

FROM OUTBREAK TO ABHR PRODUCTION; EXPERIENCE FROM CAMEROON



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CAMEROON BAPTIST CONVENTION
HEALTH SERVICES

THE PROBLEM/OUTBREAK



22.5% (900,000) neonatal deaths each year caused by sepsis (Li Zhang et al, 2016)

Often associated with poor infection prevention or unhygienic practices

Hands - common mode of spread (Bauer-Savage et al, 2013)

Poor hand hygiene compliance, limited ABHR in Africa.

Background.



Multiple outbreaks
of neonatal sepsis



Additional
treatments,
Extended hospital
stay
Additional cost.



No surveillance, no
data before 2002



CLINICAL PRESENTATION/LAB FINDINGS



- Skin sepsis (pustules)
- Septic knee
- *Staph aureus* and *Pseudomonas aeruginosa* from samples

RISK FACTORS



Only one sink in a 30-bed postpartum ward

Reserved only for drinking, not for hand washing

Many clinical procedures performed without washing hands

Ignorance of the importance of hand hygiene

STRATEGIES



2003



2012



How to Handrub?

RUB HANDS FOR HAND HYGIENE: WASH HANDS WHEN VISIBLY SOILED

Duration of the entire procedure: 20-30 seconds

- Apply a palmful of the product to a cupped hand, covering all surfaces.
- Rub hands together palm to palm.
- Right palm over left dorsum with interlocked fingers and vice versa.
- Palm to palm with fingers interlaced.
- Backs of fingers to opposing palms with fingers interlocked.
- Rotational rubbing, backwards and forwards with clasped fingers of right hand in left palm and vice versa.
- Once dry, your hands are safe.

World Health Organization | Patient Safety | SAVE LIVES Clean Your Hands





RESULTS



Volume Per Month (Litres)

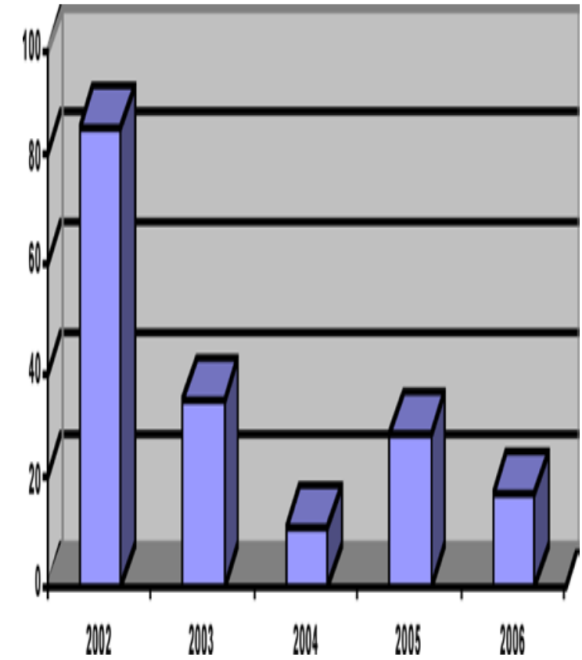
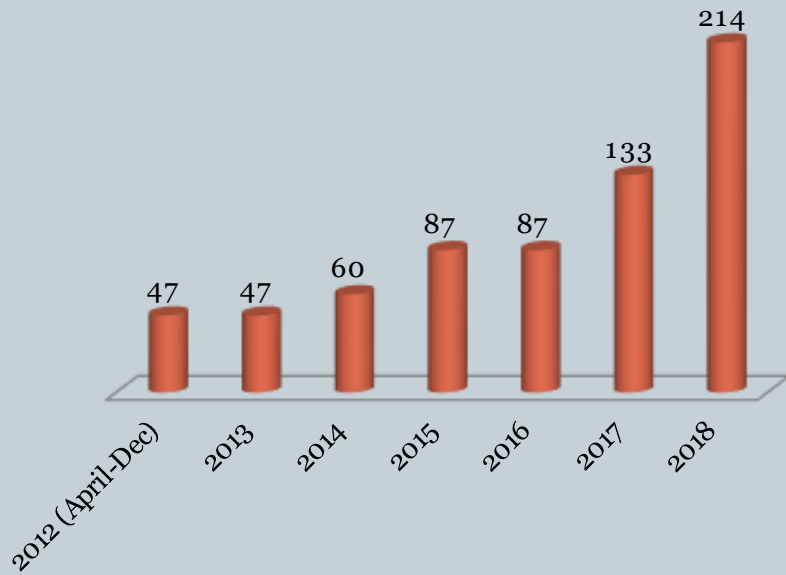
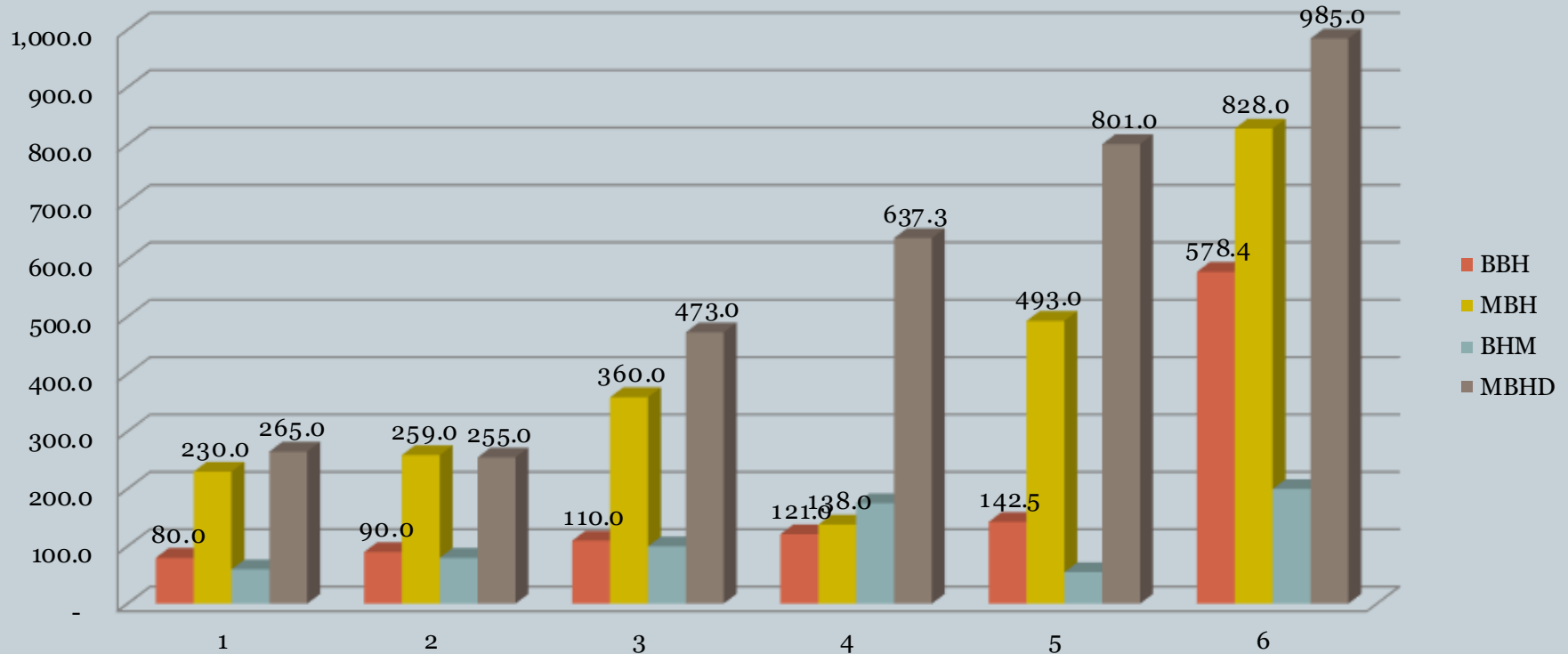


Figure 1. Septic spots per 1000 live births

VOLUME OF HAND RUB USED ALSO INCREASED STEADILY



ABHR CONSUMPTION IN FOUR FACILITIES FROM 2012-2018 (Litres)



CONCLUSION/TAKE HOME MESSAGE



- Infection prevention is consistent application of basic strategies
- Alcohol hand rub is key to improve hand hygiene compliance
- Local production should be promoted.



Thanks for your kind
attention.