TriVac Model ( $+\mid-20 \%$ change)

Serotype coverage of preumococci
Under 5 moralaly per 1000 live births Incidence of pneumococccal pneumonia (per 100,000 per year) Case fataility rate of pneumococcal pneumonia Coverage 20 years after vaccine introduced (dose 1) Vaccine efficacy of Pheumococcal pneumonia Coverage 20 years after vaccine introduced (dose 3 ) Incidence of invasive NPNM (per 100,000 per year)

Case fataltity rate of invasive NPNM Vaccine efficacy of Pneumococcal invasive NPMM Incidence of meningitis (per 100,000 per year) Total number of birth per year Vaccine coverage (dose 3 ) Life expectancy a b birth Prevalence of bacteremia Sp $<10 y$ (Cases per y) GPvisit $<10 y$ (AOM) proportion of Death



SUPREMES Model

| $\square$ |  |  | Serotype coverage of pneumococci |
| :---: | :---: | :---: | :---: |
| No Variable |  |  | Under 5 mortality per 1000 live births |
| No Variable |  |  | Incidence of pneumococcal pneumonia (per 100,000 per year) |
| ■ |  |  | Case fatality rate of preummococcal pneumonia |
| No Variable |  |  | Coverage 20 years after vaccine introduced (dose 1) |
|  |  |  | Vaccine efficacy of Preumococcal pneumonia |
| No Variable |  |  | Coverage 20 years after vaccine introduced (dose 3 ) |
| No Variable |  |  | Incidence of invasive NPMM (per 100,000 per year) |
|  |  |  | Case fatalality rate of invasive NPMM |
|  |  |  | Vaccine efficacy of Preumococcal invasive NPMM |
| No Variable |  |  | Incidence of meningtitis (per 100,000 per year) |
| Undetectable Effect |  |  | Total number of birth per year |
| $\square$ |  |  | Vaccine coverage (dose 3) |
| - |  |  | Life expectancy at birth |
|  |  |  | Prevalence of bacterenia Sp < 10 y (Cases per y ) |
|  |  |  | GPvisit $<10 y$ (AOM) |
|  |  |  | proportion of Death |
| -10 010 | 20 | 30 |  |
| Percent Change |  |  |  |

Under 5 mortality per 1000 live births

Case fataltity rate of pneummococcal pneumonia
Is after vaccine introucced (dose 1 )

Case fatalaly rate of invasive NPVM
Vaccine efficacy of Pheumococcal invasive NPN

Total number of birth per year
Vaccine coverage (dose 3)
Life expectancy at birth
emia Sp < $10 y$ (Cases per y)

40

Percent Change Percent Change

