



A Nurse-Led Evidence Based Practice (EBP) Initiative to Prevent Hospital Acquired Pressure Injury



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Declaration of Financial Interests or Relationships

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I have no financial interest or relationships to disclose



Agenda

- 1 Background
- 2 The setting: KFSH&RC – Jeddah, Saudi Arabia
- 3 HAPI data
- 4 Interventions from Performance Improvement project
- 5 How we managed to sustain results

Background



- Journey to become High Reliability Organisation (HRO)
- Transitioning from government (public) hospital to private not for profit hospital
- Zero Harm initiative started to set a new standard of excellence in the region
 - Zero Harm – The only acceptable standard for harm is zero

King Faisal Specialist Hospital & Research Center - Jeddah

2017 Statistics



Hospital

1 of 3 hospitals in
KFSH&RC General
Organization

Demographics

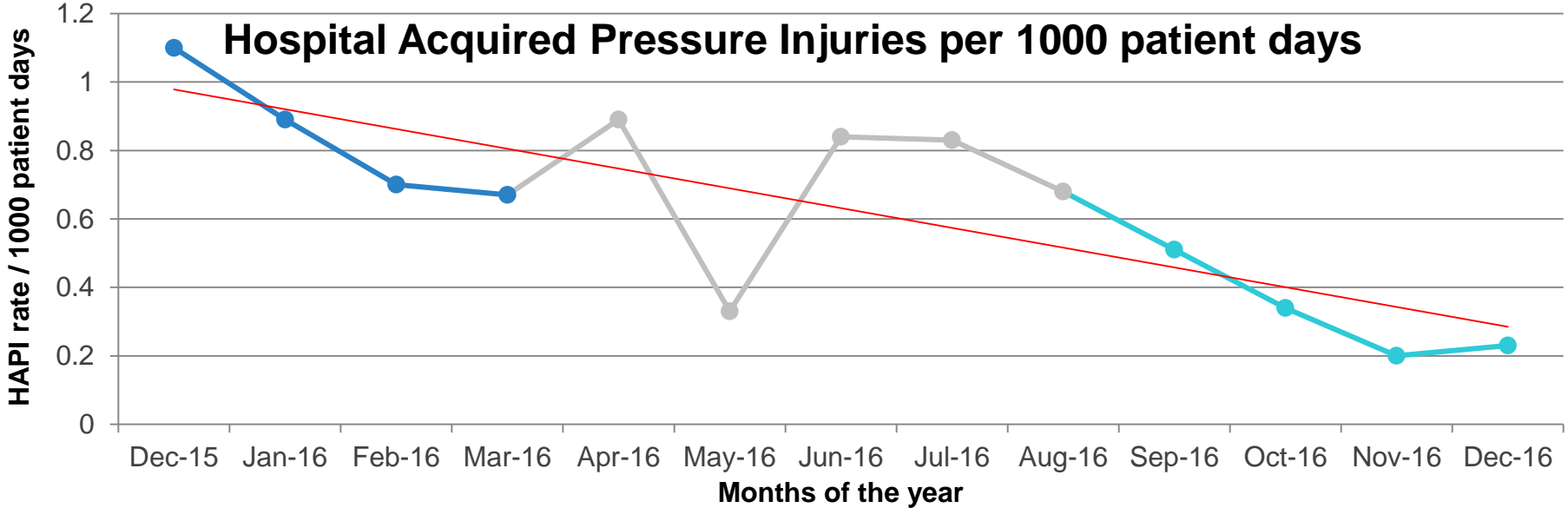
385 Bed Tertiary
Specialist
Hospital

Population

Patients: 93% Saudi
& 7% Expatriates
Nurses: More than
25 Nationalities



Results 2016



Pre Intervention

Intervention
Performance
Improvement
Project

**Post
Intervention**

Interventions



PI Project

A performance improvement (PI) project utilising the FOCUS PDCA methodology.

EMR Changes

Skin integrity documentation was given enhanced options.

Critical EBP Review

A critical evidence based literature review relating to decreasing HAPI was completed.

New Risk Assessment Tool

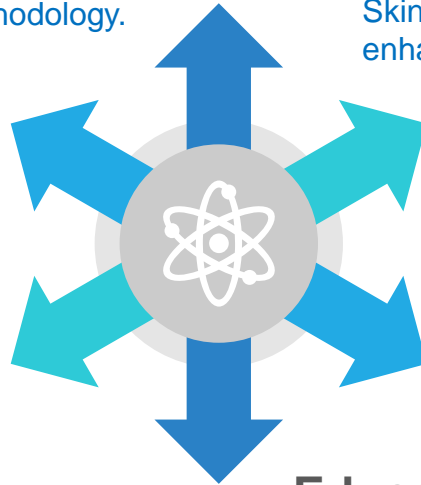
New EBP tool “Glamorgan Pressure Risk Assessment” was implemented.

Policy & Standards of Practice Changes

National Pressure Ulcer Advisory Panel (NPUAP) Guidelines were updated in 2016 and implemented into policy.

Education Campaign

Organisation-wide education campaign on HAPI prevention.





Interventions (cont.)

New Age-Specific Risk Assessment Tool for Pediatrics Implemented

The screenshot shows a medical assessment tool interface. On the left, there is a vertical menu with categories such as Mental Status, Neurological, Head, Ears, Eyes, Nose & Mouth, Pupils Assessment, Oral Mucous Assessment, Neurovascular, Neurovascular Extremities Assessment, Musculoskeletal Assessment, Respiratory, Breath Sounds Assessment, Chest Percussion, Cardiovascular, Pulses, Edema Assessment, Gastrointestinal, Genitourinary, Integumentary, Pediatric Falls Assessment/Assessment, and Daily VTE Screening. The main area displays a detailed 'Integumentary' assessment for a patient, including sections for 'Skin Assessment' (Skin Color, Skin Temperature, Skin Moisture, Skin Description, Skin Tissue Consistency, Skin Erythema Present, Prophylactic Dressing on Bony Prominence, Prophylactic Dressing on Residual Device, Nits/Lice Present, Mucous Membrane Color, Mucous Membrane Condition, Skin Tags for Children Less than 2 Yrs, Radiation Therapy) and 'Wound Assessment' (Wound Present, Ulcer Assessment, Glanberg Scale (Birth to 18 yrs), Pressure Assessment, Braden Scale (Above 18 yrs), Sensory Perception, Moisture, Activity, Mobility, Nutrition, Friction and Shear, Braden Total, Pressure Injury Assessment, Incontinence/Wound). A blue box highlights the 'Integumentary' category in the left menu and the 'Glanberg Scale (Birth to 18 yrs)' item in the main list.

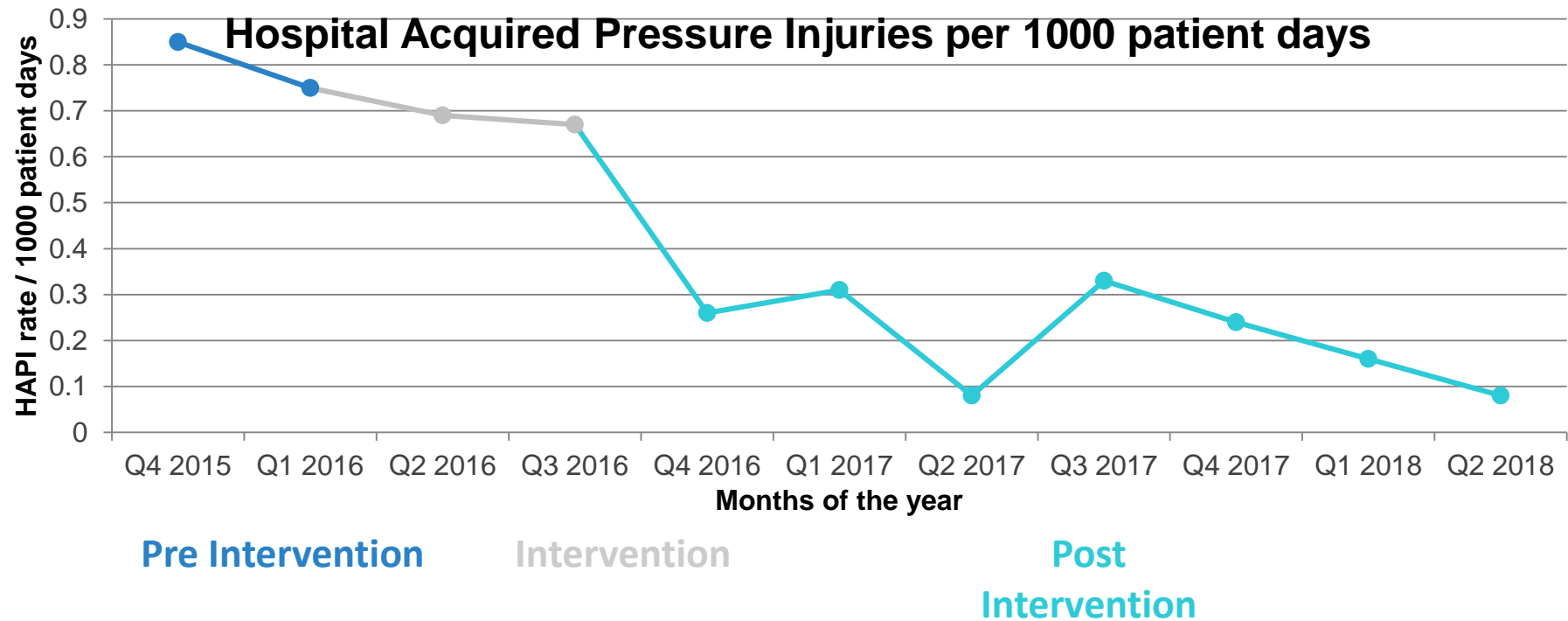
Education Campaign Organisation-wide education campaign on HAPI prevention.

The poster features the logo of King Fahd Specialist Hospital & Research Center at the top. The main text reads: "You are cordially invited to attend the Pressure Injury PI Project Kick Off Event 'Let's Roll It'". Below this, the event details are provided: "DATE: Thursday, 28th April 2016" and "VENUE: Post Graduate Center Auditorium (PGC Auditorium)". The time is listed as "TIME: 08.30am – 10.30am". A note at the bottom right states "(Telecasted to Jeddah)".

EMR Changes Skin integrity documentation

The image compares 'Before' and 'Now' EMR documentation for skin integrity. The 'Before' section shows a list of assessment items: Integumentary, Skin Color, Skin Temperature, Skin Moisture, Skin Integrity, Skin Description, Nits/Lice Present, and Mucous Membrane Condition. The 'Now' section shows a more detailed 'Skin Assessment' section with sub-items: Skin Color, Cyanosis Type, Skin Temperature, Skin Moisture, Skin Description, Skin Tissue Consistency, Skin Erythema Present, Prophylactic Dressing on Bony Prominence, Nits/Lice Present, Mucous Membrane Color, Mucous Membrane Condition, Skin Tags for Children Less than 2 Yrs, Radiation Therapy, Rash Present, and Diaper Rash Present. A blue box highlights the 'Cyanosis Type' and 'Skin Temperature' items in the 'Now' section.

Results 2018



HAPI Strategic Plan



Organisational

Organisational

Nursing

Ward

Zero Harm

2018 Strategic Priority:
Journey to High
Reliability
Organization



Organisational KPI

HAPI: Nursing specific
KPI reported at
executive level.

Nursing KPI

HAPI: reported KPI to
Nursing Executive,
ward level/monthly

Ward based goal

1 yearly goal must be
KPI at ward level





ICU QUALITY DATA

	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC
Hospital Acquired Infections (HAI) per 1000 Patient Days	3	0	0	0	0	0	2	1	0	0	0	0
Central Catheter Associated Blood Stream Infections per 1000 Central Catheter Days - All Sites/Single Site/Double Site - All Sites/Single Site/Double Site - All Sites/Single Site/Double Site	0	0	0	0	0	0	0	0	0	0	0	0
Central Catheter Associated Urinary Tract Infections per 1000 Central Catheter Days - All Sites/Single Site/Double Site	2	0	0	0	0	0	0	0	0	0	0	0
Respiratory Circuit Change Infections per 1000 Patient Days	1	0	0	0	0	0	0	0	0	0	0	0
Respiratory Circuit Change Infections per 1000 Patient Days	0	0	0	0	0	0	0	0	0	0	0	0
Respiratory Circuit Change Infections per 1000 Patient Days	0	0	0	0	2	0	0	0	1	0	0	0
CLAPU per 1000 Patient Days	0	0	0	0	0	0	0	0	0	0	0	0
Device Related MRSA per 1000 Patient Days	0	0	0	0	0	0	0	0	0	0	0	0
Discontinued Blood Cultures	0	0	0	0	0	0	0	0	0	0	0	0



Know your data!

Data must be owned by
 frontline staff

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Image by freepik.com accessed 1 Oct 2018

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