



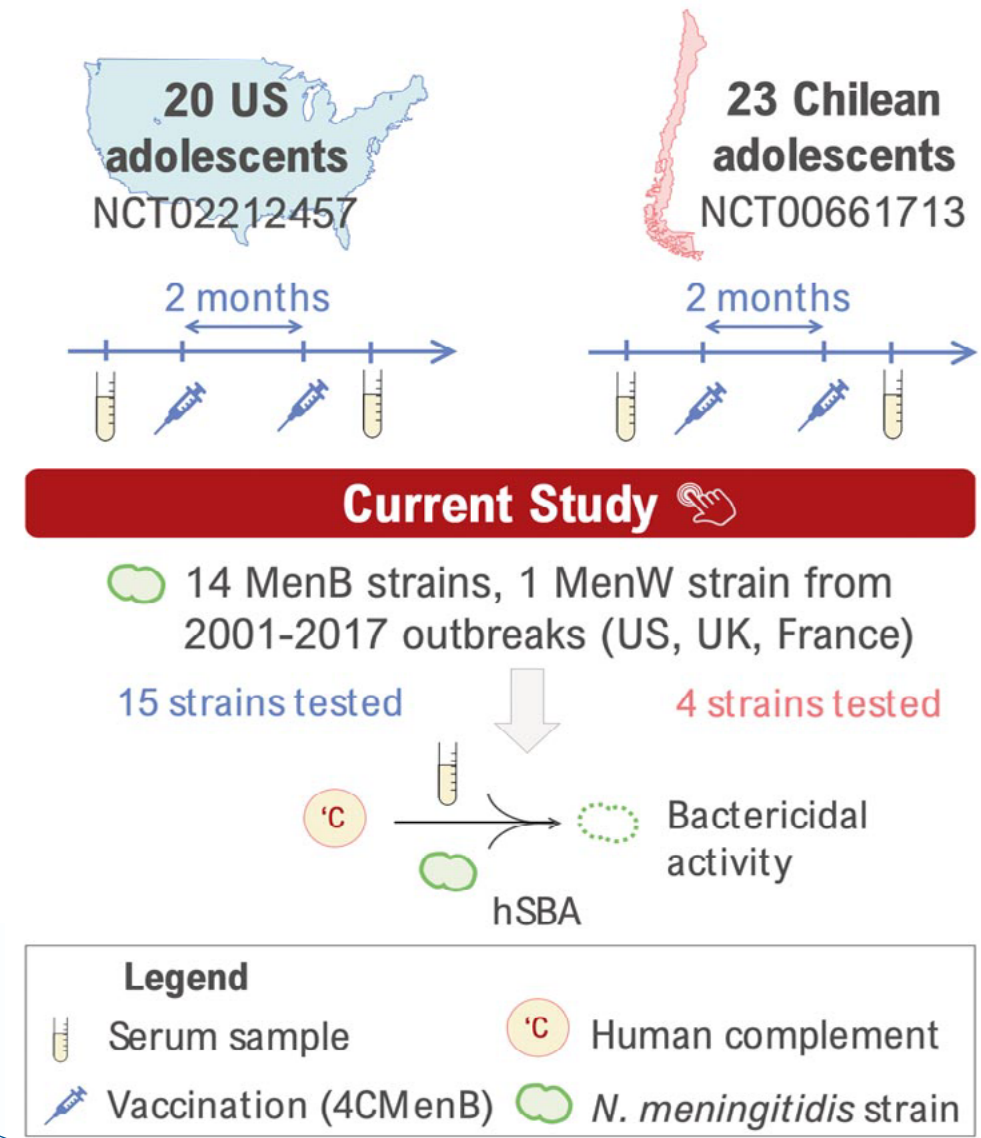
TWO-DOSE 4CMENB VACCINATION IN ADOLESCENTS ELICITS BACTERICIDAL ACTIVITY AGAINST 15 OUTBREAK-REPRESENTATIVE MENINGOCOCCAL STRAINS

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BACKGROUND

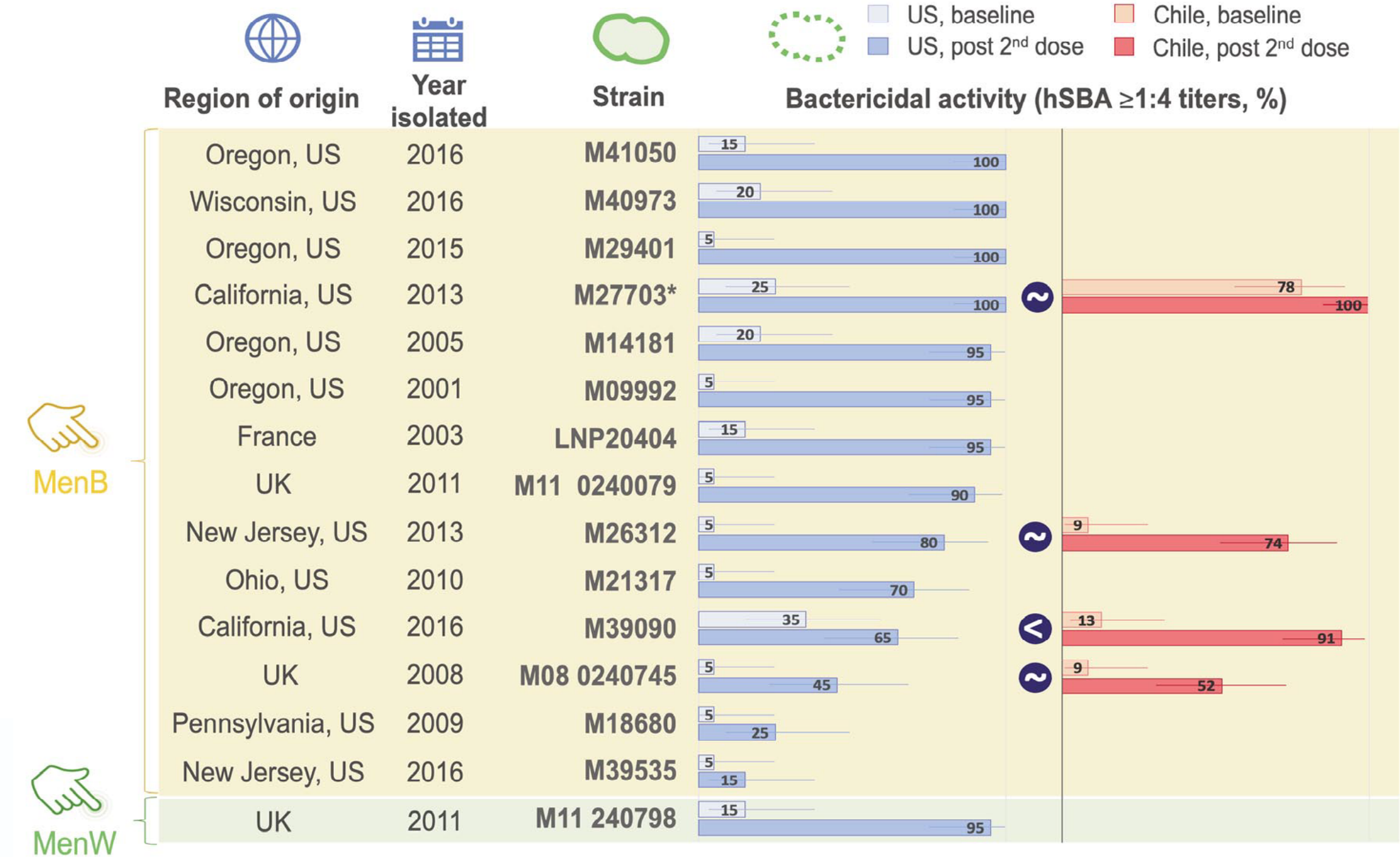
Neisseria meningitidis serogroup B (MenB) is the most common cause of bacterial meningitis outbreaks in many industrialized countries.¹⁻³

This study describes the bactericidal activity of antibodies induced in adolescents in the US⁴ and Chile⁵ by 4CMenB⁶ against a meningococcal outbreak strain panel



RESULTS

4CMenB vaccination elicits bactericidal antibodies against a representative panel of diverse outbreak strains from the US, UK, and France



CONCLUSIONS

- 4CMenB induces a functional immune response against 15 *N. meningitidis* outbreak strains collected from the US, UK, and France.
- The immune response to 4CMenB is comparable between adolescents from different geographical areas.
- Most strains in this panel are predicted to contain at least one 4CMenB-covered antigen, further highlighting the potential of this multi-component vaccine.
- Vaccination with 4CMenB has the capacity to confer protection against outbreaks of invasive meningococcal disease.

*US: 100% of subjects achieved 4-fold rise in hSBA titer at post-vaccination versus baseline; GMTs were 3 at baseline and >119.4 post-vaccination. CHILE: 96% of subjects achieved 4-fold rise in hSBA titer at post-vaccination versus baseline; GMTs were 6.5 at baseline and >178.3 post-vaccination.

4CMenB, 4-component MenB vaccine; hSBA, human complement serum bactericidal antibody assay; GMT, geometric mean titer; MenB, meningococcal serogroup B; MenW, meningococcal serogroup W; UK, United Kingdom; US, United States. Error bars represent 95% confidence intervals.

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References & Disclosures