

Pneumococcal Conjugate Vaccine

The National Advisory Committee on Immunization recommends pneumococcal conjugate vaccine for the following:

1) All children \leq 23 months of age

2) Children 24-59 months of age at higher risk of invasive pneumococcal disease

- Children who attend child care centres
- Children who are Aboriginal
- Children who have sickle cell disease and other sickle cell hemoglobinopathies
- Children with functional or anatomic asplenia
- Children with HIV infection
- Children with immunocompromising conditions (e.g., primary immunodeficiencies; malignancies; conditions resulting from immunosuppressive therapy, solid organ transplantation, or use of long-term systemic corticosteroids; nephrotic syndrome)
- Children with chronic medical conditions (e.g., chronic cardiac and pulmonary disease such as bronchopulmonary dysplasia, diabetes mellitus, chronic renal disease or CSF leak)
- Children with cochlear implants or those receiving cochlear implants

3) Others

- All other children in this age group should be encouraged to receive the vaccine even if they are not in the above groups

Contraindications and Precautions

Do **NOT** give the pneumococcal conjugate vaccine to:

- Children who have had an anaphylactic reaction to a previous dose

Dosage Schedule

The dose of the conjugate vaccine for all age groups is 0.5 mL.

See Canadian Immunization Guide for schedule by age

<http://www.phac-aspc.gc.ca/publicat/cig-gci/p04-pneu-eng.php>

Adverse Reactions

- Fever
- Redness, swelling and tenderness at the injection site may occur

Reference

National Advisory Committee on Immunization (NACI)

www.phac-aspc.gc.ca/naci-ccni/

More information

Canadian Coalition for Immunization Awareness & Promotion

immunize.ca

August 2010

For pneumococcal polysaccharide vaccine, see reverse.

Pneumococcal Polysaccharide Vaccine

The National Advisory Committee on Immunization recommends pneumococcal polysaccharide vaccine for the following:

- 1) All individuals \geq 65 years of age
- 2) All individuals $>$ 5 years of age who have not received the vaccine previously and who are at higher risk of invasive pneumococcal disease, including individuals:
 - who attend child care centres
 - who are Aboriginal
 - who have sickle cell disease and other sickle cell hemoglobinopathies
 - with functional or anatomic asplenia
 - with HIV infection
 - with immunocompromising conditions (e.g., primary immunodeficiencies; malignancies; conditions resulting from immunosuppressive therapy, solid organ transplantation, or use of long-term systemic corticosteroids; nephrotic syndrome)
 - with chronic medical conditions (e.g., chronic cardiac and pulmonary disease such as bronchopulmonary dysplasia, diabetes mellitus, chronic renal disease, cirrhosis or CSF leak)
 - with alcoholism
 - with cochlear implants or those receiving cochlear implants
 - who smoke

Contraindications and Precautions

Do **NOT** give the pneumococcal polysaccharide vaccine to:

- People who have had an anaphylactic reaction to a previous dose

Dosage Schedule

The dose of the polysaccharide vaccine for all age groups is 0.5 mL.

Adverse Reactions

- Soreness or redness at the injection site is common
- Occasional slight fever may occur
- Very rarely, moderate to severe reactions may occur

Other Considerations and Counseling Points

- Pneumococcal vaccine can be given at the same time as influenza vaccine, in the opposite arm
- Pneumococcal pneumonia is a complication of influenza
- Pneumococcal vaccine can be given year-round
- Most people only require a single pneumococcal polysaccharide vaccine in their lifetime; see the Canadian Immunization Guide for immunocompromised individuals <http://www.phac-aspc.gc.ca/publicat/cig-gci/p03-07-eng.php>

Reference

National Advisory Committee on Immunization (NACI) www.phac-aspc.gc.ca/naci-ccni/

More information

Canadian Coalition for Immunization Awareness & Promotion

immunize.ca

August 2010

For pneumococcal conjugate vaccine, see reverse.