV.UK \(www.gov.uk\)](https://www.gov.uk)

Patients with nephrotic syndrome, chronic kidney disease at stages 4 and 5 and those on kidney dialysis or with kidney transplantation should be vaccinated at the time of diagnosis and then as per the [Green Book vaccination schedule](#).

SNOMED codes and GP IT systems allow the recording of the doses in electronic health records.

Patient charities have aided communication around vaccines suggested to patients and carers [Holiday / Travel vaccinations in transplant patients | National Kidney Federation](#), [Shingles vaccination recommendation | Kidney Care UK](#)

Please utilise the table below to aid vaccination of your patients who fall into this high-risk group.

Vaccine table for kidney patients

	Glomerulonephritis on immunosuppression	CKD	Dialysis	Transplant workup	Post-transplant
Influenza	Annually	Annually	Annually	Annually	Annually
Pneumococcal (23-valent PPV)	Vaccine and booster every 5 years	Vaccine and booster every 5 years for patients with CKD stages 4&5	Vaccine and booster every 5 years	Vaccine and booster every 5 years	Vaccine and booster every 5 years
COVID	Augmented SARS-CoV-2 vaccine schedule, and seasonal booster doses when available	Augmented SARS-CoV-2 vaccine schedule, and seasonal booster doses when available for CKD at stage 3-5.	Augmented SARS-CoV-2 vaccine schedule, and seasonal booster doses when available	Augmented SARS-CoV-2 vaccine schedule, and seasonal booster doses when available	Augmented SARS-CoV-2 vaccine schedule, and seasonal booster doses when available
Hepatitis B	Hepatitis B vaccine using the high dose hepatitis B vaccine For some higher risk patients, we may suggest Hepatitis B surface antibody (HBsAb) levels checked every year, and if HBsAb titres <10 mIU/mL administer booster dose	Should be vaccinated as soon as it is anticipated that haemodialysis or transplantation is required. CKD stage 4&5. The vaccines formulated for use in patients with chronic renal insufficiency should be used	Hepatitis B vaccine using the high dose hepatitis B vaccine Hepatitis B surface antibody (HBsAb) levels should be rechecked annually and if HBsAb titres <10 mIU/mL, administer a booster dose	Hepatitis B vaccine using the high dose hepatitis B vaccine Hepatitis B surface antibody (HBsAb) levels should be rechecked annually and if HBsAb titres <10 mIU/mL, administer a booster dose	Hepatitis B surface antibody (HBsAb) levels should be rechecked annually and if HBsAb titres <10 mIU/mL, administer a booster dose
Shingrix	Shingrix® inactivated Varicella Zoster Virus (shingles) vaccine if 50 years of age or older	Individuals aged 50 years and above with severe immunosuppression (see Green book) should be offered Shingrix® vaccination as should individuals anticipating immunosuppressive therapy		Shingrix® inactivated Varicella Zoster Virus (shingles) vaccine if 50 years of age or older	Shingrix® inactivated Varicella Zoster Virus (shingles) vaccine if 50 years of age or older
Human papillomavirus (HPV)	HPV vaccine for males and females between 9-25 years of age (using 3-dose schedule). For some higher risk patients, we may suggest HPV vaccine outside of this age range	HPV vaccine for males and females between 9-25 years of age (using 3-dose schedule). For some higher risk patients, we may suggest HPV vaccine outside of this age range	HPV vaccine for males and females between 9-25 years of age (using 3-dose schedule). For some higher risk patients, we may suggest HPV vaccine outside of this age range	HPV vaccine for males and females between 9-25 years of age (using 3-dose schedule). For some higher risk patients, we may suggest HPV vaccine outside of this age range	HPV vaccine for males and females between 9-25 years of age (using 3-dose schedule). For some higher risk patients, we may suggest HPV vaccine outside of this age range
VZV (chicken pox)				Patients who are VZV IgG negative should be vaccinated prior to transplantation. As a live attenuated vaccine, VZV vaccine should not be administered post transplant	
Measles				Patients who are measles IgG negative should be vaccinated prior to transplantation. As a live attenuated vaccine, measles vaccine should not be administered post transplant	