

Which age
groups should be
targeted for mass
vaccination
campaigns?

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Considerations

Conjugate vaccines work due to a combination of direct and indirect (herd) protection

Mass campaigns provide both, **if** the age groups driving transmission are included

- MenC campaigns in UK and Netherlands
- MenAfriVac implementation across the meningitis belt

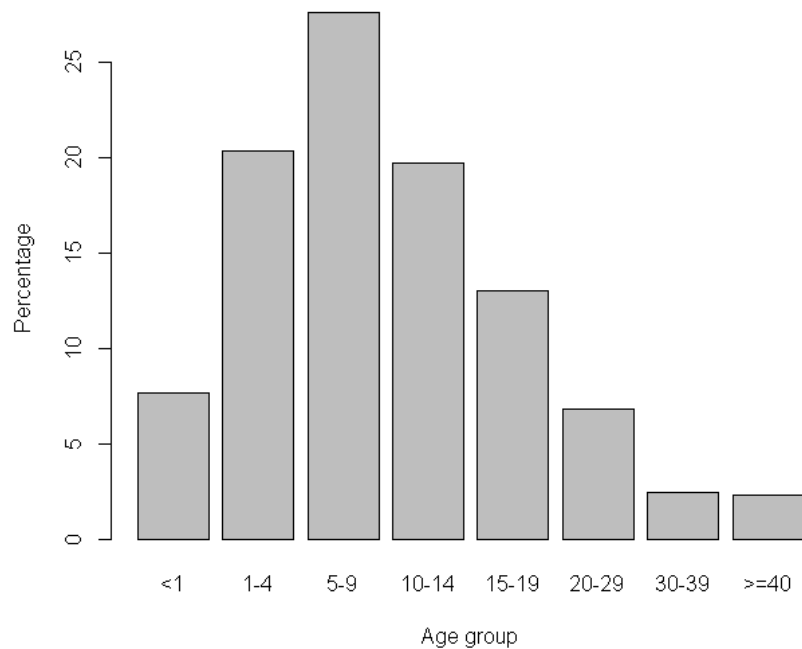
Models can be useful in simulating a wide range of options to investigate e.g.

- changes to UK MenC schedule
- long term strategies for MenAfriVac
- age targets for multivalent meningococcal vaccines

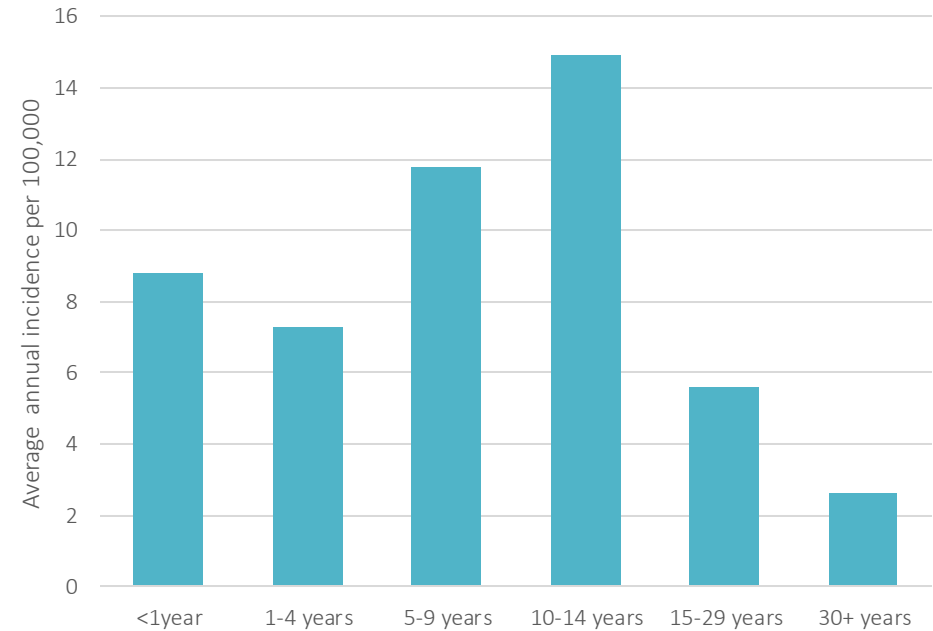


Good data needed
on age-specific risks

Direct protection: Age-specific risk of meningitis

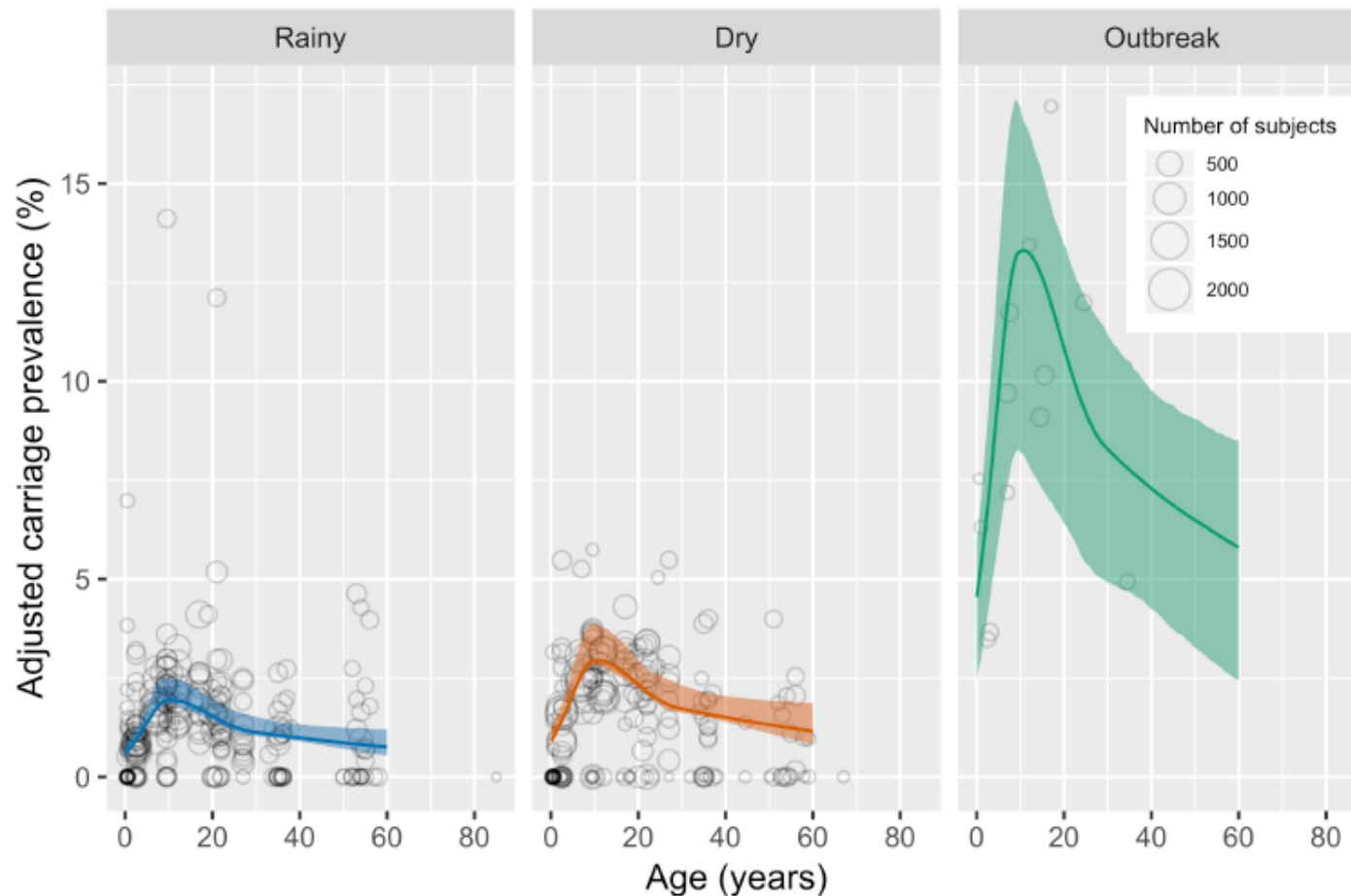


Age distribution of Nm disease in Niger, Campagne et al, Bull WHO 1999



Age-specific incidence of Nm disease in Burkina Faso, Chad, Mali, Niger, Togo reported to MenAfriNet. Soeters et al JID 2019

Indirect protection: Age-specific prevalence of carriage



Systematic review and meta-analysis of meningococcal carriage prevalence in Africa shows peak around 10-12 years of age.

But this peak is much less marked than in the analysis of studies in high income countries

Campaigns 1-29 years vs 1-18 years

Routine EPI plus reactive
vaccination (1-29)



Base Prime

*Routine EPI plus 1-18
year old campaign

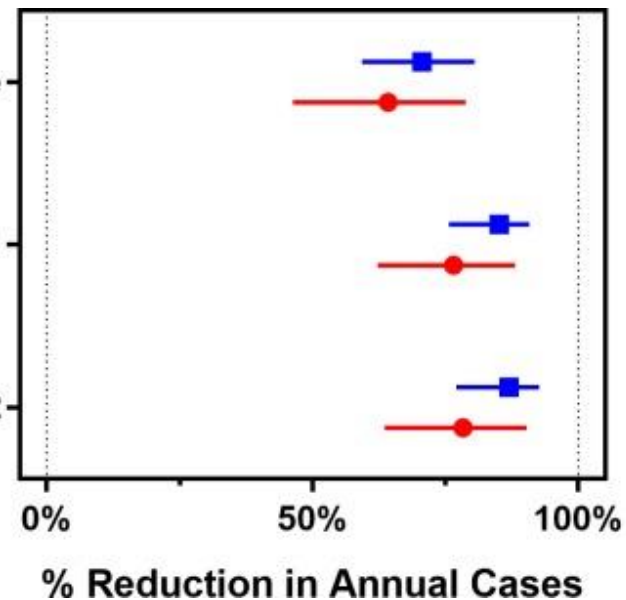


Prevention 1

*Routine EPI plus 1-29
year old campaign

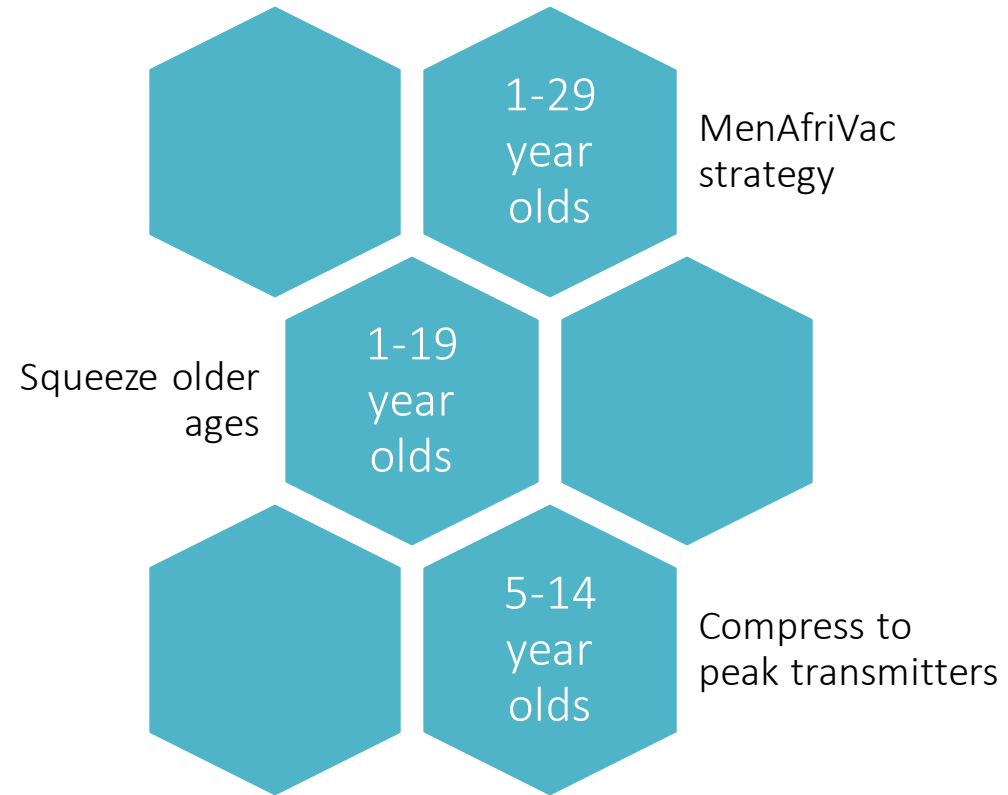


Prevention 2

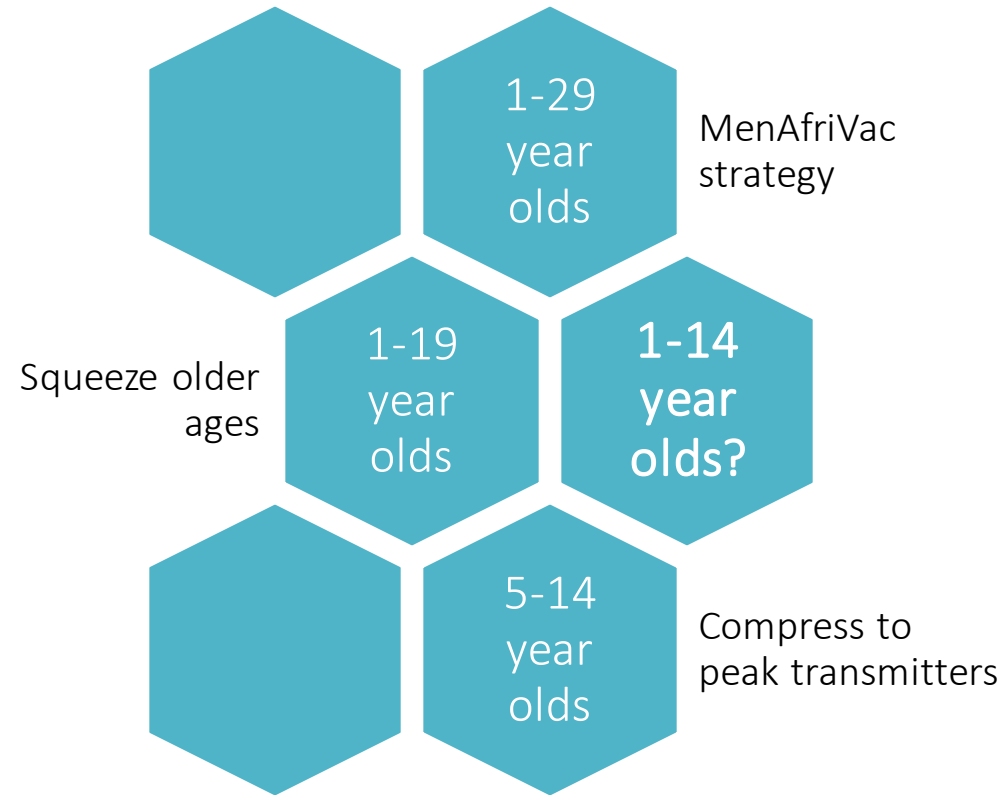


■ No Strain Replacement
● With Strain Replacement

A range of options



A range of options

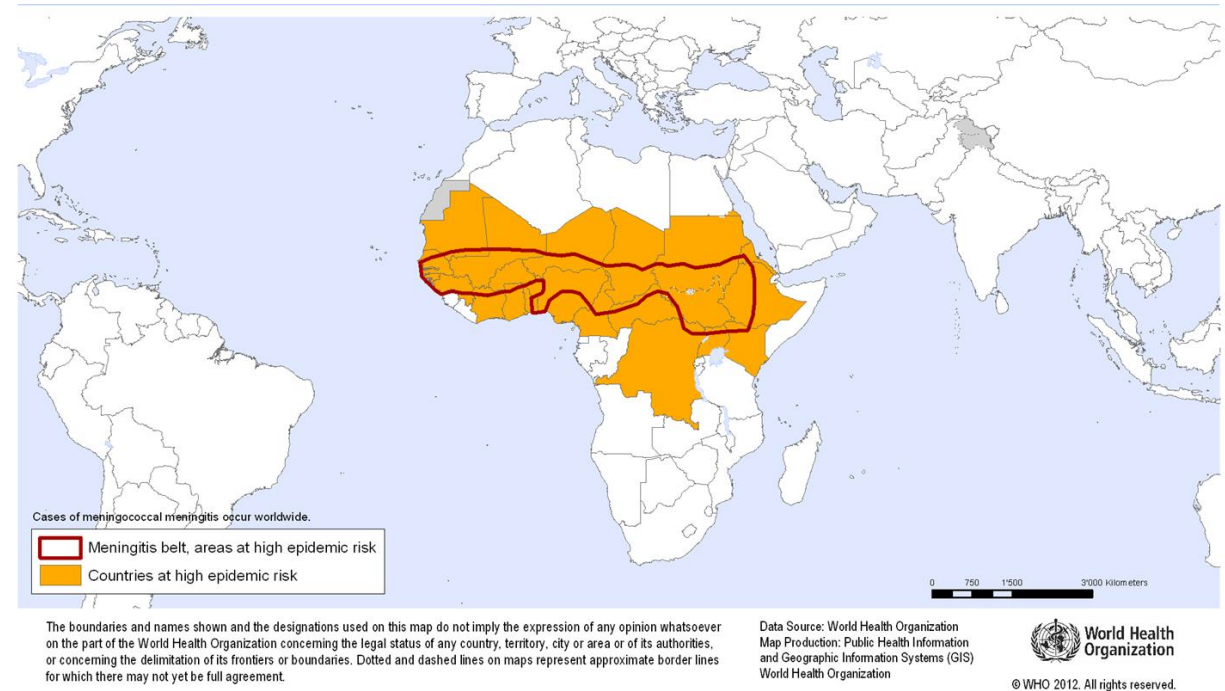


To be modelled...

Geographical risk

Expand the existing meningococcal programme to support a **targeted approach** that includes ACW-containing multivalent meningococcal conjugate vaccines, contingent on WHO SAGE recommendation and a licensed, prequalified product that meets the financial assumptions of this investment case

Gavi 2018



Meningitis Weekly Bulletin
Inter Country Support Team - West Africa

Semaine/Week 35-39

2021

Bulletin hebdomadaire de retro-information sur la méningite cérébrospinale
Weekly feedback bulletin on cerebrospinal meningitis

30th August to 3rd October 2021

I. SITUATION EPIDEMIOLOGIQUE DE LA SEMAINE 35-39 / EPIDEMIOLOGICAL SITUATION OF WEEK 35-39

Thank you