



Pneumococcal Vaccine Timing for Adults

Make sure your patients are up-to-date!

Age 19 through 64 years with underlying conditions*:

A
HIGH RISK
Immunocompetent persons
• heart disease • diabetes mellitus • alcoholism • liver disease • lung disease • cigarette smoking

PPSV 23

B
HIGHER RISK
Immunocompetent persons
• cerebrospinal fluid leak
• cochlear implant

PCV 13

8 weeks

PPSV 23

C
HIGHEST RISK
Immunocompromised persons
• chronic renal failure
• nephrotic syndrome
• asplenia

PCV 13

8 weeks

PPSV 23

5 years

PPSV 23

* See the reverse of this document for a more complete list of immunocompromised and underlying medical conditions.

- Notes:**
- If PCV13 was given previously (either as a complete series or at least 1 dose ≥ 6 yrs.), no additional PCV13 dose is needed.
 - If PPSV23 (Pneumovax®23) given previously, wait **1 year** before giving PCV13 (Pevnar 13®).
 - For group **C** above, wait at least **5 years** before giving a second dose of PPSV23.
 - If either vaccine is inadvertently given earlier than the recommended window, do not repeat the dose.
 - **No more than 2 doses of PPSV23 are recommended before 65th birthday and 1 dose thereafter.**

Age 65 years or older:

- If PCV13 was given before age 65 years, **no additional PCV13 dose is needed.**

No history of pneumococcal vaccines

PCV 13

1 year, except...

if group **B** or **C** above, then the interval is **8 weeks**

PPSV 23

Received PPSV23 before age 65

1 year

PCV 13

1 year, except...

if group **B** or **C** above, then the interval is **8 weeks**;
ALWAYS ensure **5 years** between PPSV23 doses

PPSV 23

Received PPSV23 at age 65 or older

1 year

PCV 13

DO NOT ADMINISTER PCV13 AND PPSV23 AT THE SAME VISIT.
When both are indicated, PCV13 should be given before PPSV23 whenever possible.

Note: When indicated, PCV13 and PPSV23 should be administered to adults whose pneumococcal vaccination history is incomplete or unknown. The Michigan Department of Health and Human Services (MDHHS) strongly encourages the reporting of all adult vaccine doses to the Michigan Care Improvement Registry (MCIR, see www.MCIR.org). Report adult doses to ensure accurate immunization status information and assure quality preventive care. For further pneumococcal vaccination details, see: www.cdc.gov/vaccines/hcp/acip-recs/vacc-specific/pneumo.html.

Indications for PCV13 and PPSV23 Administration for Adults Age 19 through 64 Years by Risk Group

Risk Group	Underlying Medical Condition	PCV13	PPSV23	
		Recommend	Recommend	Revaccinate 5 Years After 1 st PPSV23 Dose
Immunocompetent persons	Chronic heart disease ¶		✓	
	Chronic lung disease §		✓	
	Diabetes mellitus		✓	
	Alcoholism		✓	
	Chronic liver disease, cirrhosis		✓	
	Cigarette smoking		✓	
Immunocompetent persons*	Cerebrospinal fluid leak	✓	✓	
	Cochlear implant	✓	✓	
Immunocompromised persons*	Congenital or acquired immunodeficiency †	✓	✓	✓
	HIV	✓	✓	✓
	Chronic renal failure	✓	✓	✓
	Nephrotic syndrome	✓	✓	✓
	Leukemia	✓	✓	✓
	Lymphoma	✓	✓	✓
	Hodgkin disease	✓	✓	✓
	Generalized malignancy	✓	✓	✓
	Iatrogenic immunosuppression **	✓	✓	✓
	Solid organ transplant	✓	✓	✓
	Multiple myeloma	✓	✓	✓
Persons with functional or anatomic asplenia*	Sickle cell disease/other hemaglobinopathy	✓	✓	✓
	Congenital or acquired asplenia	✓	✓	✓

* See groups **B** and **C** on the reverse of this document for timing of these doses.

¶ Includes congestive heart failure and cardiomyopathies, excludes hypertension.

§ Includes chronic obstructive pulmonary disease, emphysema, and asthma.

† Includes B- (humoral) or T-lymphocyte deficiency, complement deficiencies (particularly C1, C2, C3, and C4 deficiencies), and phagocytic disorders (excluding chronic granulomatous disease).

** Diseases that require treatment with immunosuppressive drugs, includes long-term systemic corticosteroids and radiation therapy.

Pneumococcal Vaccine Summary:

2 pneumococcal vaccines may be recommended for adults:

- 13-valent pneumococcal conjugate vaccine (PCV13, Prevnar 13®).
- 23-valent pneumococcal polysaccharide vaccine (PPSV23, Pneumovax®23).

If both are indicated based on age and/or risk condition:

- PCV13 and PPSV23 should NOT be administered during the same office visit.
- PCV13 should be given before PPSV23 whenever possible.

Why is it recommended to give PCV13 first?

Despite PPSV23 protecting against 23 serotypes, when given first, PCV13 gives the BEST immune response. <http://bit.ly/2yLMRVs>

If either vaccine is inadvertently given earlier than the recommended window, do not repeat the dose.

For adults who are recommended pneumococcal vaccination and have no insurance / insurance that doesn't cover vaccine cost:

- May qualify for free or low cost vaccines through the Michigan Adult Vaccine Program ([MI-AVP](#)).
- For more information, visit: www.michigan.gov/vfc/ and click on "Michigan Adult Vaccine Program (MI-AVP)."