

Multi-modal Strategy for Improving Hand Hygiene Compliance In ICU

HA Convention 2013

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INTRODUCTION



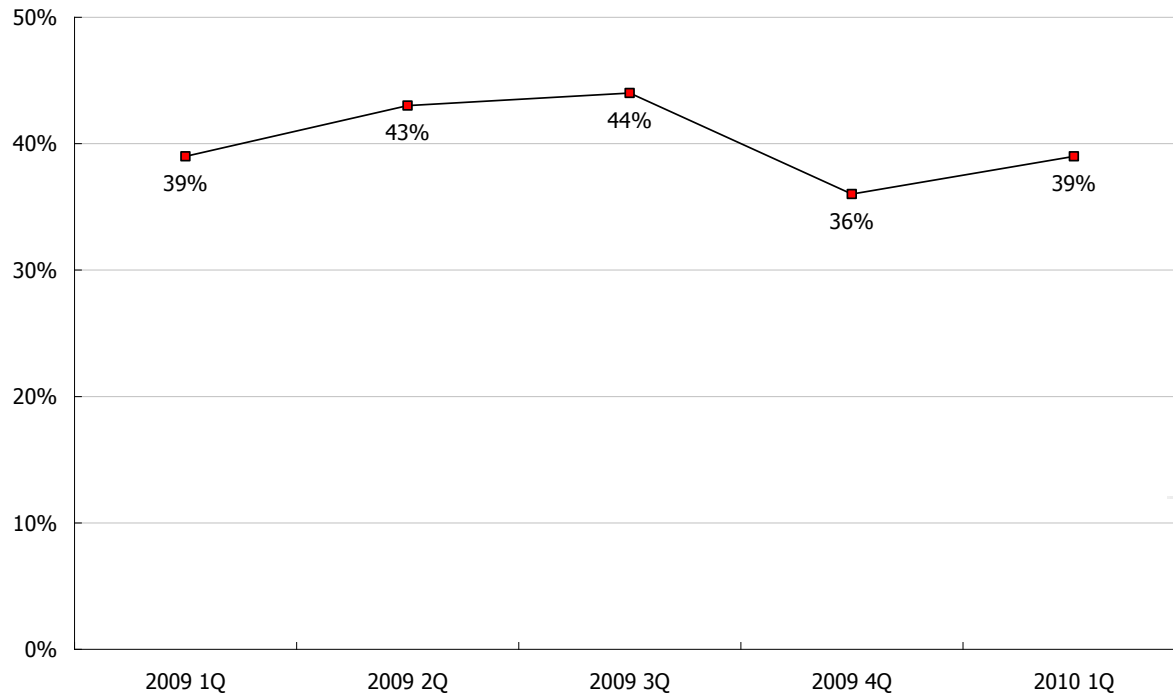
Hand hygiene has been considered the single most important measure to prevent nosocomial infections

Rotter ML 1997...



Before 2009 1Q.....
Poor compliance in our ICU →

Overall Hand Hygiene Compliance Rate in QEH ICU
(2009 1Q to 2010 1Q)



Deserve a serious improvement strategy

**What is the
Strategy**



OBJECTIVES

**To improve HHC by using
Multi-Modal Campaign**

**To develop strategy that can
keep a sustained HHC**

From the 2nd half of 2010....

We **adopted a Multi-Modal Campaign** →
Improve our hand hygiene compliance (HHC)

Access
washing
facilities

Role
modeling by
senior staff

Training
the valid
observers

Structural &
Standardized
protocol

Real-Time
Correction &
Feedback

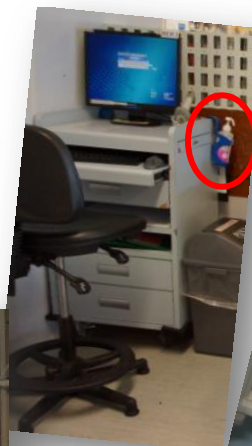
METHODOLOGY

Access Washing Facilities



Made hand hygiene possible & convenient

Put alcohol hand rubs at bedside & room entrances



Role Model by Senior Staff

Motivate all ICU staff to comply with HH measures



41 Nos. of Train-the-Trainer for Valid Observers



Direct observation & feedback on staff's HHC

Monitor the HHC with the method as proposed by WHO

Use **5 MOMENT** for HH Indicators

Observe several HCWs for 15mins sessions

Provide real-time correction & feedback on proper HH



WORLD ALLIANCE OF PATIENT SAFETY

the grid

Prof. cat. Code Number	Prof. cat. Code Number	Prof. cat. Code Number	Prof. cat. Code Number
Opp. Indication Action	Opp. Indication Action	Opp. Indication Action	Opp. Indication Action
<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-bfuid <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft-surr.	<input type="checkbox"/> rub <input type="checkbox"/> wash <input type="checkbox"/> missed	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-bfuid <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft-surr.	<input type="checkbox"/> rub <input type="checkbox"/> wash <input type="checkbox"/> missed

OBSERVATION FORM: scenarios 3b

Country Kenya City Nairobi Hospital Kijabe Site ID WHO AFRO

Observer (initials) LB Date (dd.mm.yyyy) 11/05/2007 Start/End time (hh:mm) 11:20/ 11:40 Period No. 1 Department Surgical Service name General Surgery Ward name Surgery B Session duration (min) 20 Form No. 1

Prof. cat. Code Number	Prof. cat. Code Number	Prof. cat. Code Number	Prof. cat. Code Number
Opp. Indication Action	Opp. Indication Action	Opp. Indication Action	Opp. Indication Action
<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input checked="" type="checkbox"/> aft-bfuid <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft-surr.	<input type="checkbox"/> rub <input type="checkbox"/> wash <input type="checkbox"/> missed	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-bfuid <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft-surr.	<input type="checkbox"/> rub <input type="checkbox"/> wash <input type="checkbox"/> missed



Sustain the Compliance with Hand Hygiene

Internal HHC monitoring
Bimonthly

External HHC monitoring by ICT
Quarter of year



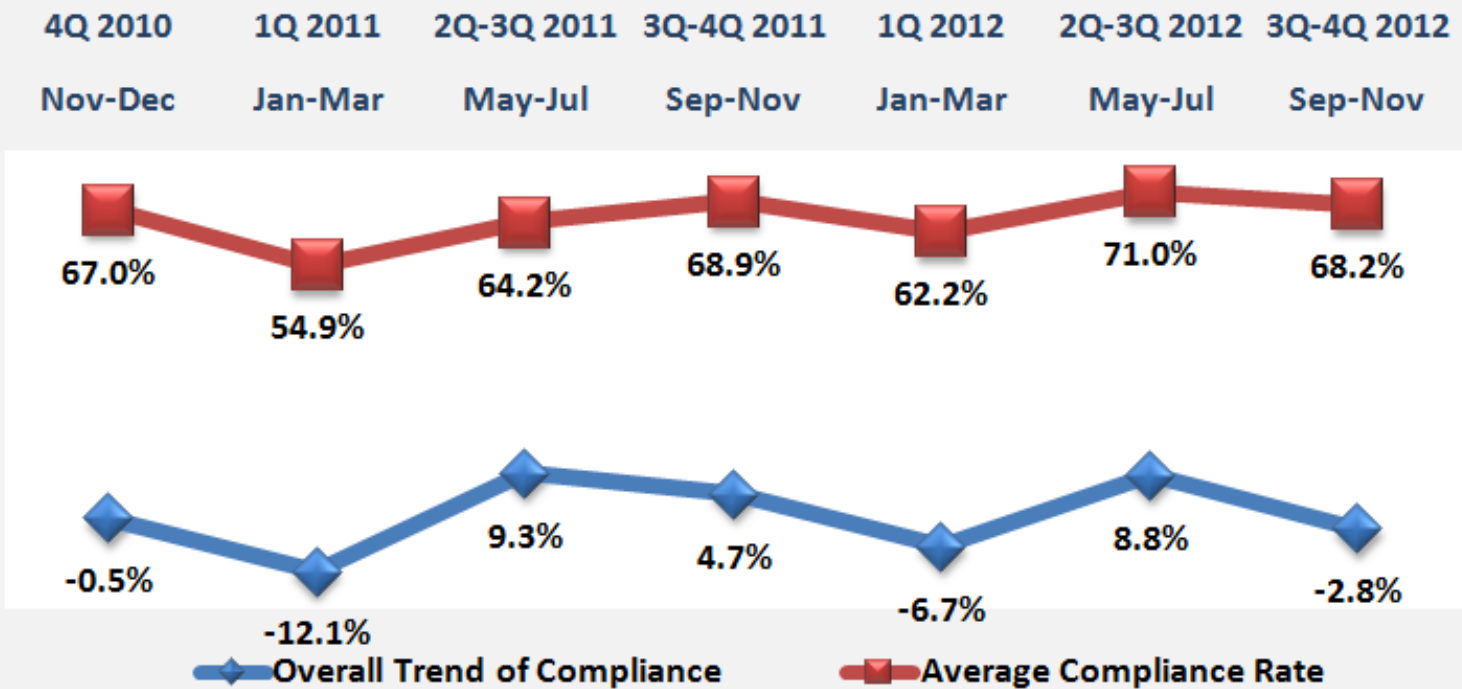
Monitoring Reports Post up in ICU Staff Notice Board



Result & Outcome

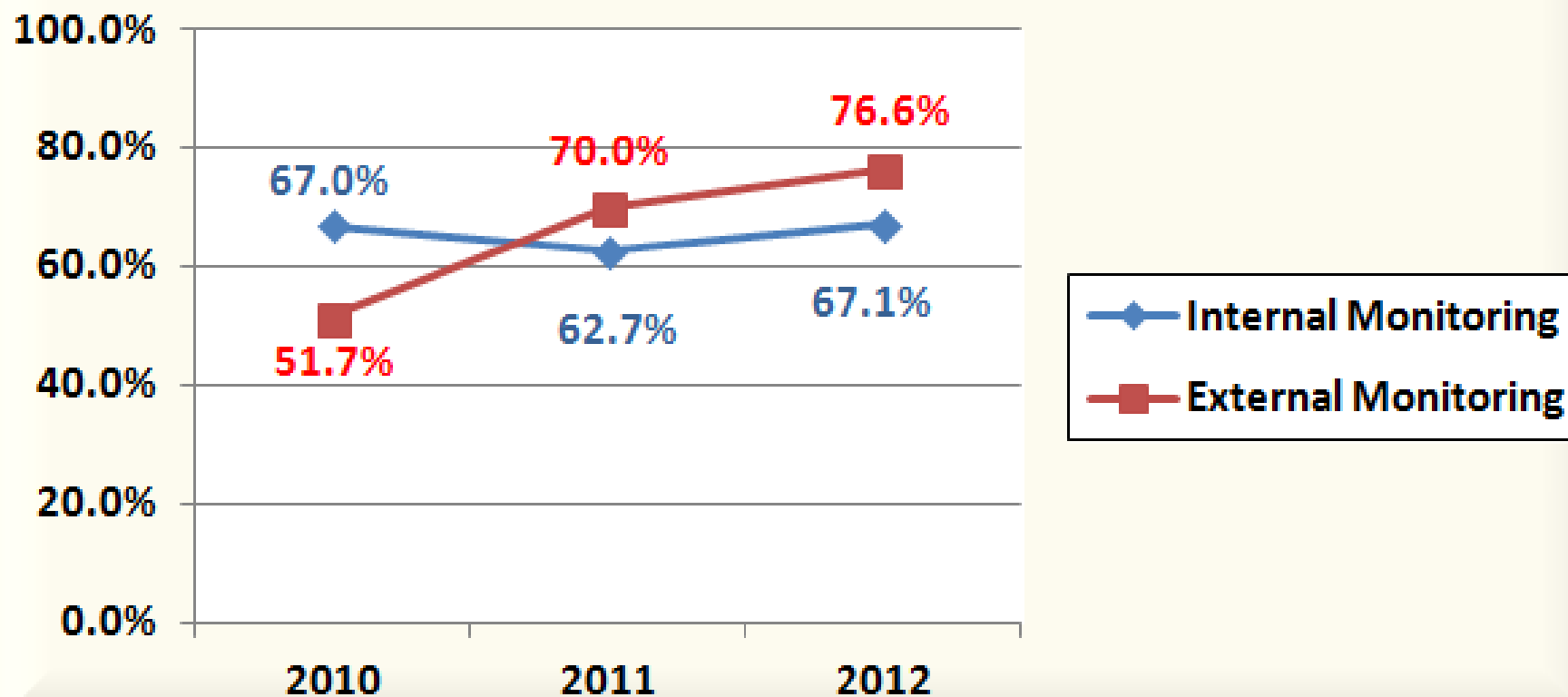
Internal Monitoring

**Average HH Compliance Rate & Overall Trend of Compliance
B6 & D6 ICU QEH
4Q 2010 - 4Q 2012**



Result & Outcome

Average Internal and External Monitoring on HH Compliance 2010 - 2012



Multi-Modal Hand Hygiene Improvement Strategy



Best Improvement Award

**Effectively
Improved HH
Compliance**

**Produced a
Sustained HH
Improvement**

Acknowledgement

Dr. W Y George Ng, AC ICU QEH

Dr. K Y Lai, COS ICU QEH

Mr. H W Luk, DOM ICU QEH

Ms S Y Shirley Lee, SNM ICT QEH

Dr. N C Dominic Tsang, CON Path QEH

Colleagues of ICT QEH

Colleagues of ICU QEH