

# Pneumococcal Vaccine Recommendations for Adults 19-49 Years Old<sup>1</sup>

## Pneumococcal Vaccine History

Immunocompromising condition<sup>2</sup>, CSF leak, or cochlear implant

Chronic condition<sup>3</sup>

None or PCV7 Only (at any age)

**PCV21, PCV20, or PCV15 x 1 dose**  
(if PCV15 is used, give PPSV23 x 1 dose ≥8 weeks later)

**PCV21, PCV20, or PCV15 x 1 dose**  
(if PCV15 is used, give PPSV23 x 1 dose ≥1 year later; PCV21 or PCV20 can be used if PPSV23 not available)

PCV15 Only

**PPSV23 x 1 dose ≥8 weeks after PCV15**  
(PCV20 or PCV21 can be used if PPSV23 not available)

**PPSV23 x 1 dose ≥1 year after PCV15**  
(PCV20 or PCV21 can be used if PPSV23 not available)

PPSV23 Only

**PCV21, PCV20, or PCV15 x 1 dose ≥1 year after last PPSV23 dose**

**PCV21, PCV20, or PCV15 x 1 dose ≥1 year after last PPSV23 dose**

PCV13 Only

**PCV21 or PCV20 x 1 dose ≥1 year after PCV13**

**PCV21 or PCV20 x 1 dose ≥1 year after PCV13**

PCV13 + 1 dose PPSV23

**PCV21 or PCV20 x 1 dose ≥5 years after last PCV13 or PPSV23 dose**  
(or give no additional vaccines for patients with CSF leak or cochlear implant and review recommendations again at 50 years old)

No additional vaccines recommended at this time; review vaccine recommendations again at 50 years old

PCV13 + 2 doses PPSV23

**PCV21 or PCV20 x 1 dose ≥5 years after last PCV13 or PPSV23 dose** (for CSF leak or cochlear implant, no additional vaccines needed and review vaccine recommendations again at 50 years old; also an option for immunocompromised persons)

No additional vaccines recommended at this time; review vaccine recommendations again at 50 years old

PCV15 + PPSV23 at any age

No additional vaccines recommended at this time; review vaccine recommendations again at 50 years old

No additional vaccines recommended at this time; review vaccine recommendations again at 50 years old

PCV20 or PCV21

No additional vaccines recommended at this time; review vaccine recommendations again at 50 years old

No additional vaccines recommended at this time; review vaccine recommendations again at 50 years old

PCV = pneumococcal conjugate vaccine  
PPSV = pneumococcal polysaccharide vaccine

1. CDC. Summary of risk-based pneumococcal vaccination recommendations. 2025 May 24. Available at: [www.cdc.gov/pneumococcal/hcp/vaccine-recommendations/risk-indications.html](https://www.cdc.gov/pneumococcal/hcp/vaccine-recommendations/risk-indications.html). Accessed July 21, 2025; CDC. Pneumococcal vaccine timing for adults. Available at [www.cdc.gov/pneumococcal/downloads/vaccine-timing-adults-jobaid.pdf](https://www.cdc.gov/pneumococcal/downloads/vaccine-timing-adults-jobaid.pdf). Accessed July 21, 2025.
2. Immunocompromising conditions include chronic renal failure, nephrotic syndrome, immunodeficiency, iatrogenic immunosuppression, generalized malignancy, HIV infection, Hodgkin disease, leukemia, lymphoma, multiple myeloma, solid organ transplant, congenital or acquired asplenia, or sickle cell disease or other hemoglobinopathies.
3. Chronic conditions include alcoholism, chronic heart disease (including congestive heart failure and cardiomyopathies), chronic liver disease, chronic lung disease (including chronic obstructive pulmonary disease, emphysema, and asthma), cigarette smoking, and diabetes mellitus.