

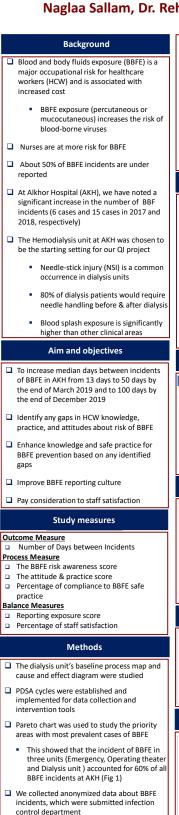




Graduate Students, Medical, Biomedical and Health Sciences

## Reducing the incidence of exposure to blood and body fluids

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This showed that 80% of all incidents

were related to NSIs and that 47% of all

incidents occurred among staff nurses (Fig

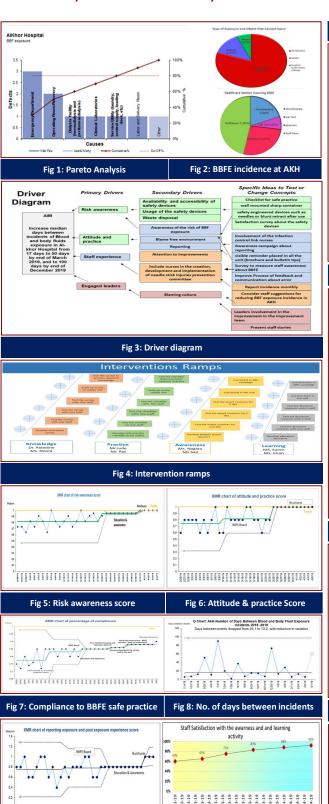


Fig 9: Reporting exposure score

Fig 10: Staff satisfaction

## Methods A driver diagram of primary and secondary drivers for the project (Fig 3) On bases of learning and testing, interventions ramps with multiple PDSA cycles were designed around the following four main domains (Fig 4) To test the knowledge of HCWs BBFE using a ■ Safe practice · Assessing HCWs' compliance with the recommended safe practice & use a safe practice check list to assess changes in safe Awareness Address gabs in HCWs' knowledge & practice about risk of BBFE using a bulletin board Circulate brochures to remind HCWs' about the risk of BBFE and safe practice Results ☐ Risk awareness score of BBFE among HCWs increased from 82% to 100% (Fig5) ☐ The attitude about reporting BBFE and safe practice score increased from 75% to 100% (Fig ☐ Compliance with safe practice improved from 77% to 86% (Fig 7) ☐ Days between BBFE events dropped from 25.1 to 13.2 (Fig 8). However, this can be explained by improvements in the knowledge about risk of BBFE & reporting awareness by the staff. Therefore, we expect to observe increase in the median number of days between BBFE events in the future $\hfill \square$ Reporting BBFE increased from 75% to 100% (Fig 9) Staff satisfaction with the educational tools improved from 65% to 96% (Fig 10) Conclusions ☐ There was a gap in HCWs' safe practice regarding BBFE before we start the QI project Awareness board, circulating brochures, and awareness sessions were associated with improvements in HCWCs' knowledge, compliance with safe practice & attitudes about reporting BBFE We observed reduction in the median number of days between BBFE event, which is explained by increase in reporting of BBFE due to our interventions. This initial increase in reporting is expected & has been seen in previous studies. However, we expect reverse in the future Sustainability plan & next steps ☐ Spot check for knowledge & practice ■ Annual awareness sessions for HCWs ☐ Maintain the bulletin board & circulating the

Spread the project to Medical and Surgical wards

introducing safe practice equipment to reduce

& further scale up plan will be drawn

BBFE risk and incidence

Plan for work environment changes such as