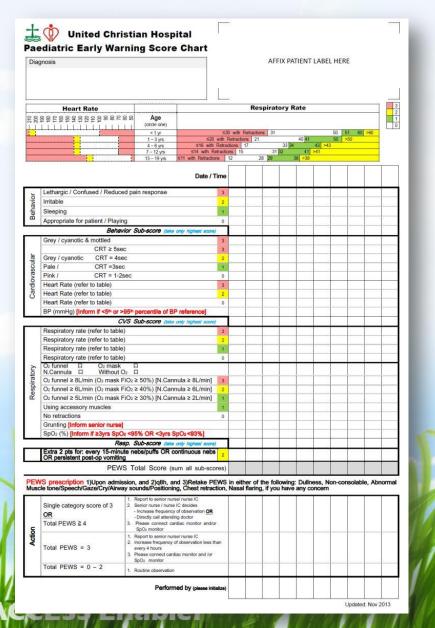
Paediatric Early Warning Score with Information Technology Support to Strengthen Patient Safety

Jeffery LEUNG

Information Technology United Christian Hospital

Manual PEWS Chart



 A scoring system to enhance identification of Paediatric patients at risk of deterioration

 Parameters with age-specific reference range

• Time-consuming and subject to errors for charting and calculation

UC

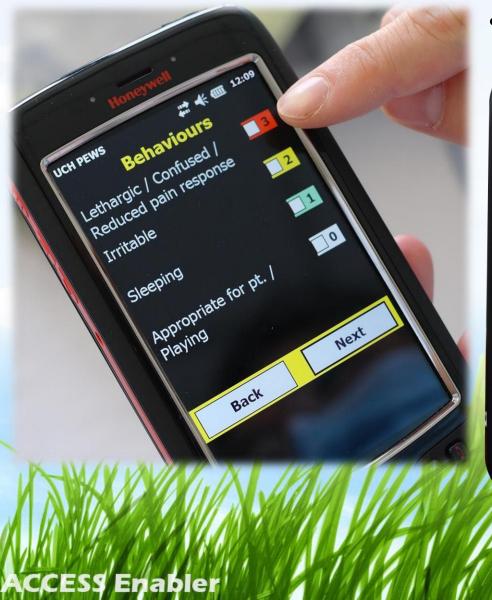
Computerized PEWS for charting



1. Patient Identification



2. PEW Chart



Step-by-step guide for charting



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3. PEWS Score

- Scan employee number
- Calculate PEWS score



Eŋablei

JCH PEWS	👯 🕂 🇰 12:09
Pa	atient Result
Staff No.:	134920
Date:	2014-04-07 12:07:48
Score:	3 (max single: 3)
	Instruction
1. Report nurse IC 2. Call M	

ÍT

4. Push Notification for high score

通知你,PEWS 高分警 告,病房4D,床號12, 請按1字確認收到信息。

5. Next Observation

Current Time: 2	# € @ 12:0 servation 014-04-07 12:09
Next Time: 2 After 8 hour	014-04-07 20:09
🔿 No observati	ion
O After 1 hour	O After 2 hours
🔿 After 3 hour	O After 4 hours
Others: 30	minutes
	Save

Eŋabler

• Schedule next observation

• PEWS data will be sent to dashboard

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Dashboard

UCH Paed Early Warning Score

observation monitoring - ward 4D

CESS Enabler

observation list

Observation Time	Patient	Bed No.	Remark	
2014-04-04 06:45:00	*2.2	35	Due Time	select
2014-04-04 06:49:00	8.015	34	Due Time	select
2014-04-04 11:49:00	0108	01		
2014-04-04 11:56:00	2148-25	03		
2014-04-04 12:19:00	黄梓园	27		
2014-04-04 12:21:00	ANS	28		
2014-04-04 14:23:00	62.25.08	07		
2014-04-04 14:24:00	118.00	12		
2014-04-04 15:43:00	奥立心	15		
2014-04-04 15:44:00	***	17		
2014-04-04 15:47:00	英注电	09		
2014-04-04 15:48:00	[#\$1]	11		
2014-04-04 15:52:00	980	02		



Powered By UCH . HHHH . IT

基督教聯合醫院 UNITED CHRISTIAN HOSPITAL

2014-04-04 10:43

HOSPITAL AUTHORITY

Results

Date	PEWS Charting	High Scores	Admitted to PICU				
1 Dec 2011 to 16 Oct 2013	27,480	3,533	35 (1.8%)				
Another earlier pilot study had shown no false negative if the PEWS is low							
16 Oct 2013 to 21 Jan 2014	2,964	223	13 (5.8%)				
The system was enhanced with refined stratification of the physiological parameters and oxygen support							

Conclusions

The computerized PEWS system:

- To calculate the PEWS accurately
- To decrease nurses' workload and reduce errors
- To notify senior nurses early for prompt management
- To ensure proper documentation and allow data retrieval for medicolegal, research and audits purposes



Thank you

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Enhancing Patient Safety We can do it!