

## ABSTRACT

Hand Hygiene compliance rates among healthcare workers has long been a contentious issue. Compliance rates among Physicians has been consistently had the lowest rates of compliance (Petit et al, 2009).

TS+ Auditing Technology's unique user interface & design & real-time data analysis was used to provide immediate, detailed feedback in the clinical area at time of audit.

***This study found that doctors responded to audit with feedback using TS+ .***

## BACKGROUND

Behavioural science identifies that a specific barrier to Physicians hand hygiene compliance is their perception that their practice is actually better than it is (Squires et al, 2013).

***To tackle the specific behavioural barriers of physicians, immediate feedback of high quality data, delivered using robust auditing systems that promote acceptance of the facts is essential.***

## OBJECTIVES

To determine if using TS+ auditing technology to carry out audit & provide immediate feedback would positively impact on compliance rates among physicians in different healthcare settings.

## METHODS

TS+ was used to carry out observational audits of compliance with 5 moments for hand hygiene and provide immediate feedback in 2 sites.

1. Two divisions of an acute, university teaching hospital with a limited hand hygiene programme.
2. A private hospital with an established hand hygiene programme.

Compliance rates were based on observational audit of 5 moments for hand hygiene carried out by trained auditors during monthly audits.

***Results of observational audit data were compared over 3 data periods to determine any impact.***



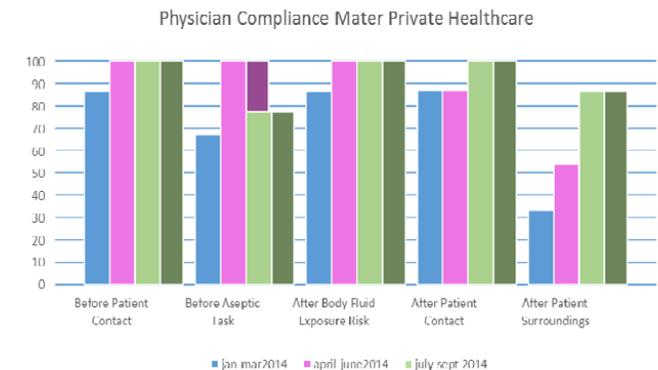
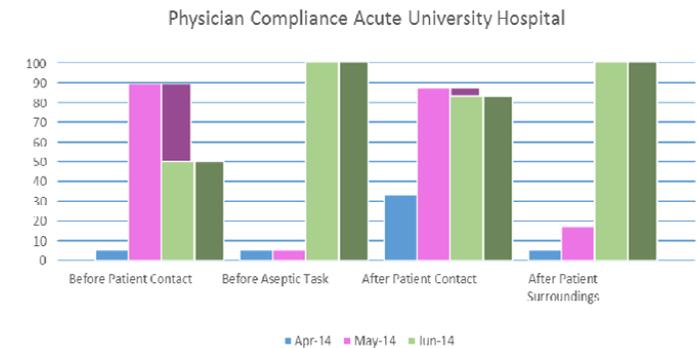
**Audit with immediate feedback using TS+ Auditing Technology**

## RESULTS

Compliance rates rose from <5% to 100% for moment 2 & 5 and from 30% to 75% for moment 4 over 3 months in one large university teaching hospital.

Compliance rates rose from 82% to 100% for moment 1,3 & 4 and from 30% to 80% for moment 5 in one private hospital.

## RESULTS



## CONCLUSIONS

Physicians need specific, detailed data delivered at time of audit to better understand their true compliance rates.

Physicians compliance improved substantially in different sites when TS+ technology was used to provide this specific, detailed, data at time of audit.