

# The Pneumococcal Vaccine and Kidney Disease



The pneumococcal vaccine(s) protect against the *Streptococcus pneumoniae* bacteria which causes invasive pneumococcal disease (IPD).

## SYMPTOMS OF IPD

- Cough
- Fever, shaking, and chills
- Shortness of breath
- Chest pain
- Fatigue
- Nausea, vomiting, or diarrhea

## COMPLICATIONS OF IPD

- Pneumonia
- Heart, lung, and nervous system inflammation
- Severe blood infection

## PNEUMOCOCCAL VACCINE DOSAGE AND TIMING RECOMMENDATIONS

KIDNEY PATIENT (PRE-DIALYSIS)	DIALYSIS PATIENTS	TRANSPLANT PATIENTS
<ul style="list-style-type: none"><li>• 1 dose of <b>PCV20</b> or <b>PCV21</b>* regardless of prior pneumococcal vaccination (if needed).</li></ul>	<ul style="list-style-type: none"><li>• 1 dose of <b>PCV20</b> or <b>PCV21</b>* regardless of prior pneumococcal vaccination.</li><li>• May be offered additional doses if needed.</li></ul>	<ul style="list-style-type: none"><li>• 1 dose of <b>PCV20</b> or <b>PCV21</b>* regardless of prior pneumococcal vaccination.</li><li>• Should receive the pneumococcal vaccine at least 2 weeks prior to surgery (if not offered in adulthood or immunity is low).</li></ul>

\*A series of PCV15 followed by PPSV23 8 weeks apart may be offered if PCV20 or PCV21 are unavailable.

## WHICH PNEUMOCOCCAL VACCINE SHOULD KIDNEY PATIENTS GET?

- There are 6 non-live vaccines approved in Canada (**PCV10, PCV13, PCV15, PCV20, PCV21, and PPSV23**)\*\*.
- PCV20 or PCV21 is preferred because it protects against more types of the pneumococcal bacteria.

**If you have been previously vaccinated with PPSV23:** PCV20 or PCV21 vaccination is recommended after 1 year. A shorter time period may be offered for those who are immunocompromised or about to start immunosuppressant medications.

**If you have been previously vaccinated with PCV13 or PCV15:** PCV20 or PCV21 vaccination is recommended after a minimum of 8 weeks after.

**Talk to your healthcare team to determine when you should be vaccinated and which vaccine.**

## PNEUMOCOCCAL VACCINE SAFETY FOR KIDNEY PATIENTS

- Previous pneumococcal vaccines have been shown to be safe in people with kidney health concerns.
- PCV21 is newer so there is less information available about its safety, especially for specific risk groups.
- There is currently no evidence to suggest that vaccination with PCV20 or PCV21 would change or worsen kidney function.

\*\*Vaccine availability and coverage may vary across the country.

**Always follow the advice and recommendations of your healthcare team to determine which vaccines are right for you and when.**