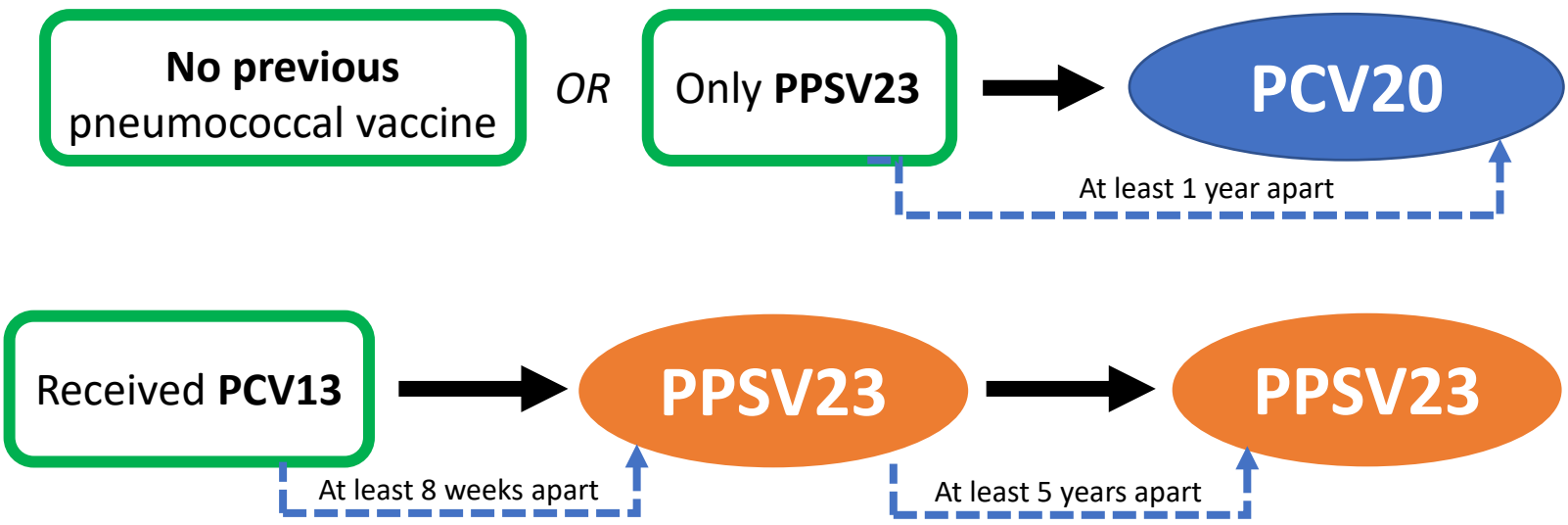
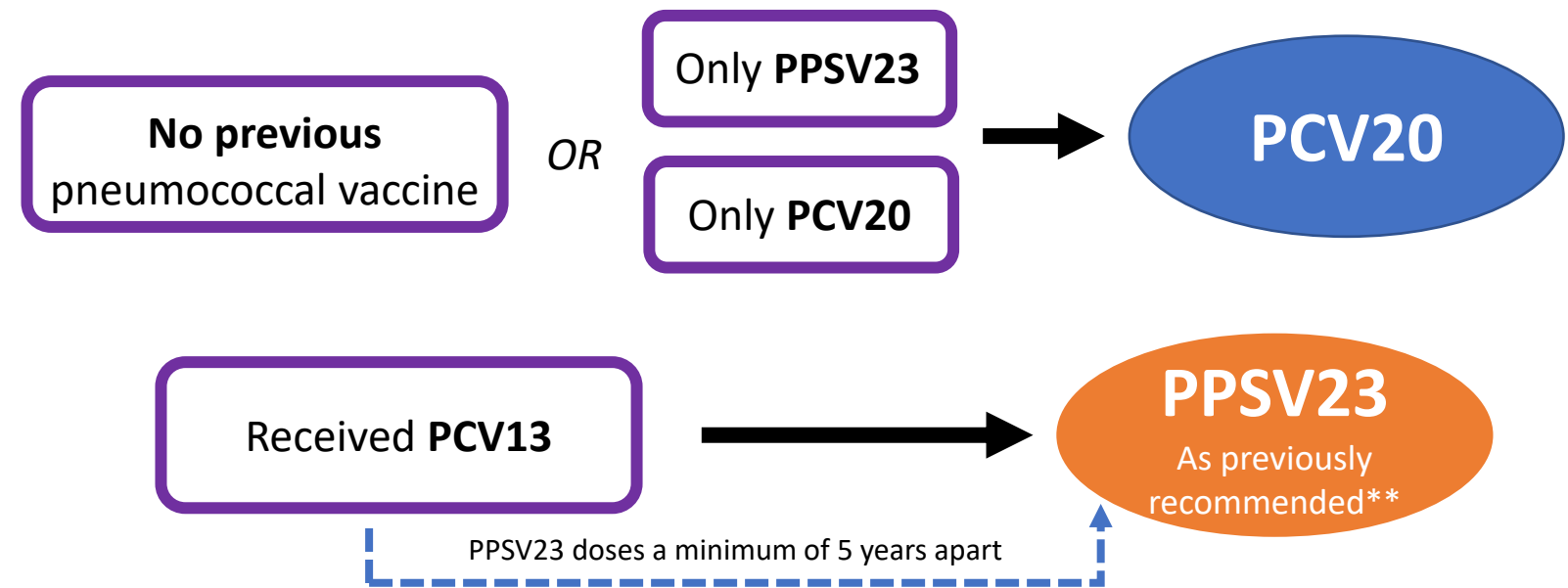


Adult Pneumococcal Vaccination Guidance

Adults Ages 19-64 with Certain Chronic Medical Conditions/Risk Factors*



Adults 65 Years or Older



* Chronic medical conditions or risk factors include alcoholism, cerebrospinal fluid leak, chronic heart disease (including congestive heart failure and cardiomyopathy), chronic liver disease, chronic lung disease (COPD, emphysema, asthma), chronic renal failure, cigarette smoking, cochlear implant, congenital or acquired asplenia, anogenital or acquired immunodeficiency (B- or T- lymphocyte deficiency, complement deficiency, phagocytic disorder [excluding chronic granulomatous disease]), diabetes mellitus, generalized malignancy, HIV, Hodgkin disease, iatrogenic immunosuppression (including long-term systemic corticosteroids and radiation), leukemia, lymphoma, multiple myeloma, nephrotic syndrome, sickle cell disease or other hemoglobinopathies, and solid organ transplant

** For adults who have received PCV13 but have not completed the series with PPSV23, and PPSV23 is not available, one dose of PCV20 may be given. If PCV20 is used, the pneumococcal series is complete.