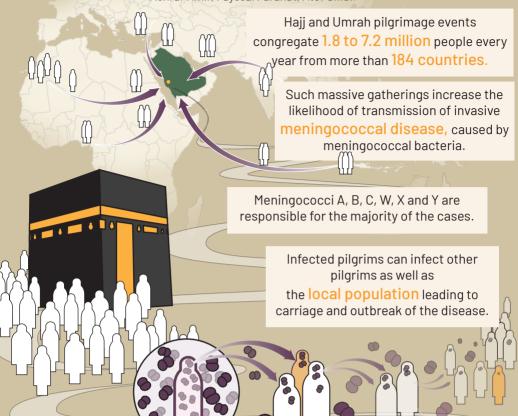
## MENINGOCOCCAL DISEASE AND IMMUNIZATION ACTIVITIES IN HAJJ AND UMRAH PILGRIMAGE\*

Selim Badur, Mansour Khalaf, Serdar Öztürk, Rajaa Al-Raddadi, Ashraf Amir, Fayssal Farahat, Atef Shibl.

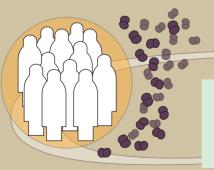


Meningoccocal carrige by some pilgrims among these mass gatherings increases the risk of transmission, disease and outbreaks.

In 1987, meningoccocal serogroup A outbreak triggered the introduction of mandatory vaccination against groups A and C (Men AC vaccine) for pilgrims from meningitis belt countries.







The global outbreak of meningoccocal serogroup W in 2000 and 2001 led to the implementation of the MenACWY vaccine for all pilgrims.

MenACWY conjugated vaccine can provide stronger and broader protection for pilgrims.



