

### Supplementary text 1: Meningitis definition

Acute bacterial disease with sudden onset and fever, intense headache, nausea, vomiting, neck stiffness and – in meningococcal disease – petechial rash with pink macules. The disease must be accompanied by laboratory evidence (in cerebrospinal fluid or blood) of *Neisseria meningitidis*, *Streptococcus pneumoniae* or *Haemophilus influenzae type b*.

*Streptococcus pneumoniae* – Acute bacterial disease with sudden onset and fever, intense headache, nausea, vomiting, and neck stiffness. The disease must be accompanied by laboratory evidence (in cerebrospinal fluid or blood) of *S. pneumoniae*.

*Haemophilus influenzae* – Acute bacterial disease with sudden onset and fever, intense headache, nausea, vomiting, and neck stiffness. The disease must be accompanied by laboratory evidence (in cerebrospinal fluid or blood) of *H.influenza* type B.

*Neisseria meningitidis* – Acute bacterial disease with sudden onset and fever, intense headache, nausea, vomiting, and neck stiffness. The disease must be accompanied by laboratory evidence (in cerebrospinal fluid or blood) of *N. meningitidis*.

Meningococcaemia without meningitis - Invasion of the bloodstream with *N. meningitidis*.