



Pharm-I-See: The Role of the Ward Pharmacist in Hand-Hygiene

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Connect. Converge. Co-create.






INTRODUCTION

- HCAI is the most frequent adverse event in health care.
- In May 2014 the WHO has launched a global campaign to ensure that infection control is acknowledged universally as a:
 - *solid* and *essential* basis towards patient safety.



are the main pathways of germ transmission during healthcare.

- Hand hygiene to avoid the transmission of HCAs.
- IPP's - hand-hygiene  "police"

Could the ward pharmacist assist by taking on the additional role of being the *hand-hygiene* “BIG-BROTHER”



INTERVENTION

- Barriers encountered
 - real time feedback of performance data;
 - assumption that it is the IPP or unit manager's responsibility.
- On average **15.92** infections per 1000 patient's days in the **MGICU**. Compared to the average of the hospital which was **4.51**.





MEASUREMENT

- The following were observed:
 - Hand-hygiene before and after patient contact;
 - Whether gloves had to be used;
 - Adherence to BBE principles.



- Hand-washing & glove use were only documented when a nurse *entered the room*.
- **Basic adherence** = correct hand-washing techniques + use of gloves *if a patient was in isolation*.
- **% Basic and BBE adherence were calculated:**

Total number of correct actions ÷ Total number of Encounters x 100.

Average Overall Adherence was the average of the Basic and BBE totals.



DATA COLLECTION SHEET:

Room	Hand hygiene before			Gloves		Hand hygiene after			Adherence					
	Alc	HW	N	Req	Used	Alc	HW	N	Hand hygiene	Glove use	Overall	BBE		
1	Alc	HW	N	Y	N	Y	N	Alc	HW	N	Y	N	Y	N
2	Alc	HW	N	Y	N	Y	N	Alc	HW	N	Y	N	Y	N
3	Alc	HW	N	Y	N	Y	N	Alc	HW	N	Y	N	Y	N
4	Alc	HW	N	Y	N	Y	N	Alc	HW	N	Y	N	Y	N
								Total # of Y						
								% Adherence						



DATA COLLECTION

- **Week 1 – 4 (baseline):**



Without the nursing staff’s awareness, the ward pharmacist observed hand-washing and “bare-below-the-elbow” (BBE).

Compliance: BBE was on average 71%

Basic hand-washing as little as 27%



DATA COLLECTION

- **Week 5 - 8:**

Dear sister, adherence to good hand hygiene practises and "bare below the elbow" today:

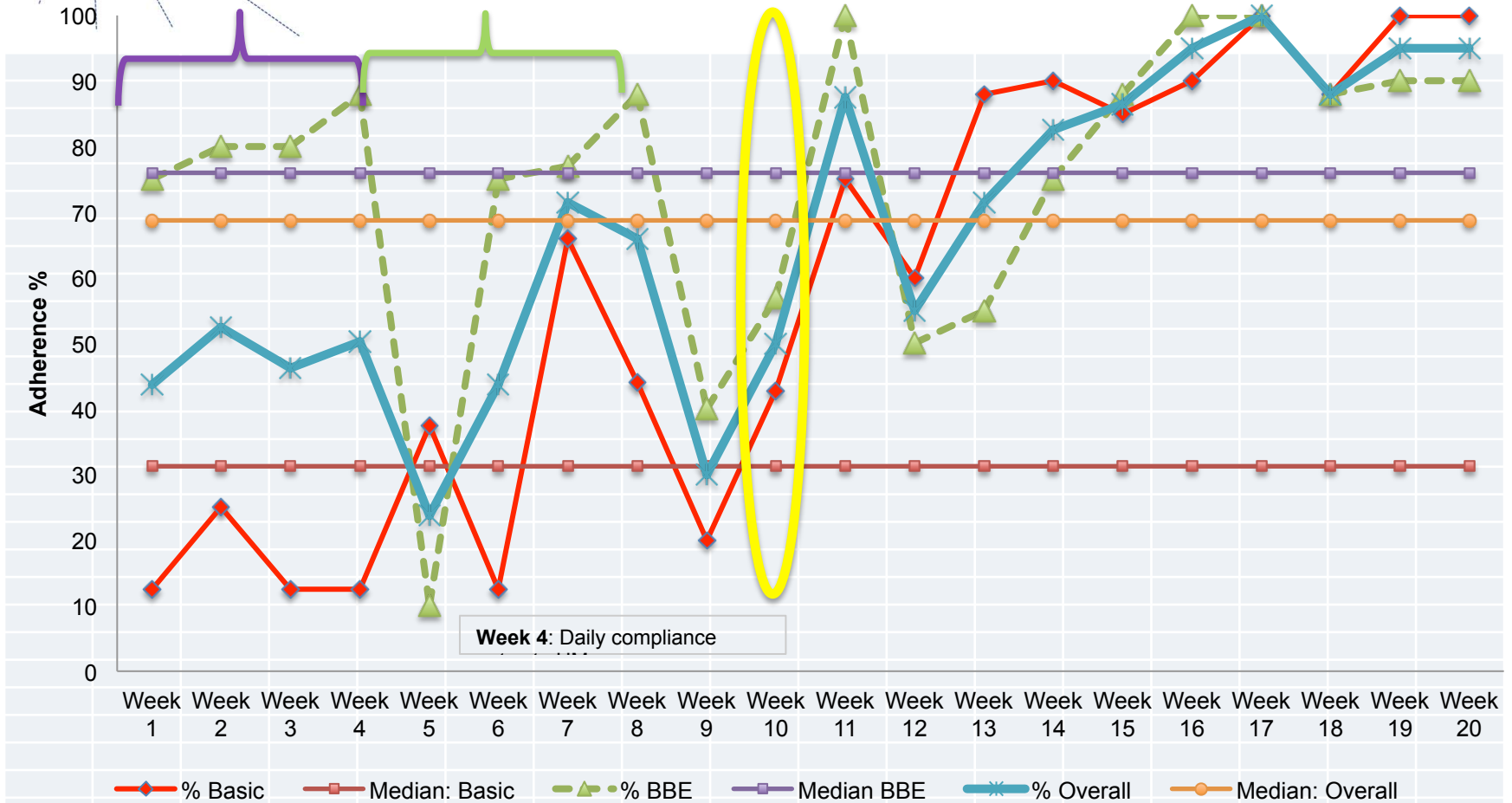
Date	# Beds	Overall	BBE
Regards, Your ward pharmacist			



- **Week 9 – onwards:**

Daily adherence notes & weekly data sheet.

% Compliance to Hand Hygiene Adherence: Basic, BBE & Overall (Feb 2014 - July 2014)





CONCLUSION

- **Basic (89%) and BBE compliance (81%) has increased significantly**
 - Accountability?
 - Culture created?
1. Compliance of doctors/physiotherapists/cleaners
 2. Aseptic medication preparation



Data collected relevant if the *basics* is seen as “optional”?

- Hand-hygiene should be ***non-negotiable!***



TTO MESSAGE

- Towards the same goal – *safe patient care*.
- Breaking down barriers & Value of reinforcement.
- Pharmacist should be seen as **motivator** and not a tattle-tail!
- REALTIME FEEDBACK

Pharmacists...

Hear

All

See

All



Embrace Change!



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