

Efficacy of a Pneumococcal Conjugate Vaccination Program on Carriage and Immunity among High risk children in Phramongkutklao hospital and Thammasat hospital

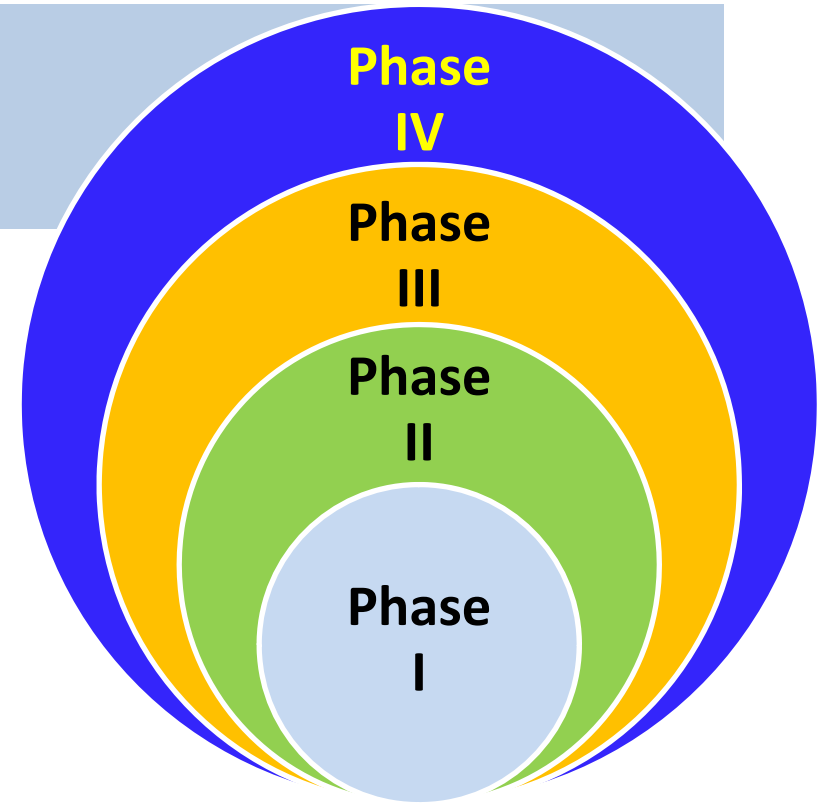
Bunjoungmanee P¹, Thunyaharn S² and Watanaveeradej V¹.

Pediatric infectious unit, Department of Pediatrics, Phramongkutklao Hospital¹

Department of Microbiology, Phramongkutklao Hospital²

Background

- **Pre-marketing trial**
: study in healthy children



Background

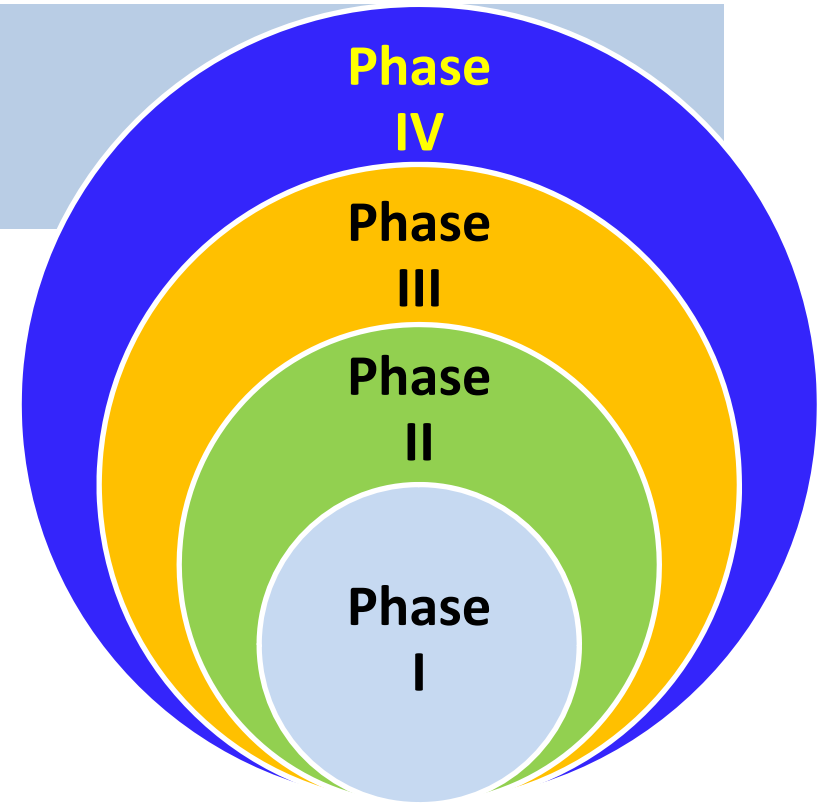
- **Pre-marketing trial**

: study in healthy children

: recommendation

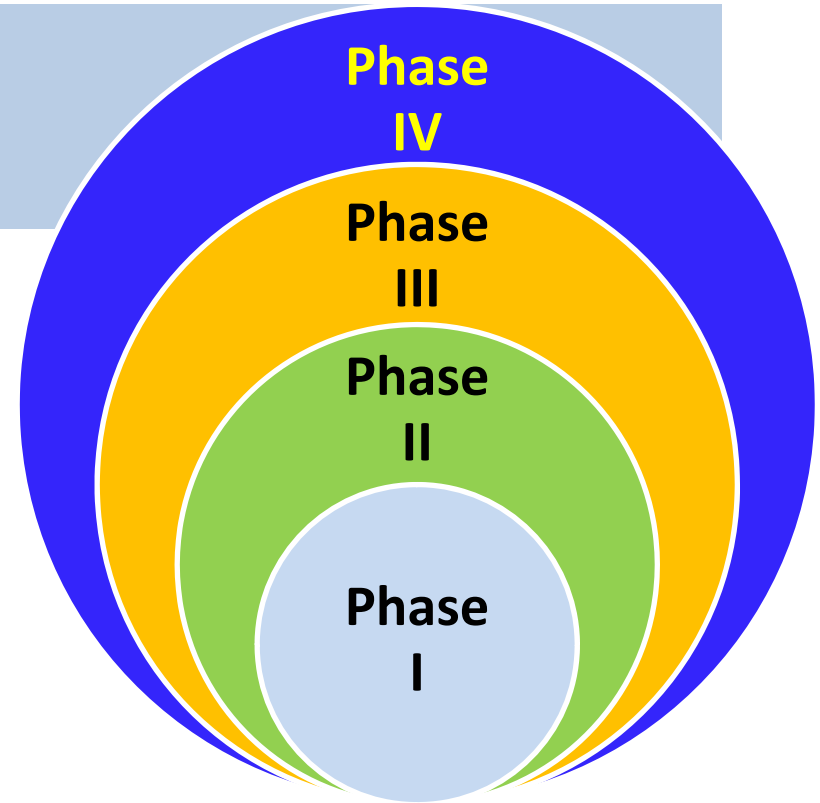
healthy children

high risk children



Background

- **Pre-marketing trial**
 - : study in healthy children
 - : recommendation
 - healthy children
 - high risk children
- **Post-marketing surveillance trial**



Safety	Immunogenicity	NP carriage
HIV ✓ Asplenia ✓ Sickle cell disease ✓ Preterm ✓ Chronic kidney disease ✓ Solid organ transplant ✓ etc	HIV ✓ Asplenia ✓ Sickle cell disease ✓ Preterm ✓ Chronic kidney disease ✓ Solid organ transplant ✓ etc	Sickle cell disease

Objective

- To study the efficacy of PCV7 on the **pneumococcal carriage** and **immunogenicity** in pneumococcal high risk children after completing PCV7 primary series.