Use of Pneumococcal Vaccines (PCV13, PPSV23) for Adults

### Risk Groups Recommended for PPSV23 (Pneumococcal Polysaccharide Vaccine)

**Vaccinate persons aged 19-64 years:**
- With asthma or who smoke cigarettes

**Vaccinate persons aged 2-64 years:**
- With chronic cardiovascular disease (including congestive heart failure, cardiomyopathies), chronic pulmonary disease (including COPD and emphysema) or diabetes mellitus
- With alcoholism or chronic liver disease (including cirrhosis)
- Within environments or settings with identified increased risk
- Who have a cerebrospinal fluid (CSF) leak or cochlear implant

**Vaccinate persons aged 2-64 years:**
- With functional or anatomic asplenia (including sickle cell disease and splenectomy)
- With immunocompromising conditions including HIV infection, leukemia, lymphoma, Hodgkin’s disease, multiple myeloma, generalized malignancy, chronic renal failure or nephrotic syndromes, congenital or acquired immunodeficiencies
- Receiving treatment using immunosuppressive drugs, including long-term systemic corticosteroids or radiation therapy
- Who have received solid organ transplantation

### Risk Groups Recommended for PCV13 (Pneumococcal Conjugate Vaccine)

**Vaccinate persons aged 19 years and older:**
- Who have a CSF leak or cochlear implant
- With functional or anatomic asplenia (including sickle cell disease and splenectomy)
- With immunocompromising conditions including HIV infection, leukemia, lymphoma, Hodgkin’s disease, multiple myeloma, generalized malignancy, chronic renal failure or nephrotic syndromes, congenital or acquired immunodeficiencies
- Receiving treatment using immunosuppressive drugs, including long-term systemic corticosteroids or radiation therapy
- Who have received solid organ transplantation

### Pneumococcal Vaccination for Persons Aged 65 Years and Older*

** Routinely vaccinate persons aged 65 years or older:**
- Who have never received 1 dose of PCV13
- Who have not received 1 dose of PPSV23 at/after age 65 years

**Persons age 65 years or older who have a condition listed under “Risk Groups Recommended for PCV13” (i.e., asplenia, cochlear implant) should follow the interval schedule between PCV13 & PPSV23 described in that section.

### PPSV23 Schedule

- Persons with one or more of these risk factors should receive:
  - 1 dose of PPSV23 between the ages of 2-64 years
  - 1 dose of PPSV23 at/after age 65 years
- Use a minimum interval of 5 years between PPSV23 doses

### PCV13 Schedule

- For all persons who are 19 years or older:
  - 1 dose of PCV13

- Preferred that PCV13 be given before any doses of PPSV23
  - If no previous doses of PPSV23, give PCV13 first & then give PPSV23 at least 8 weeks later.
  - If one or more doses of PPSV23 have been given, there should be a minimum interval of 1 year between the last PPSV23 & PCV13

- Continue to use a minimum interval of 5 years between two PPSV23 doses

### PCV13 and PPSV23 Schedule

- Intervals for person 65 years or older who need both PCV13 and PPSV23:
  - Administer PCV13 first (preferred)
  - Administer PPSV23 1 year later
  - If PPSV23 was administered 1st, wait 1 year to give PCV13
  - If one or more doses of PPSV23 was administered prior to age 65 years, ensure a minimum interval of 5 years after most recent dose of PPSV23

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1 For purposes of pneumococcal vaccination, CSF leaks & cochlear implants are considered high-risk immunocompetent conditions
2 If a previous dose of PCV13 has been administered, an additional dose is not recommended
3 If both vaccines are recommended, administer at separate visits. PCV13 first (preferred) then PPSV23, ensuring recommended intervals

Resources:
- Use of PCV13 & PPSV23 in Adults with Immunocompromising Conditions, ACIP Recommendations, MMWR 61(40) Oct. 12, 2012; Updated Recommendations for Prevention of Invasive Pneumococcal Disease in Adults using PPSV23, MMWR 59(24) September 10, 2010; Use of PCV13 and PPSV23 Among Adults aged 65 Years, MMWR 63(37) Sept 19, 2014 & Intervals Between PCV13 and PPSV23 Vaccines, MMWR 64(34) Sept. 4, 2015 Available at [www.cdc.gov/vaccines](http://www.cdc.gov/vaccines)

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