EWS, PEWS & NEWS Western Perspective



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Introduction

- How does patient harm occur?
- How do we deal with failure?
- When EWS met NEWS...
- CMEWS
- What are our options?

Patient Harm - IHI



Unintended physical injury resulting from medical care (including absence of indicated treatment) that requires additional monitoring, hospitalisation or results in death.

Patient harm



- Defective systems of care
- Massive variation in clinical practice
- High rates of inappropriate care
- Unacceptable rates of patient injury
- Underuse of effective treatments
- Waste & inefficiency



Response to failure?



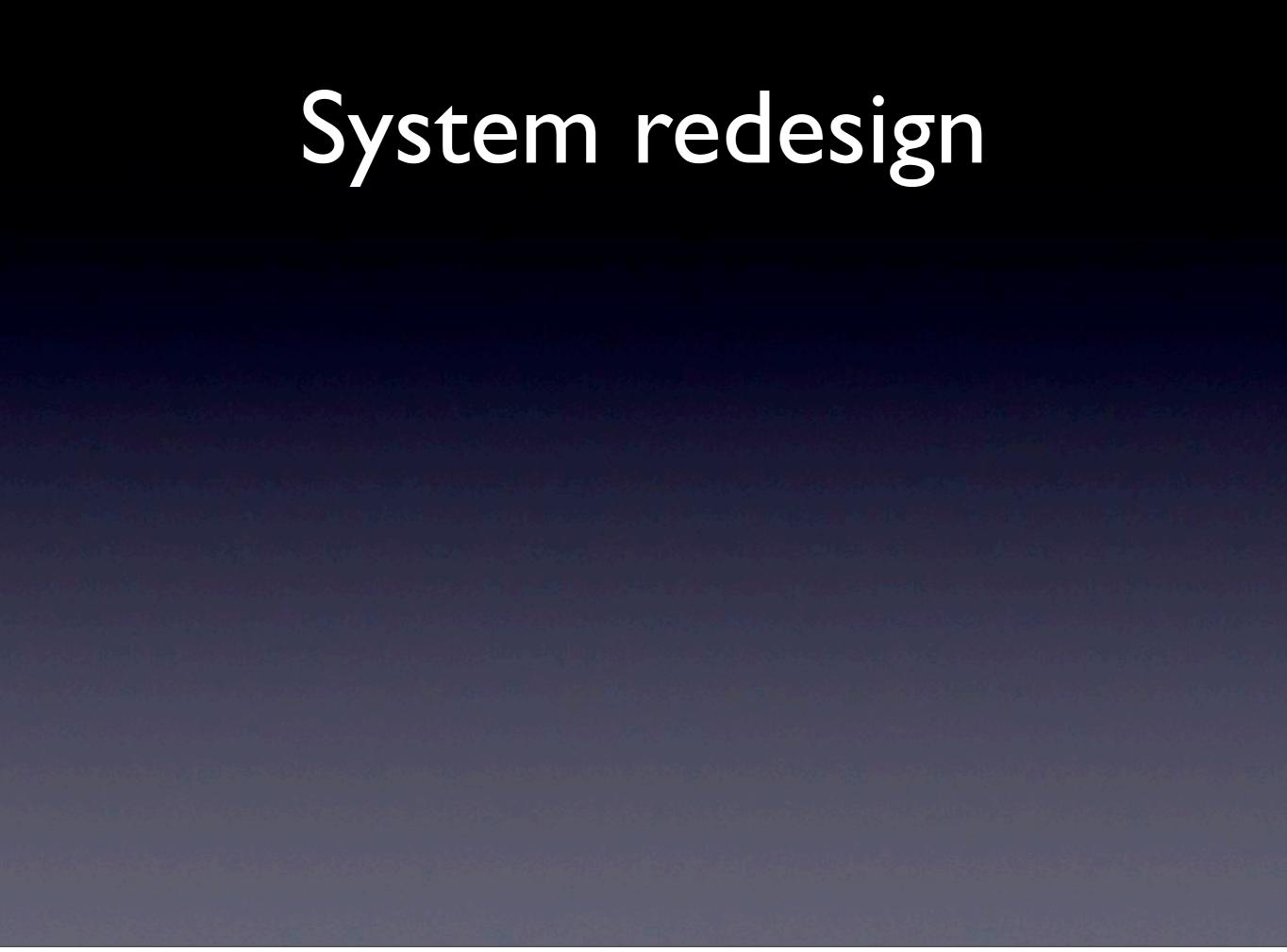
What has failed in the past?

- Blame & train
- Fire and forget
- A new chart....
- Everyone doing their own thing...
- Nobody measuring anything
- "hopefully..."

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EWS vs NEWS

- Important differences
 - resp rates
 - O2 sats and oxygen administration
 - BP, heart rates and temperatures
- CCOS
 - 54 patients
 - 6 wards



EWS Score

0-1

2-3

4-6 (or 3*)

7 +

EWS Score	No Patients	
0-I	22	
2-3	25	
4-6 (or 3*)	6	
7 +		

EWS Score	No Patients	NEWS Score
0-1	22	0-
2-3	25	1-3
4-6 (or 3*)	6	4,5 (or 3*)
7 +		6 +

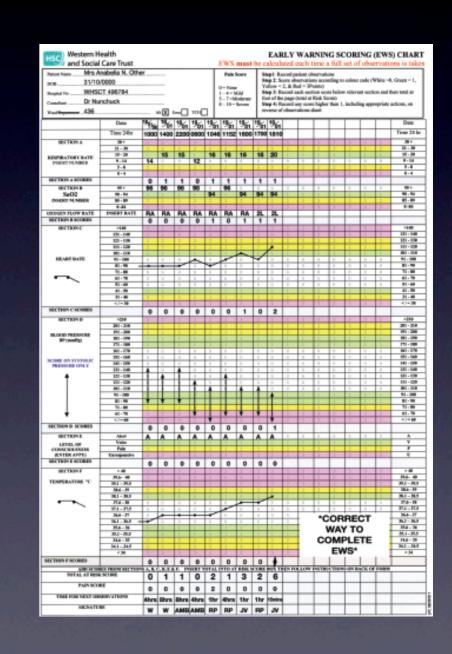
EWS Score	No Patients	NEWS Score	No Patients
0-I	22	0-	6
2-3	25	1-3	32
4-6 (or 3*)	6	4,5 (or 3*)	9
7 +		6 +	7

NEWS vs EWS - points of note

- Presence of O2 more in cat 2
- 3 pts reduced a cat (chronic Hypertension)
- CAT 2
 - 25 on hourly obs (EWS)
 - 32 on 4-hourly obs (NEWS)
- I senior med referral in EWS (7 NEWS)

Prior to cardiac arrest

- RTO study
- 40 non triggering patients
- 17 triggered on NEWS
- 7 triggered reg review



EVVS for children?

- 70% of UK adults
- ~30% childrens' hospitals
- More rapid physiological decline
- Complexity
 - Age-related
 - Disease states





Averting disaster - adults...



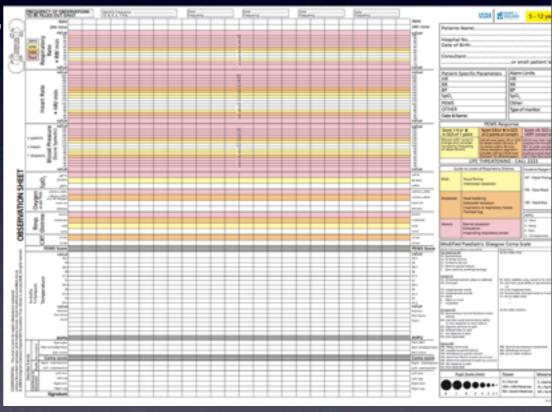
...disaster in children



EWS for children?

Validated systems already exist

- BCH (Duncan et al)
- (CAH)
- Should be introduced!
 - RQIA 2011



CMEWS Pilot

- SR Mary McKenna
- Wd 6 Altnagelvin
- Usability
- Ergonomics
- Awaiting regional steer



Conclusions

- Let's not all reinvent the wheel
- Learn from elsewhere
- Don't overlook kids
- Regional approach
 - Implementation
 - Measurement (O&P)
 - Learning



one more thing....

