Immediate Response Training (IRT):
Evaluating a blended delivery model of training in the detection and management of patient deterioration.



400 Bed adult teaching and research hospital

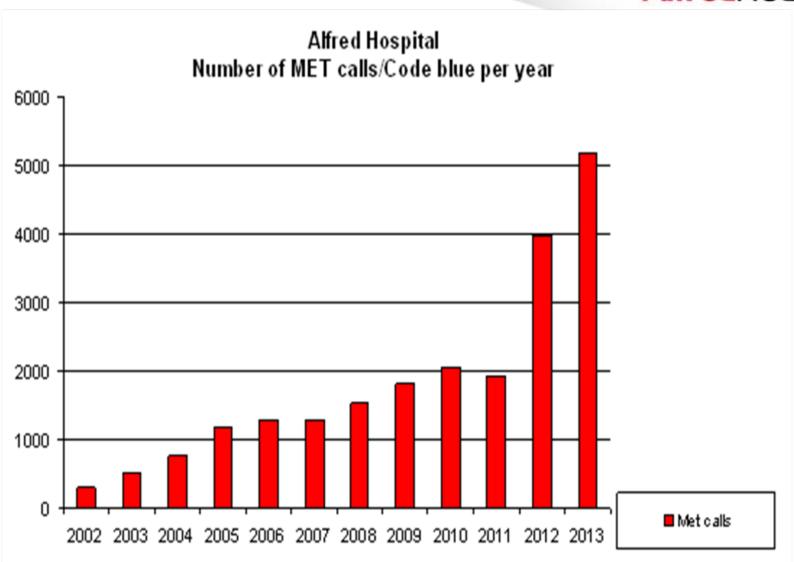
350,000 and 400,000 presentations per year

Statewide specialty services;

- Heart & Lung Transplant
- Burns
- HIV
- Trauma
- HBO

Background

- NSQHS Standards
- S9 Recognising and Responding to Clinical Deterioration in Acute Health Care
- MET well established
- Clinical Review Criteria and escalation policy introduced

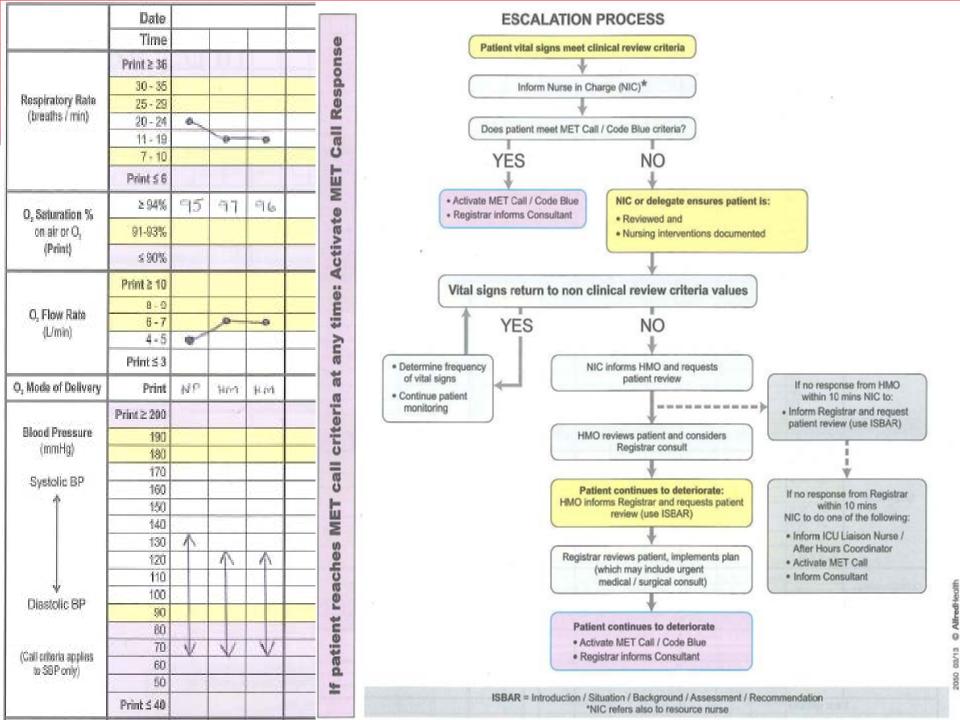


Graphic Observation Chart

	Date					35	18	3	26 3	2 = 5		55 5		Date			TOWNS TO SERVICE STATE OF THE PARTY OF THE P		
	Time											T		Time			UR.		
Respiratory Rate (breaths / min)	Print≥36	33.3										100	1 3	Print 2 36	Surramo				
	30 - 35											-		30 - 35			Citrian Number	4	
	25 - 29													25 - 29				*	
	20 - 24													20+24			Address	Address	
	11 - 19			14	_									11 - 18					
	7-10							7					7	7 / 10			0.0 B Sec 0		
	Print S 6													Print≤≤	SV2		200	1500	
O, Saturation %	≥ 94%													≥94%		Clinical Rev		erla	
on air or O ₁	91-93%							4					- 6	91-93%	Vital Sign	Resposes Cri	see Criteria Action Requin		
(Print)	6 90%													≤ 90%	Respiratory Rate	7 - 10 treaths.) min OR 25	35 breaths / min	Inform Nurse in Charge (NIC)	
O _x Flow Rate (Limin)	Print ≥ 10					1								Print ≥ 10	Coypen Solurations	91 - 99%		MC or deligate ensures:	
	8-9			_									- 1	8-9	(on air or O ₂)	31-221	infamorations do		
	6 - 7 4 - 5	_									-			6-7	Coygen flow rate	Any oxygen flow rate of 6L/nin or more Increase in O ₂ the rate of ≥ 4 L/nin If so respon			
3.2.2				-	-	_		-		-		-		4.5				If no response from HMO Indian IO once MC to tolore	
O, Mode of Delivery	Print ≤ 3			-	-					-				Print s 3	Bystolic Blood Pressure	and a significant contract of the property of	and the state of t	within 10 raiss, NIC to inform Register and request patient review	
O, Mode of Delivery	Print													Print	Heart Rate Temperature	41 - 90 OR 120 - 139 bs 436.00 OR > 35.00	as/mh		
	Print ≥ 200						1	-						Print ≥ 200			is mode	 If no response from Registrar within 10 mins, MC to do one 	
Blood Pressure	190													190	Correctious state	Previously alert putient now only responsive to wortal stimuli		of the following:	
(mmHg)	180													180	You are appoint any of the			- inform ICU Lieuch Name/ Alter Hours Co-ordinator	
Systolic BP	170													170	Other	You are worried ascut the patient but they do not fit he above criteria		- Activate MET call	
A A	180													160	9			- Inform Consultant	
T 1	150			_						_				150		MET	Call		
	140	_	-	-	-		-		-	-	-			140	The Control of the Co				
	120		-	-					_	-				130	Vital Sign	Response crit	teria	Action Required	
	110										1			110	Airway	Threatened		Activate on MET Call (dial 68)	
	100										1			100	Respiratory Rate	ssi brooths) min OR 2:36	min DR 236 breaths / min Parent unit to attend pal		
Diastolic BP	90										1			90	Oxygen Saturations (on air or O _i)	s90% • Registrar to ensure Consultant is notified			
1.6	.00											141		80	Systolic Blood Pressure			Consultant is notified	
(Call orbarts applies	70													70	Heart Rate	540 OR 2140 bals / min			
to SBP only)	50 50	_	-									-		60	Conscious state	Any unerpedied decreas			
	Print ≤ 40													Print≤40		in level of conscourness • Fall in GCS >2 joints			
	Print≥ 160	-			1			_			1			Print≥ 160		+ Seizures (CH artinate D	ode Blue)	. Xi	
	150													160	Other	Serious concer Uncontrolled per			
	140							0-0						140		* Orecretice pair			
	130						1:		7				- 0	130	and the second	Code Blue			
Heart Rate	1,20				1				7.4					120	Respons	e Criteria		Action Required	
(beats/min)	110		_									-		110	. Not breathing or absono	wathing or absence of normal breathing - Activate a Code Blue call (dial 88)		Code Blue call (dist 88)	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100		-		-						-			100	Unresponsive Absence of movement Seturns (CH only) A Code Blue will be activated for outpatients, calf.		Parent and		
	80													90 80					
	70													70					
	60													60					
	50							0						50	8. visitors requiring a Medical Entergency Response				
	Print ≤ 40													Print s 40	General Instructions				
		_					-		-					-	You must record a full set of physiological observations:				
Terepurature (C)	Print ≥ 40													Print ≥ 40	On admission or fellol assessment				
	39 - 39.9													39 - 39.9	Piter to and after traveler from one clinical area to another				
	38 - 38.9													38 - 38.9	The patient is deteriorating Whenever you are concerned about a patien All a frequency appropriate for the patients discollated (institution of three times a day at right hours) interval unlarge otherwise documented).				
	36 - 36.9												-	36 - 36.8					
	35 - 35.9						17			- 1				35 - 35.9				a daysemented)	
	Print ≤ 34.9													Print ≤ 34.9	Feller to Minimum Standard of Messuring and Jocumenting Adult Physiological Observations (PH 1211)				
Consciousness If necessary, sales patient before scaring	Net					0		22 27		3			- 4	Alert	- When graphing observations, place a dut in line with the corresponding value and connect it to				
	Yolce												-	Voice	the previous dot with a straight line. For bloor pressure, use the symbol indicated on the chart				
	Pain													Pain	Whenever an observation falls within a yellow or pulple area, follow the actions described in the Clinical Review, MET Call and Code Blue boxes above unless a modification has been reade.				
	Unresponsive						4	0, 3,						Unresponsive	Hoteanvalons are within pellow and people areas at the same time, follow the actions required for the people area.				
Pain Score	At Rest													AtRest					
Store (I) - Warst (XI)	Movement													Movement	O, Mode of Delivery / Respiratory Device				
												-			RA = Room Air		H = Humidili	er .	
	erre (initials)			_				-			_				NP = Nasal Prongs		R = Non Ra-	Bredtir	
re	Intervention														HU - Hutson Mask			vasive Ventilation	

Escalation Policy

- Pt meets CRC
- Nurse In Charge (NIC) / Resource nurse notified;
 - Performs nursing assessment
 - Implements & documents nursing interventions
 - Informs HMO of clinical scenario and plan if required
- Deterioration reversed / mitigated
- Resource nurse / NIC key role Assessment



Immediate Response Training (IRT)

- Program to train resource nurses / NIC pilot on trauma ward
- 3 phase approach
 - Pre-Learning
 - Study Day
 - Post-Assessment

Pilot

- Trauma Ward
- Nurse in Charge / Resource Group
- 14 of 16 leadership staff attended

Pre Learning

- LMS module developed
- Mandatory pre learning package
- Pre learning quiz

Menu

Navigation

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Immediate Response Training

Immediate Response Training

Welcome to the **Immediate Response Training** online package.

There is a Quiz to take once this learning package is complete.



Use the "Next" and "Prev" buttons at the bottom right of the slides to navigate through this learning package.







Study Day

- Focus on hands-on practical stations and low fidelity scenarios
 - Clinical Review Criteria
 - MET
 - Code



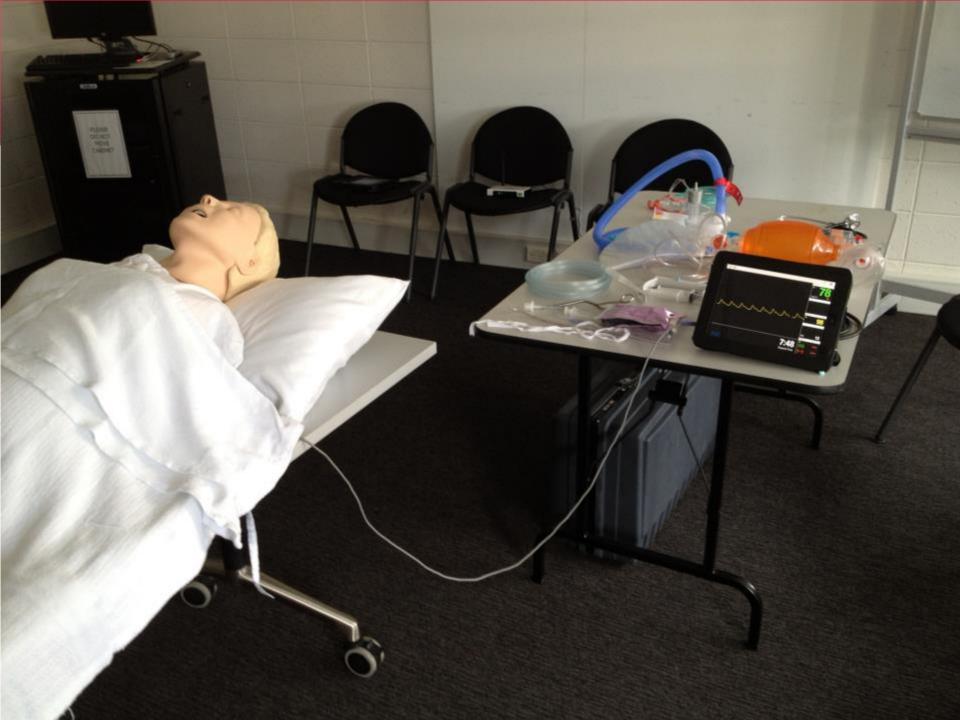
Immediate Response Training (IRT) AlfredHealth

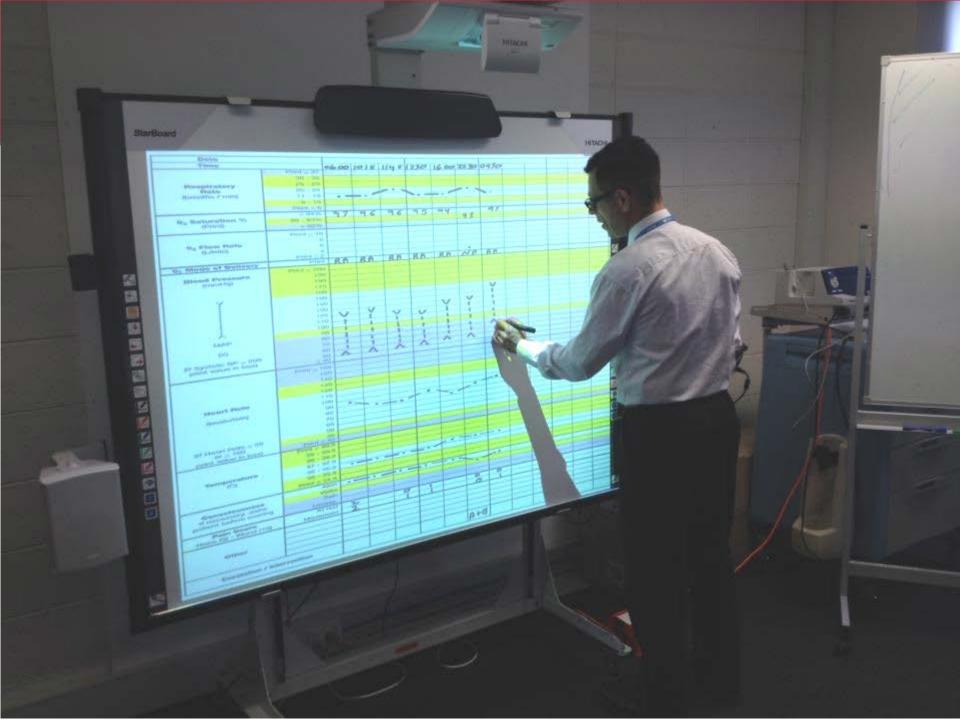
0830 - 0835	Welcome and Introductions	
0835 – 0915	Skill Station: A to E Assessment	
0915 – 1000	Crisis Resource Management	
1000 - 1015	MORNING TEA	
1015 – 1130	Skill Station: Airway & Breathing	
1130 - 1230	Cardiac Monitoring and the Deteriorating Patient	
1230 – 1300	LUNCH	
1300 – 1400	Scenario One	
1400–1500	Scenario Two	
1500 – 1515	AFTERNOON TEA	
1515 – 1615	Scenario Three	
1615 – 1630	Debrief & Evaluation	







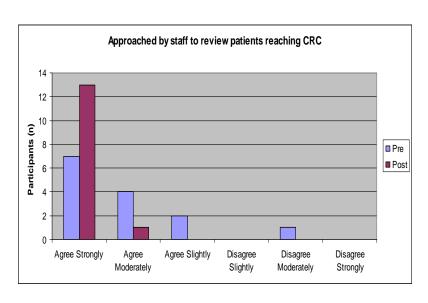


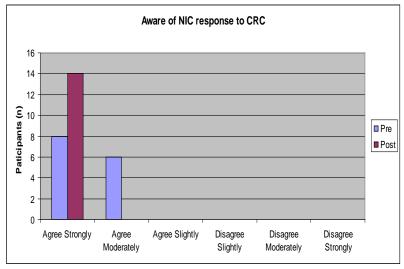


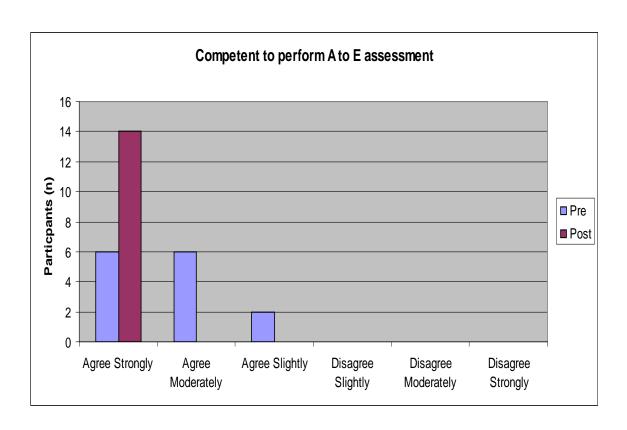
Post Assessment

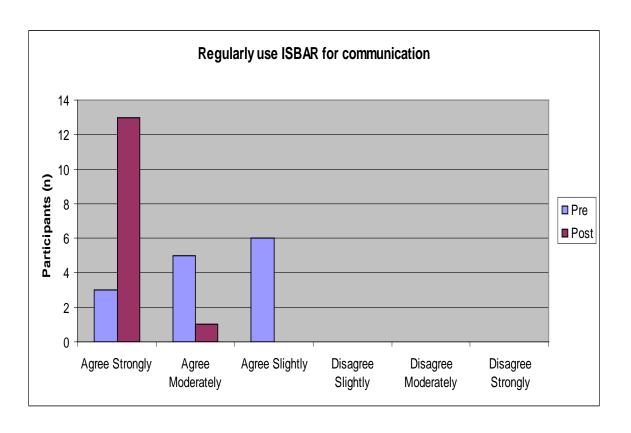
- Supervised A to E assessment under clinical conditions
- Typically MET / Code event
- Mandatory Feedback
- Completion Certificate

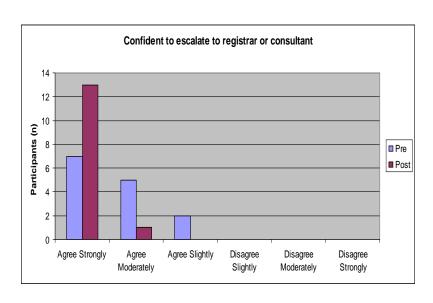
Results – 1 month post course

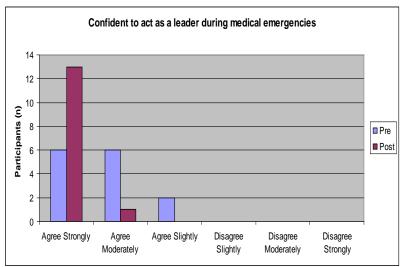


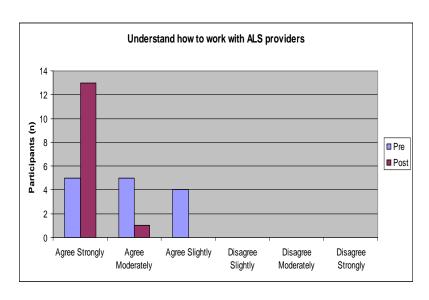


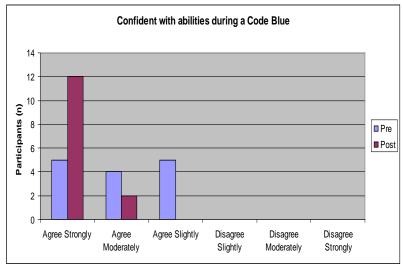


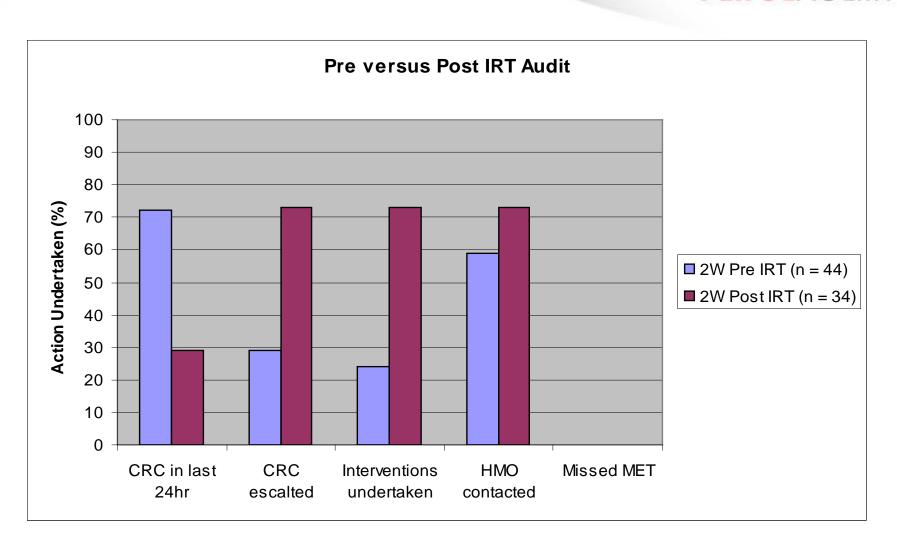


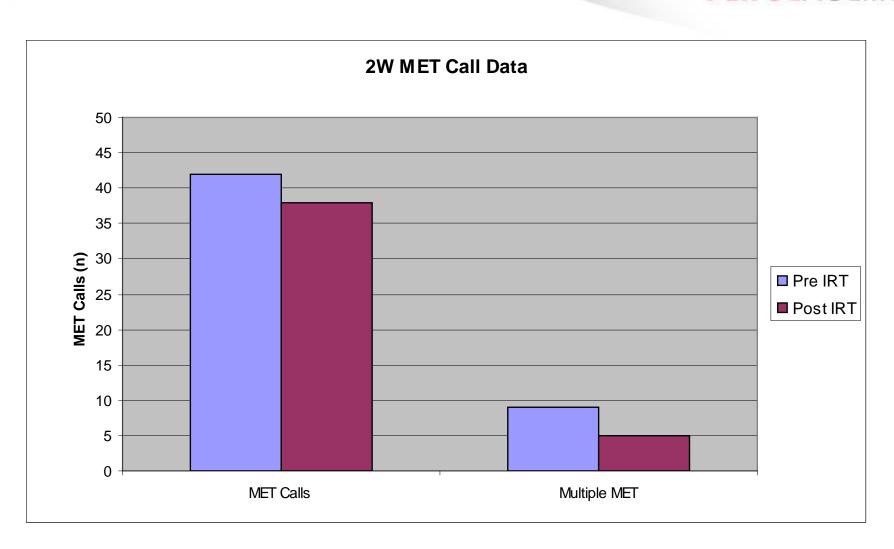












Post pilot and the road ahead?

- Roll out to all NIC across 3 sites
- Pathway to being a nurse in charge
- Patient and Family activated escalation

Participant Feedback

"Just wanted to say thanks again for a really awesome study day on Thursday. It was very impressive and very well put together, set up, presented and the interactive and hands on experience was excellent"

"I personally appreciated the education and particularly found the assisting with intubation skills beneficial (I have actually been stressing about this lately and have been meaning to get my CSDN to do some education with me!!!)"

Just wanted to pass on the positive kudos, you have clearly put a lot of time, energy and thought into it and it definitely shows and rewards"

"As an ICU liaison nurse I have seen the nurses who have completed IRT on 2 West put their A to E assessments into practice during MET calls, advocating for their patients and acting as leaders during medical emergencies"