Welcome **Basic Health Observations**





The 'Care To Step Up' programme is part-funded by:

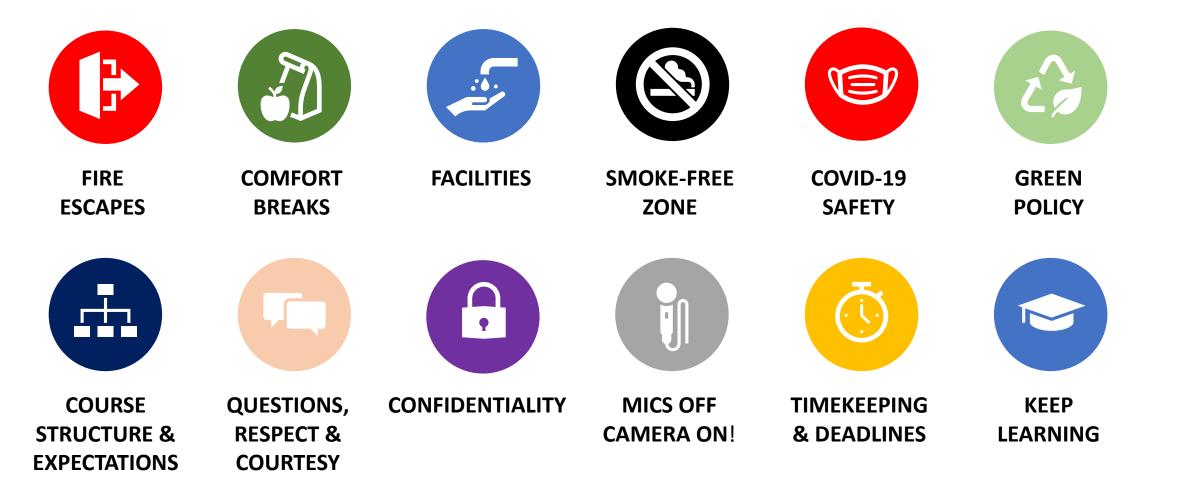
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Housekeeping







Introductions!



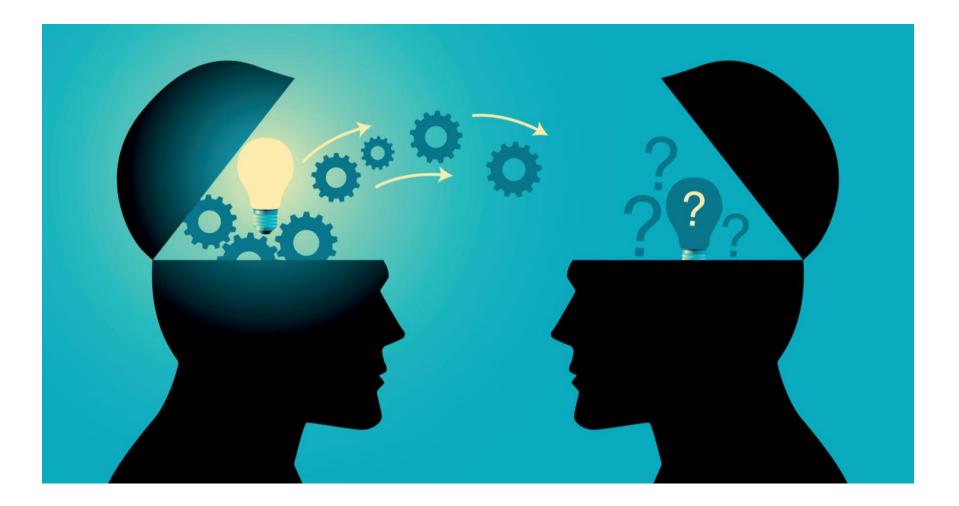


Learning Objectives

- Identify the different types of Basic Health Observations and their purpose.
- Recognise when a individual may be deteriorating or at risk of physical deterioration, using Restore 2 soft signs tool
- Explain how you would react appropriately to a deteriorating individual taking their advanced care plans into consideration
- Demonstrate or describe how you would obtain a complete set of physical observations using a basic health observations kit.
- Demonstrate how to provide a concise handover to health professionals to support their professional decision using the SBARD escalation tool.
- Describe how to use the Hertfordshire escalation tool to identify the appropriate actions to take with a deteriorating individual



Where are you now?





What are the 5 different types of Basic Health Observations?

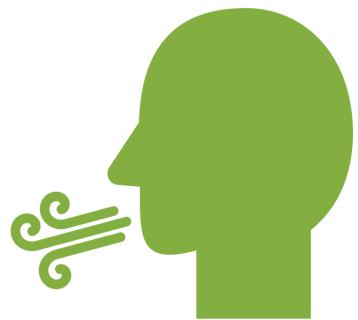


5 different types of Basic Health Observations





How many times do you think we breathe in a minute?







- A normal range is between 12-20 breaths per minute
- What can cause an abnormal respiratory rate reading?
- What can we do about it?

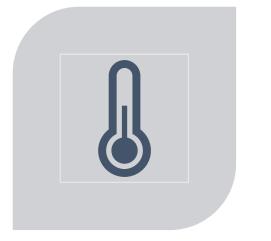
RESPIRATORY RATE

Measuring respiratory rate

- Can you think of some troubleshooting tips?
- Count the number of breaths for one minute by counting how many times the chest rises
- Make sure you have a watch or timer
- Split into groups and practice!







The range for a normal body temperature can range from 36.1-38°C for a healthy adult.

- What can cause an abnormal temperature reading?
- What can we do about it?

TEMPERATURE

Temperature: Ear thermometers

- Can you think of some troubleshooting tips?
- Place a clean cap on thermometer
- Place the ear probe snugly in the ear canal direct towards opposite temple
- Take measurement and then dispose of used hygiene cap.
- Wear correct PPE for close contact

Comfort break

Your session will resume shortly...





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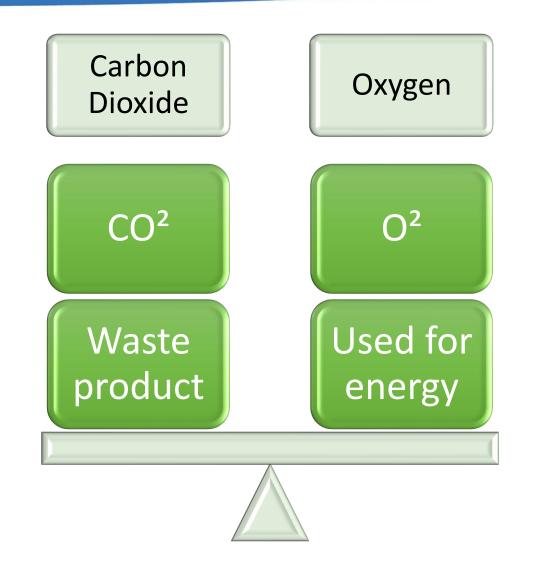


OXYGEN SATURATIONS

- SCALE 1: 96% above SCALE 2: 88-92%
- Oxygen saturations show how efficiently blood is carrying oxygen
- The human body requires a very precise balance of oxygen in the blood.
- What can cause abnormal oxygen reading?
- What can we do about it?



Scale 2



hcpa \$

Scale 2



Oxygen Saturations: Pulse Oximeter

- Can you think of some troubleshooting tips?
- Non-invasive and painless test that will measure your oxygen saturation levels along with your heart rate
- Clip-like device will be placed on your finger or toe.







PRESSURE

- A normal reading is between 90/60 or 120/80
- Blood pressure is a measure of the force that your heart uses to pump bloody around the body
- Orthostatic hypotension (postural drop)
- What might cause an abnormal BP reading?
- What can we do about it?

Blood Pressure machine

- Can you think of some troubleshooting tips?
- Place the cuff on your upper arm with the wire running down the middle
- While taking the measurement, make sure the individual rests their arm, keeps still, and avoids talking





HEART RATE

- A normal resting heart rate ranges from 51-90 BPM
- Heart rate is expressed as beats per minute (BPM)
- Some athletes may have a lower resting heart rate around 40 BPM
- Heart rate will be measured when taking BP and using the pulse oximeter
- What can cause an abnormal reading?
- What can affect the accuracy of the test?

Basic Health Observations ranges:

RESPIRATORY RATE	12-20 BREATHS PER MIN	
TEMPERATURE	36.1-38	
OXYGEN SATURATIONS	SCALE 1: 96% ABOVE SCALE 2: 88-92%	
BLOOD PRESSURE	90/60 BETWEEN 120/80	
HEART RATE	51-90 BPM	



Prevention of admission

- Early detection of deterioration enables swift intervention
- Prevents unnecessary or inappropriate hospital admissions
- Better outcome for the individual



Palliative care

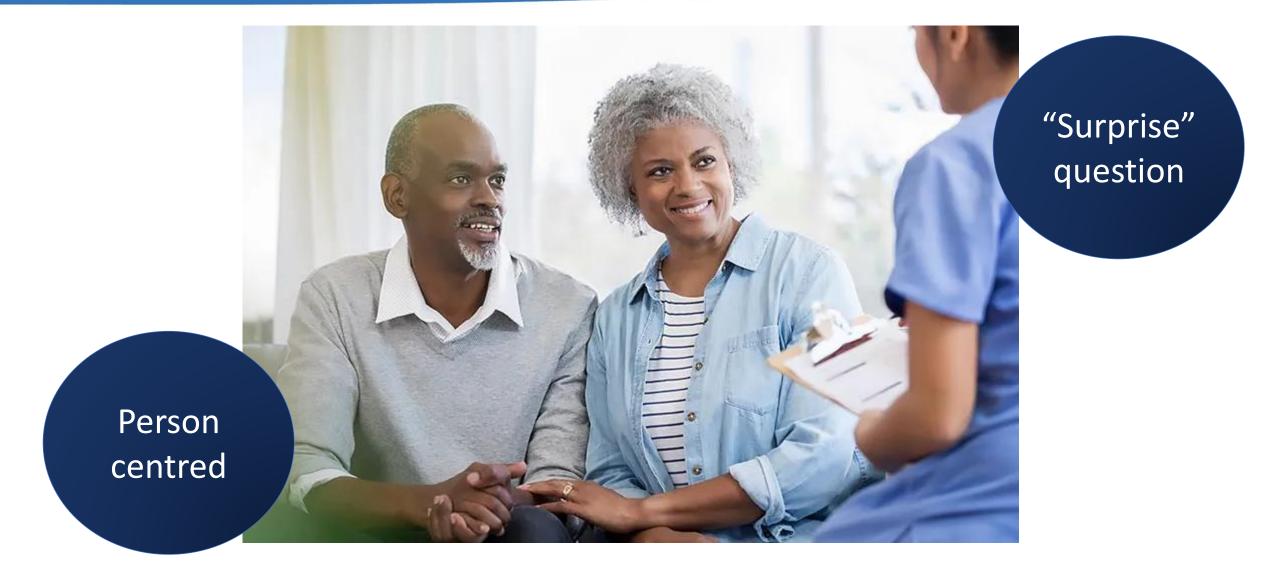
- Taking observations can be helpful in identifying individuals that are coming to the end of their life
- Once an individual is identified as receiving end of life care, observation taking should be ceased
- Care professionals need to know where documents are and their individual's wishes



What is an Advanced Care Plan (ACP)?

Advanced Care Plan

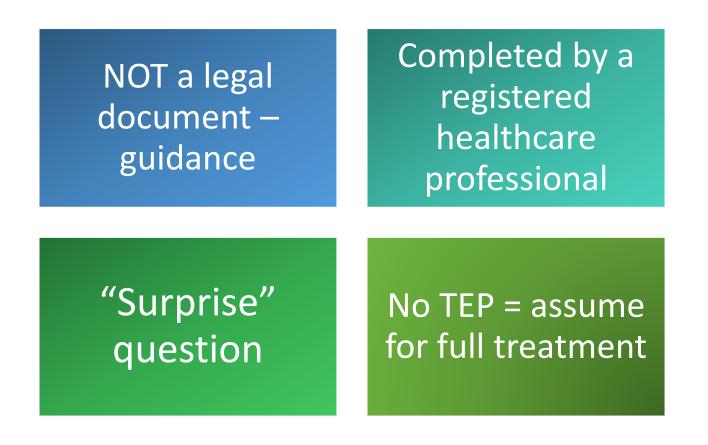






What is a treatment escalation plan?

Treatment Escalation Plan



Name: NHS No: DOB:			He	rtfordshire	Communi NHS Tr	ty NH
	reatment Es					
Inis to	orm is for clinical g	guidance it do	es not replac	e clinical	Judgen	ient
A TEP describes the	interventions that would Review TUP when	d be considered in the rever clinically appre	ne event of a clini opriate.	cal deterioral	tion.	
Would you be surprised	RECTANCY if this patient died w 2 months?	ithin the	→ If No –	docum added Frame patien the las	ete TEP for ent patient t to the Gold work (GSF). t is thought t t days/hours ast Day of L	obe Standard If the obe in of life,
MENTA Do you have any reason t individual to be involved it			→ If Yes –		iete the Stag I Capacity sment on Sy	stmOne.
Is the patient for Cardiopulmonary If YES – For full escalation of care If NO – Complete HERTS DNACPI		actions of TEP helow			Yes	No
In the event of a sudden deteriorati						
Would invasive ventilation be appre	opriate?					
Would intravenous fluids be approp Would artificial nutrition support be						
Would intravenous antibiotics be a						<u> </u>
Would oral antibiotics be appropria	ie?					
Would blood products be appropria						
Would oxygen therapy be appropri- Would subcutaneous fluids be app						<u> </u>
Would subcatalieous indus be app Would the patient accept urinary ca					<u> </u>	<u> </u>
Does the patient have an advanced		ent?				<u> </u>
If so, where is it kept:						
Does the patient have a lasting por Name: Relativ						
Contact number:						
Have you seen a copy of the LPA? Is there anything else to consider?						
Summary of discussion with patien of discussion with NOK/relative/car			it: (if not discusse	d, document	reason) or	summary
Has a discussion with other memb	ers of the multi-disciplinar	y team occurred and	documented on s	system one?		
Has an Advance Care Plan been YES NO	discussed with patient		ENSURE CARDIOPULM DNACPRI form 1		SUSCITATI	
Clinician completing TEP Name:	Role:		Date:			
Signature:			Time:			
Review and endorsement t Name:	y responsible Seni	or Clinician	Date:			
Signature:			Time:			





What is a DNAR?



Do Not Attempt Resuscitation



DO NOT ATTEMPT CARDIOPULI	MONARY RESUSCITATION
Adults aged 16 years	and over DNACPRadult.1(2015)
Name	Date of DNACPR decision:
Address	1 1
Date of birth	
NHS number	DO NOT PHOTOCOPY
In the event of cardiac or respiratory arrest no attem are intended. All other appropriate treat	
1 Does the patient have capacity to make and commun If "YES" go to box 2	icate decisions about CPR? YES / NO
If "NO", are you aware of a valid advance decision refus the current condition?" If "YES" go to box 6	ng CPR which is relevant to YES / NO
If "NO", has the patient appointed a Welfare Attorney to r If "YES" they must be consulted.	nake decisions on their behalf? YES / NO
All other decisions must be made in the patient's best int Go to box 2	erests and comply with current law.
Summary of the main clinical problems and reasons unsuccessful or not in the patient's best interests: Summary of communication with patient (or Welfare discussed with the patient or Welfare Attorney state)	Attorney). If this decision has not been
unsuccessful or not in the patient's best interests: Summary of communication with patient (or Welfare	Attorney). If this decision has not been he reason why:
unsuccessful or not in the patient's best interests: Summary of communication with patient (or Welfare discussed with the patient or Welfare Attorney state	Attorney). If this decision has not been he reason why: r friends:
unsuccessful or not in the patient's best interests: Summary of communication with patient (or Welfare discussed with the patient or Welfare Attorney state) Summary of communication with patient's relatives of Names of members of multidisciplinary team contrib Healthcare professional recording this DNACPR decided	Attorney). If this decision has not been the reason why: r friends: uting to this decision:
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Advanced Decision to Refuse Treatment

The individual can refuse some treatments but not others.

A legal document – Kept with the individual

Made by the individual when they have capacity.

This Advance the situations treatment sho communicate t carefully consid that I have capace that decisions sh	<section-header></section-header>	<section-header><section-header><text><text><text><text></text></text></text></text></section-header></section-header>
255:		
birth:	NHS number:	

Comfort break

Your session will resume shortly...





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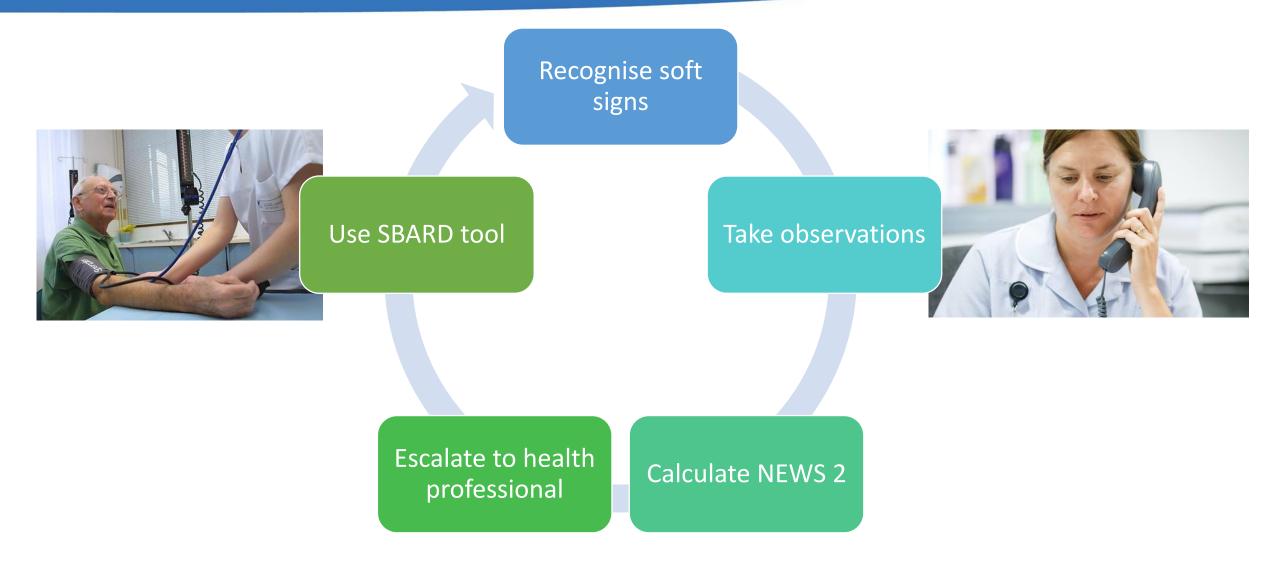


RESTORE 2 Tool





What is Restore 2?





RESTORE 2 Tool STEP ONE: Recognising soft signs



Recognise Early Soft Signs, Take Observations, Respond, Escalate



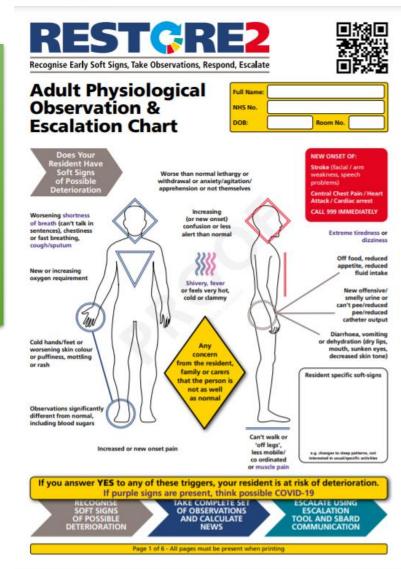
What are some signs that an individual is deteriorating?



Soft signs – stage 1

Mr M 55 year old man with Down's Syndrome

What soft signs might you expect in Mr M?



Mrs D 89 year old lady with COPD and dementia

What soft signs might you expect in Mrs D?



Soft signs: Stage one

"How are you feeling today?"









Facial weakness

Arm weakness Speech

Time problems to call 999



Stroke signs

- Medical emergency = "life or limb"
- How many neurons are lost each hour that stroke is left untreated?



120 MILLION NEURONS 830 BILLION SYNAPSES 447 MILES OF BRAIN CELL FIBRE

Heart Attack Signs:

- Chest pain
- Weakness/feeling lightheaded or dizzy
- Sweating
- Shortness of breath
- Overwhelming sense of anxiety



Sepsis







Consciousness Level of alertness

Anything other than alert = NEWS score 3

📀 🛛 V = VERBAL

P = PAIN





Non-compliance with observations

An individual refuses to have their observations taken due to their confusion. What actions would you take in this instance?





RESTORE 2 Tool STEP TWO: Taking observations

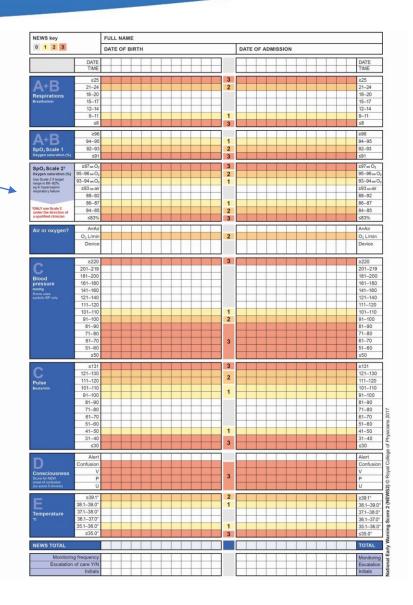


Recognise Early Soft Signs, Take Observations, Respond, Escalate



Recording Observations RESTORE 2

- Must be printed in colour
- Cross through the oxygen scale not being used
- Mark the vital signs in the correct place
- Accurately date, time and sign your entry
- Carefully add up the scores for each vital sign
- Always re-check your work





Working in your groups, look at the case study and record the observation readings onto the RESTORE 2 tool



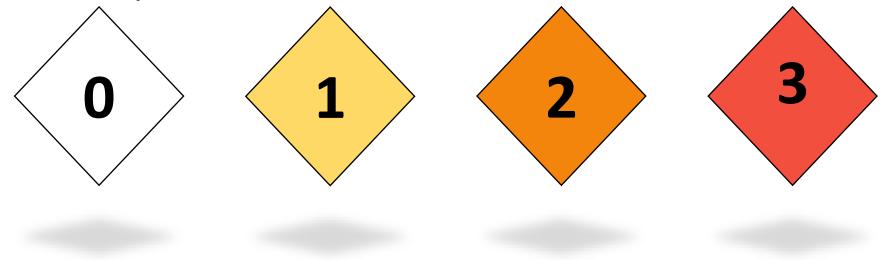
RESTORE 2 Tool STEP THREE: Calculate the NEWS score





Each vital sign measurement is given a score.

The score ranges from zero (normal), and three (very abnormal). Two points are given if someone is on oxygen therapy. In total this gives a NEWS score between 0-20. The higher the score the more unwell the person is likely to be.



How to calculate a NEWS

- You must have all six vital signs to calculate a NEWS
- Make sure you consider what the person's normal NEWS is and recognise that a high NEWS is likely to mean the person is unwell
- Carefully add the numbers up to reach the correct score

NEWS2 supports you to raise a concern but never ignore your gut feeling, even if the NEWS is normal. If you feel a person is unwell, always tell your manager or a senior colleague.

	Suggested Actions (always consider the resident's total NEW52 in relation to their normal reference score) Observe – likely stable enough to remain at home Excellent of any distall concerns / gut facing		
0			
1	Immediate senior staff review, escalate d concerned. Repeat observations within 6 hours. If next observations remain elevated with no obvious cause arrange for GP review suggested within 24 hours. If NEWS is worsenerg, move to appropriate stualation point.		
2	Immediate sensor staff newsw, if no improvement in NEWS for the same within 2 hours, seek GP telephone assessment within 2 hours +/ GP review within 8 hours. If NEWS is isometing, move to appropriate escalation point.		
3-4 3	Repeat observations within 30 minutes. If observations = NEWS +3 or more, only urgent GP telephone or take to face review within 2 hours. If NEWS is wortaining, move to appropriate escalation point.		
5-6	immediate clinical review/tablice required. Refer to GP using surgery types: number or use NHS.1 to constant out of hours. Urgent transfer to houghtal within 1 hour may be required		
7+	Admission to hospital should be in line with any appropriate, agreed and documented plan of care.		
	Elve light 999 call with transfer to hospital (15 minutes), follow guidence of call handler		



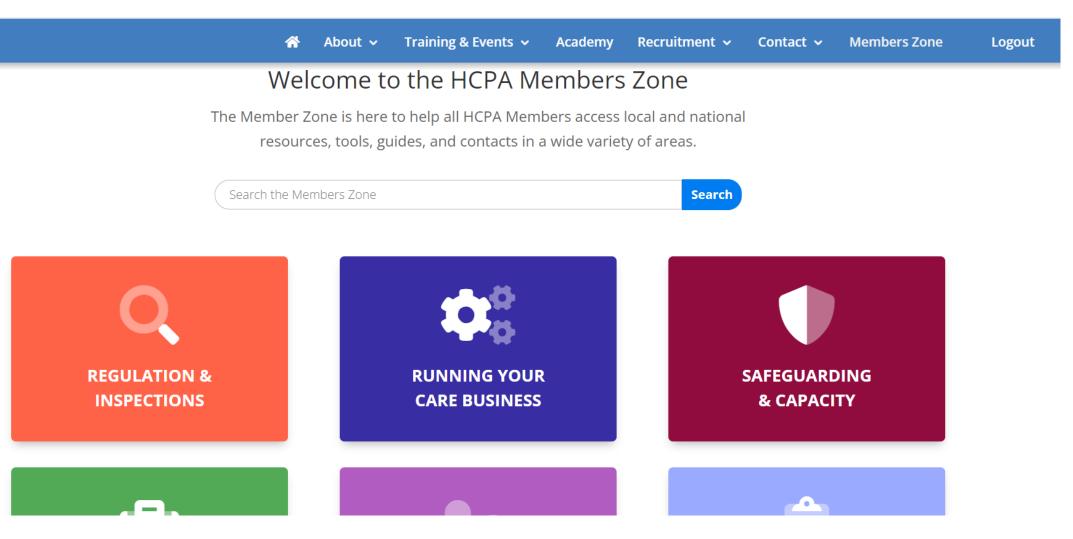
Hertfordshire Escalation Tool

Based upon the NEWS score for each case study, identify the most appropriate course of action

RESTORE2 ESCALATION T	RESTORE2 ESCALATION TOOL			
Risk category Observation frequency	ACTIONS (Normal Operating Hours Mon-Fri 8am-6.30pm): Always consider the resident's total NEWS 2 in relation to their total reference score and other soft signs of deterioration (NOTE: Use this process during NORMAL OPERATING HOURS between Mon-Fri, 8am-6.30pm. For anything outside of these hours please see next column – OUT OF HOURS)	ACTIONS FOR OUT OF HOURS ESCALATION PROCESS (NOTE: Use this process for anything outside of normal operating hours – PLEASE SEE BELOW FOR FULL DETAILS & WHO TO CONTACT)		
Preventure Total/aggregated NEWS score of 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	 Complete routine observations. If resident's NEWS score remains consistent and they are not showing soft signs of deterioration continue to monitor and arrange for clinical review by most appropriate health care professional If there is a new concern or change in resident's health/soft signs continue to monitor and arrange for more urgent clinical review by most appropriate health care professional Consider contacting other services for further guidance and support e.g. Care the Practitioners/Frailty Nurser HPFT, https://www.concern.com/international/concernatinternational/concernational/concernatinternationa/concernati	123 7571 option 2 for further support.	North	
Low to medium riskRepeat every hourTotal/aggregated NEWS score of 2-4Provide the second or a single score of 3 in any NEWS observationRepeat every hourHigh risk Total/Aggregated NEWS score 5-6Repeat every 15 minutes	 Complete observations and look out for early warning signed soft eigns of deterioration If there is a new concern or change in resident's health. Contact GP Consider contacting other services for further guidance a supplicit of the Pr thomes all the Pr t	 Monday-Sunday, 6.30pm-8am call 111 option 6 for further support Between 8am-8pm, 7 days a week call the HCT POA service on 0300 123 7571 option 2 for further support. If twant of the support o		
Emergency Total/Aggregated NEWS score 7 Continuous monitoring a observations until transfer intervention from other professionals	the first instance. They can organise palliative care and can make onward referrals to other services such as POA	 If they want to go to hospital call 999 and follow guidance of call handler Monday-Sunday, 6.30pm-8am call 111 option 6 for further support Between 8am-8pm, 7 days a week call the HCT POA service on 0300 123 7571 option 2 for further support. If POA unable to respond within appropriate timescale they will call 999. 		

Members Zone







RESTORE 2 Tool STEP FOUR: SBARD escalation tool



SBARD reporting tool



SBARD is a reporting tool and action tracker to get your message across effectively. Being able to communicate effectively is critical for everyone working with individuals.

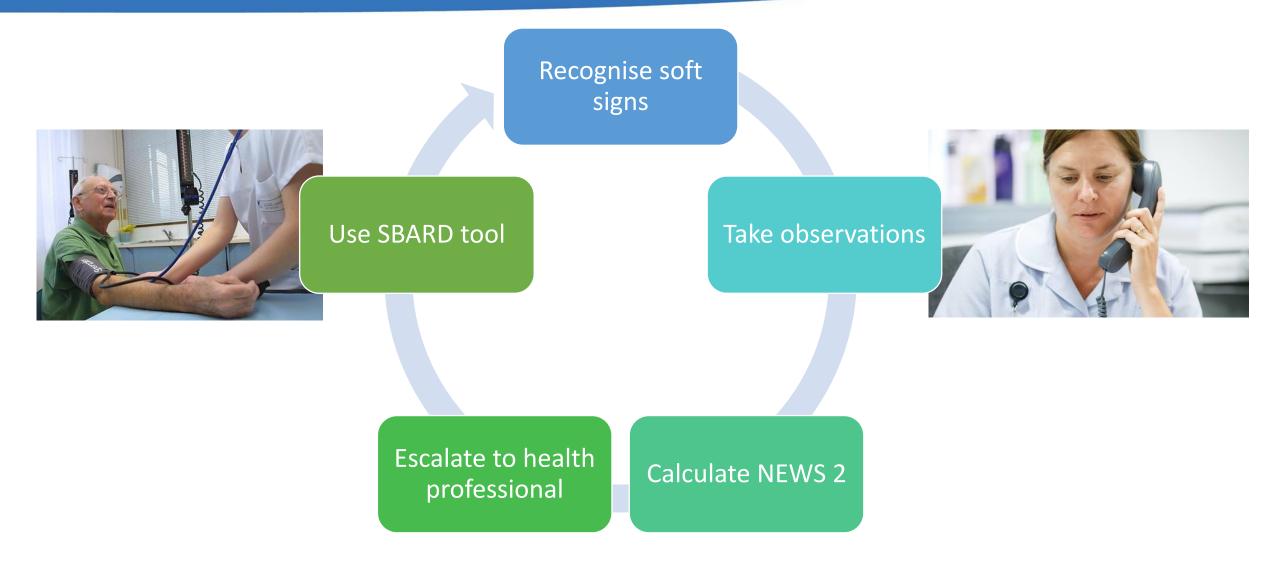




In your groups refer to the case study and use the SBARD tool to practice how you would contact the support required.



What is Restore 2?



Share something you've learnt with the group today that you will take away into your place of work.



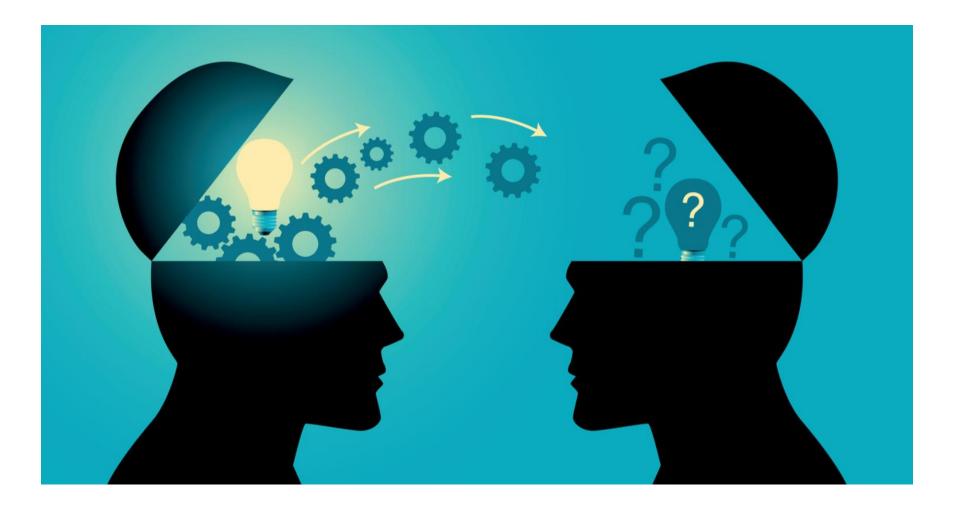


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Where are you now? - Recap



Thank you for joining us

Please remember to leave feedback

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are Professiona

Standards Acader





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