### CDC recommends pneumococcal vaccination for:
- Adults 65 years and older
- Adults 19 through 64 with underlying medical conditions or risk factors:
  - Alcohol use disorder
  - Cerebrospinal fluid leak
  - Chronic heart/liver/lung disease
  - Chronic renal failure
  - Cigarette smoking
  - Cochlear implant
  - Congenital or acquired asplenia
  - Congenital or acquired immunodeficiency
  - Diabetes
  - HIV infection
  - Hodgkin disease
  - Iatrogenic immunosuppression
  - Leukemia and lymphoma
  - Malignancy
  - Multiple myeloma
  - Nephrotic syndrome
  - Sickle cell disease or other hemoglobinopathy
  - Solid organ transplant

### Timing of PCV20 in Pneumococcal vaccine naïve patients

<table>
<thead>
<tr>
<th>Underlying medical condition</th>
<th>19-64 years old</th>
<th>&gt;65 years old</th>
</tr>
</thead>
<tbody>
<tr>
<td>No underlying medical condition</td>
<td>Not recommended</td>
<td>Administer 1 dose of PCV20</td>
</tr>
<tr>
<td>Underlying medical condition or risk factor</td>
<td>Administer 1 dose of PCV20</td>
<td>No additional doses are indicated if PCV20 administered at a younger age</td>
</tr>
</tbody>
</table>

### Timing of PCV20 in patients that have received PCV13 and/or PPSV23 depending on condition

<table>
<thead>
<tr>
<th>Underlying medical condition</th>
<th>19-64 years old</th>
<th>&gt;65 years old</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>Not recommended</td>
<td>At least 8 weeks after PCV13*</td>
</tr>
<tr>
<td>Alcohol use disorder Chronic heart/liver/lung disease</td>
<td>- At least 8 weeks after PCV13 if inadvertently given - At least one year after PPSV23</td>
<td>- At least 8 weeks after PCV13 - At least one year after PPSV23</td>
</tr>
<tr>
<td>Cigarette smoking Diabetes mellitus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cochlear implant Cerebrospinal fluid leak</td>
<td>- At least 8 weeks after PCV13</td>
<td>- At least 8 weeks after PCV13 - At least one year after PPSV23</td>
</tr>
<tr>
<td>Chronic renal failure Congenital or acquired asplenia Congenital or acquired immunodeficiency Generalized malignancy HIV infection Hodgkin disease Leukemia and lymphoma Multiple myeloma Nephrotic syndrome Sickle cell disease/ other hemoglobinopathy Solid organ transplant</td>
<td>- At least 8 weeks after PCV13 - At least 1 year after PPSV23 dose</td>
<td>- At least 8 weeks after PCV13 - At least 1 year after last PPSV23 dose</td>
</tr>
</tbody>
</table>

PCV20 completes the pneumococcal vaccine series, no further vaccines needed

* if both PCV13 and PPSV23 given, series is already complete, no need for further vaccination

"Pneumococcal Vaccine Timing for Adults - Centers for Disease Control ..."
Edited by Centers for Disease Control and Prevention, Pneumococcal Vaccine Timing for Adults, 1 Apr. 2022,
For those who previously received PPSV23 but have not received any pneumococcal conjugate vaccine

- CDC previously recommended subset of conditions get PPSV23 at any age followed by PCV13 at age 65
- Minimal interval is 1 year from PPSV 23
- After PCV20 pneumococcal vaccinations are complete

PCV23  →  At least 1 year apart  →  PCV20

Adults 65 years or older without immunocompromising condition if PCV13 has already been given

- Previously CDC recommended PCV13 followed by PPSV23 at 1 year (or 8 weeks if increased risk of meningitis)
- PCV20 replaces PPSV23 in series
- After PCV20, pneumococcal vaccinations are complete

PCV13  →  At least 8 weeks  →  PCV20

Adults 19 years or older with a cerebrospinal fluid leak or cochlear implant if PCV13 has been given

- Previously CDC recommended PCV13 followed by PPSV23 at 8 weeks and at age 65 (so long as 5 years had passed)
- PCV20 replaces PPSV23 in the series, at least 8 weeks after PCV13 or 1 year after PPSV23
- After PCV20, pneumococcal vaccinations are complete

PCV13 (at any age)  →  At least 8 weeks  →  PPSV23 (at <65 years)  →  At least 1 year  →  PCV20 (at >65 years)

PCV20 (at age <65)

Adults 19 years or older with an immunocompromising condition if PCV13 has been given

- Previously CDC recommended PCV13 followed by PPSV23 at 8 weeks, 5 years, and at age 65
- PCV20 replaces next PPSV23 in series, can occur at any point in series as long as 8 weeks after PCV13 or 1 year after PPSV23
- After PCV20, pneumococcal vaccinations are complete

PCV13 (at any age)  →  At least 8 weeks  →  PPSV23 (at <65 years)  →  At least 5 years  →  PPSV23 (at <65 years)  →  At least 1 year  →  PCV20 (at >65 years)

PCV20 (at age <65)