





Basic Observation training and clinical frailty scoring

November 2023

Working together for a healthier future



# Why do we take clinical observations?

- A set of clinical observations can give many indications of general deterioration
- Point to signs of infection
- Underlying conditions that have not yet been diagnosed
- Observations are really helpful for a clinician assessing a patient, especially via phone or video call



# What is blood pressure?

Blood pressure is a measure of the force that the heart uses to pump blood around the body.

## There are 2 readings:

- Systolic pressure when the heart pumps
- Diastolic pressure when the heart relaxes

They are written systolic/ diastolic. The units of measurement are mmHg (stands for millimetres of mercury)



# What is blood pressure?

For example, if your blood pressure is "140 over 90" or 140/90mmHg, it means you have a systolic pressure of 140mmHg and a diastolic pressure of 90mmHg.

Systolic = top number of a blood pressure reading

Diastolic = bottom number of a blood pressure reading







# What is blood pressure?

For most of life, we want to make sure BP readings are not too high. This will be most important for residents in MH or LD homes and fitter older residents.

In frail older age, low blood pressure can become more of a problem.

**High Blood Pressure** 



# What is normal blood pressure?

### As a general guide in a younger person:

- Normal blood pressure is considered to be between 90/60mmHg and 120/80mmHg
- High blood pressure is considered to be 140/90mmHg or higher
- Low blood pressure is considered to be 90/60mmHg or lower

Blood Pressure Category	Systolic mm Hg (upper #)		Diastolic mm Hg (lower #)
Low blood pressure (Hypotension)	less than 90	or	less than 60
Normal	90 to 120	and	60 to 80
Prehypertension	120-139	or	80-89
High Blood Pressure (Hypertension Stage 1)	140-159	or	90-99
High Blood Pressure (Hypertension Stage 2)	160 or higher	or	100 or higher
High Blood Pressure Crisis (Seek Emergency Care)	180 or higher	or	110 or higher





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# What is high blood pressure?

High blood pressure is considered to be 140/90mmHg or higher (150/90mmHg or higher if you're over the age of 80)

### Risks of high blood pressure

High blood pressure, or hypertension, rarely has noticeable symptoms.

If a blood pressure is too high, it puts extra strain on your blood vessels, heart and other organs, such as the brain, kidneys and eyes.



# **High blood Pressure**

Persistent high blood pressure can increase your risk of a number of serious and potentially life-threatening health conditions, such as:

- Heart disease
- Heart attacks
- Strokes
- Heart failure
- Peripheral arterial disease
- Aortic aneurysms
- Kidney disease
- · Vascular dementia





## What is Low Blood Pressure?

Low blood pressure is a reading of 90/60mmHg or less. It does not always cause symptoms. It is a common problem in older residents and an important cause of falls.

Low blood pressure, or hypotension, can sometimes have the following symptoms:

- Light headedness or dizziness
- feeling sick
- blurred vision
- generally feeling weak
- confusion
- Fainting





## **Low Blood Pressure**

## If a resident suffers with low blood pressure the following may help:

- Get up slowly from sitting to standing
- Take care when getting out of bed move slowly from lying to sitting to standing
- Raise the head of your bed by about 15cm (6 inches) contact appropriate healthcare professional for equipment
- Eat small, frequent meals lying down or sitting still for a while after eating may also help
- Increase the amount of water you drink



# How to take an electronic blood pressure

## It is really important that the person is relaxed, so:

- Sitting back in their chair
- Arm supported at chest height
- Calm and NOT talking

#### If in bed:

• Lying with pillows and arm by their side

Video - How to take someone's blood pressure





# How to take a temperature using a tympanic thermometer

- Gain consent and wash your hands
- Place a cover over the probe of the thermometer, this provides infection control
- Hold the thermometer in your dominant hand
- With your non dominant hand straighten the residents external ear
- Gently pull the upper ear outward and back
- Insert the probe gently into the residents ear canal
- Seal the probe tightly without causing discomfort and wait for the beep
- Remove the probe and discard the plastic cover
- Record the temperature as shown on the display of the thermometer

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Clean all equipment ready for next use





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# How to take a temperature using a tympanic thermometer

Video - <u>Taking a Tympanic Temperature</u>



# Why do we take a pulse oximeter reading?

A pulse oximeter measure the amount of oxygen in the blood.

It is known as an oxygen saturation – how much is the blood "saturated" or filled with oxygen. Called a %Sp02. Most pulse oximeters also record a heart rate (pulse).





# How to take a pulse oximeter reading

- Gain consent and wash your hands
- Ensure any nail varnish is removed from the finger you are preparing to use as this can give a false reading
- Place oximeter over the end of the finger with display facing up and wait for the display to confirm a %
- The oximeter display shows the percentage of oxygen in your blood. For someone who's healthy, the normal blood oxygen saturation level will be around 95–100%
- Record as appropriate
- Clean all equipment ready for next use

Video - Use of a pulse oximeter





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# **Heart Rate or Pulse Readings**

- The Heart Rate or Pulse is the number of times the heart beats in a minute.
- This is also measured by most blood pressure readings.
- Most pulse readings will be between 60 and 100 beats per minute.



# **Practical session**





# **Recording observations**

## **Ensure following is recorded:**

- Date and time reading is taken
- Both readings are recorded
- Position of resident; sitting/standing or bedbound
- Any other concerns, that you have observed





# **Recording observations**

Date	Time	BP reading	Pulse	Sitting	Standing	Comments





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# **Key tasks**

	Performance criteria	Comments	Competence achieved (date/sign)
1	Give the individual relevant information		
	and support in a manner sensitive to		
	their needs		
2	Gain valid consent to carry out the task		
	of taking an electronic blood pressure		
	reading		
3	Check the individual's identity and		
	confirm the planned action		
4	Apply standard precautions for infection		
	and prevention control		
5	Use the appropriate equipment to obtain		
	an accurate measurement		



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# **Key tasks**

	Performance criteria	Comments	Competence achieved (date/sign)
	Reassure individual throughout the process and answer any questions and concerns they may have within your own realm of competence		
7	Escalate any concerns from the reading to the appropriate healthcare professional		
8	Seek a further recording of the measurement by another staff member if you are unable to obtain the reading or are unsure		





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# **Key tasks**

	Performance criteria	Comments	Competence achieved (date/sign)
9	Identify and respond immediately if		
	there are any significant changes in the		
	residents condition		
10	Recognise and report any		
	measurement which falls outside of		
	normal reading to the residents GP		
11	Record your findings accurately in the		
	appropriate documentation		
12	Clean used equipment and return to		
	usual place of storage		





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## Deterioration and escalation tool for residential and nursing homes

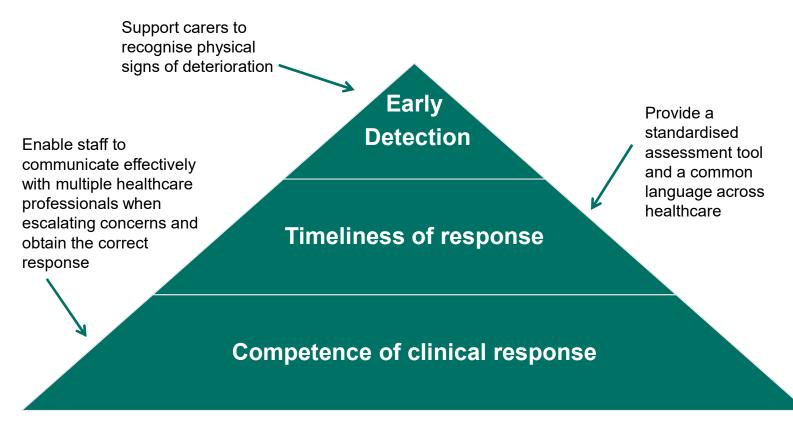
#### What is Restore 2?

Restore 2 is a deterioration and escalation tool for residential and nursing homes.

This approach allows care home staff to communicate with outside healthcare professionals including GP's by:

- Using evidence based methods to help care home staff recognise and communicate concerns about early deterioration in a resident
- By using these tools care homes are able to speak the same language, using proven techniques such as NEWS 2 and SBAR









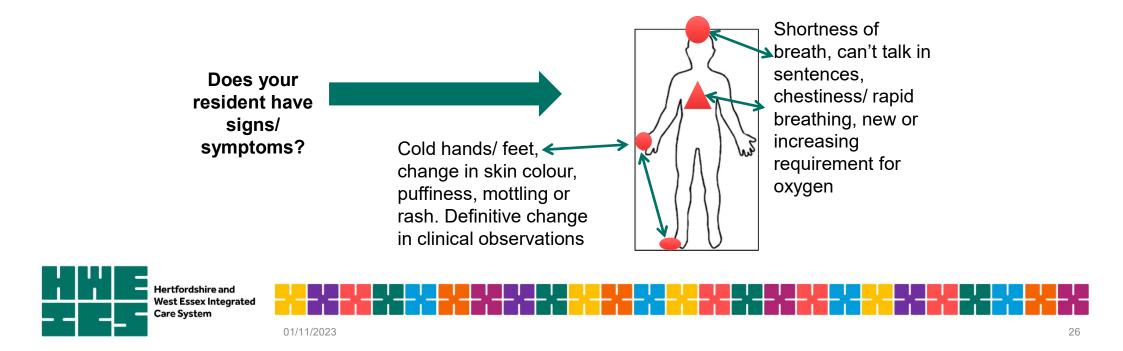
Video - An introduction to RESTORE 2

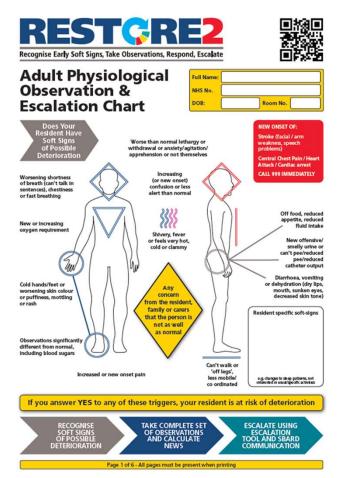




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Signs of deterioration provide relevant prompts for staff and an entry point into NEWS2 observations







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How to use	RESTORE2
of unwell residents. It is not and any agreed limits of tre-	In Mational Early Warning Score (NIMX2) promotes a standardized repones to the automent and management, and management and man
and as well as usual) to su	d (total) NEWS - it is important that you understand the residents normal NEWS (the score when they are stable pport appropriate escalation. You should try and establish what is normal for residents on admission with a plinary team (e.g. General Practitioner, fraily practitioner).
<ul> <li>Only a Medical Profession levels as part of a diagnos</li> </ul>	nai can authorise use of the hypercapnic respiratory failure scale for residents who normally have low oxygen sed condition (e.g. COPD)
	routine observations as per your local policy. If your resident shows ANY of the soft signs of deterioration, record WS immediately on the chart and follow the escalation tool as appropriate, using SBARD to communicate
There may be a need to re- deterioration.	e-consider what is normal for the resident following any sustained improvement in their condition or non-acute

What is the resident normally like? What observations and NEWS are reasonable and safe for them? When would their GP want you to call them? What escalation has been agreed with the resident (or their advocate)?

#### End of Life (EOL) or Agreed Limit of Treatment

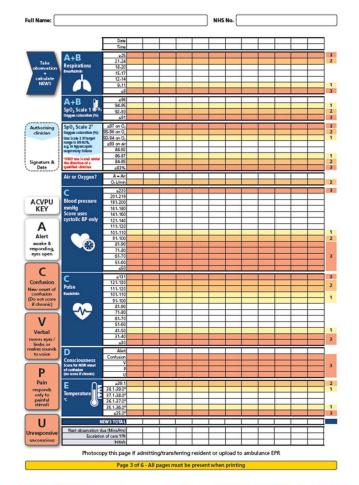
#### NEWS2 Escalation (get the right help early)

	Suggested Actions (always consider the resident's total NEWS2 in relation to their normal reference score)	Observations		
0	Observe – likely stable enough to remain at home Escalate if any clinical concerns / gut feeling			
1	Immediate serior staff review, escalate if concerned. Repeat observations within 6 hours. If ne observations remain elevated with no obvious cause arrange for GP review suggested within 2 hours. If NEWS is worsening, move to appropriate escalation point.			
2	Immediate serior staff review, if no improvement in NEWS (or the same) within 2 hours, seek telephone assessment within 2 hours +/- GP review within 6 hours. If NEWS is worsening, mov appropriate escalation point.			
3-4 Single Observation	Repeat observations within 30 minutes. If observations – NEWS +3 or more, seek urgent GP telephone or face to face review within 2 hours. If NEWS is worsening, move to appropriate escalation point.	At least every 30 minutes		
5-6	Immediate clinical reviewladvice required. Refer to GP using surgery bypass number or use NFC to contact out of hours. Urgent transfer to hospital within 1 hour may be required.	Every 15 minutes		
7+	Admission to hospital should be in line with any appropriate, agreed and documented plan of care.  Blue light 999 call with transfer to hospital (15 minutes), follow guidance of call handler	Continuous monitoring until transfer		



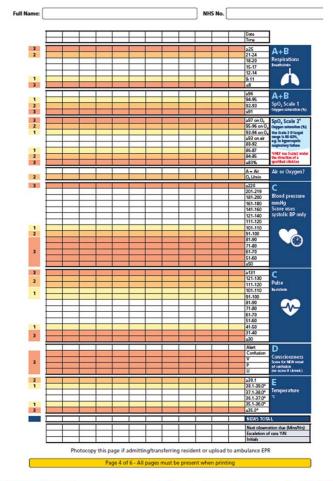


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#### **SBARD Escalation Tool and Action Tracker**

(get your message across)

#### REMEMBER TO SAY: The residents TOTAL NEWS SCORE is... NHS No. Notes Date, Time, Who Situation (briefly describe the current situation and give a dear, concise overview of relevant issues) concise overview of relevant issues) (Provide address, direct line contact number) I am... from... (say if you are a registered professional) I am.calling about resident... (Name, DOB) The residents TOTAL NEWS SCORE Is... Their normal NEWS/condition is ....... (g. BP is low, puble is XX; temp is XX; pasent is more confused or drowny) puble is XX; temp is XX; pasent is more confused or drowny) Background (briefly state the relevant history and what got you to this point) Resident XX has the following medical conditions... resident AA has the following medical conditions... The resident locations on the accuracy for ONACPR form / agreed care plan with a limit on treatment/hospital admission They have had... (§P review/investigation/medication e.g. antibiotics recently) Resident XX's condition has changed in the last XX hours The form of the condition of the last XX hours. The last set of observations was... Their normal condition is... The resident is on the following medications... Assessment (summarise the facts and give your best assessment on what is happening) I think the problem is XX And I have... (e.g. given pain relief, medication, sat the patient up etc.) OR I am not sure what the problem is but the resident is deteriorating OR I don't know what's wrong but I am really worried Recommendation (what actions are you asking for? What do you want to happen next?) I need you to ... Actions I have been asked to take (initial & time when actions completed) Initials Come and see the resident in the next XX hours AND Is there anything I need to do in the meantime? (e.g. repeat observations, give analgesia, escalate to emergency services) Decision (what have you agreed) We have agreed you will visit/call in the next XX hours, and in the meantime I will do XX If there is no improvement within XX, I will take XX action.

Photocopy this page if admitting/transferring resident or upload to ambulance EPR

Page 5 of 6 - All pages must be present when printing





The SBARD technique provides an easy-to-remember standardised framework for critical conversations, including what key information will be communicated about a resident's condition and what immediate attention and action is required. Record all your actions and conversations.



Name:		NHS No.			
Notes Date, Time, Who		Notes	Date, Time, Who		
					S
					В
					A
Actions I have been asked to take (initial & time when actions completed)	Initials		seen asked to take en actions completed)	Initials	R  D
			upload to ambulance EPR		
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#### **Restore 2 Mini**

#### Get your message across

**Raise the Alert** within your home e.g. to a senior carer, registered nurse or manager.

If possible, record the observations using a NEWS2 based system.

**Report your concerns** to a health care professional e.g. Nurse/GP/GP HUB/111/999 using the SBARD Structured Communication Tool.

Situation e.g. what's happened? How are they? NEWS2 score if available

**Background** e.g. what is their normal, how have they changed?

Assessment e.g. what have you observed / done?

Recommendation
'I need you to...'

Decision what have you agreed? (including any Treatment Escalation Plan & further observations)

Key prompts / decisions

Don't ignore your 'gut feeling' about what you know and see.

Give any immediate care to keep the person safe and comfortable.





## Ask your resident – how are you today?

Does your resident show any of the following 'soft signs' of deterioration?

Increasing breathlessness or chestiness

Change in usual drinking / diet habits

= A shivery fever - feel hot or cold to touch

 Reduced mobility – 'off legs' / less co-ordinated

New or increased confusion/ agitation / anxiety / pain

 Changes to usual level of alertness / consciousness / sleeping more or less

"Can't pee' or 'no pee', change in pee appearance

Diarrhoea, vomiting, dehydration

Any **concerns** from the resident / family or carers that the person is not as well as normal.

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If YES to one or more of these triggers – take action!



Hertfordshire and West Essex Integrated Care System

#### **Clinical Frailty Scale**



1 Very Fit - People who are robust, active, energetic and motivated. These people commonly exercise regularly. They are among the fittest for their age.



7 Severely Frail - Completely dependent for personal care, from whatever cause (physical or cognitive). Even so, they seem stable and not at high risk of dying (within ~ 6 months).



2 Well - People who have no active disease symptoms but are less fit than category 1. Often, they exercise or are very active occasionally, e.g. seasonally.



8 Very Severely Frail - Completely dependent, approaching the end of life. Typically, they could not recover even from a minor illness.



3 Managing Well - People whose medical problems are well controlled, but are not regularly active beyond routine walking.



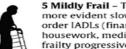
9 Terminally III - Approaching the end of life. This category applies to people with a life expectancy <6 months, who are not otherwise evidently frail.



4 Vulnerable - While not dependent on others for daily help, often symptoms limit activities. A common complaint is being "slowed up", and/or being tired during the day.



5 Mildly Frail - These people often have more evident slowing, and need help in high order IADLs (finances, transportation, heavy housework, medications). Typically, mild frailty progressively impairs shopping and walking outside alone, meal preparation and housework.

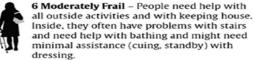


The degree of frailty corresponds to the degree of dementia. Common symptoms in mild dementia include forgetting the details of a recent event, though still remembering the event itself, repeating the same question/story and social withdrawal. In moderate dementia, recent memory is very

Scoring frailty in people with dementia



impaired, even though they seemingly can remember their past life events well. They can do personal care with prompting.



In severe dementia, they cannot do personal care without help.





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The Rockwood Frailty scale is easy to use and looks at how an individual functions in everyday life. Knowing how frail someone is helps us to know what help they need.

One of the most common ways a person who has frailty will present in primary care (including acutely) is with one or more frailty syndromes (previously known as 'the geriatric giants'):

- Falls
- Immobility
- Delirium- A temporary mental state characterized by confusion, anxiety, incoherent speech, and hallucinations.
- Incontinence
- Susceptibility to side-effects of medication (e.g. adverse effects of polypharmacy)



### No indication of frailty following assessment

The following actions can be completed by any professionals involved in the person's care:

- Signpost to:- Regular sight and hearing checks- Health promotion advice STP Heathy Aging resource pack
- Raise awareness of: Eating well and staying hydrated Dehydration
- Home hazards and wearing the correct footwear Skin health recommend regular moisturising- Local and National
  campaigns that occur at different times of the year e.g. Slipper's Swap campaign- Appropriate foot care Staying active
- Further assessment (as appropriate) recommend an annual medication review. Postural hypotension assessment

#### Ensure integrated care pathways are in place

Integrated care pathways are essential for successfully managing the needs of people with frailty as these individuals are especially at risk. Without integrated care, patients with frailty are more likely to be inappropriately admitted as an emergency and to spend longer in hospital once they are medically fit for discharge.

Healthcare professionals must ensure that important information is shared in a timely fashion in the best interests of the individual across all the organisations involved in their care. The role of the third sector, voluntary sector, and public services is significant and a positive asset to be harnessed. Other emergency services such as the fire service are also often a source of information and practical help (for example, in assessing fire risk, installing alarms and other items of equipment).



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# **SBAR tool -** to support you to structure your conversations when discussing your residents with professional colleagues

S	SITUATION  Your name and Care home name  Name of patient, age, DOB  What is the concern, what has happened? Describe symptoms which are different than normal. Does the patient have capacity to tell you what is wrong?  BACKGROUND  How long have symptoms been present? Did they come on suddenly? Does the person have any other long term illness? Have they already been seen by the GP for this change? If so was any medications started? What instructions were given to the home? Have you got a list of their current medication? Has the patient recently been into hospital? If so what for? Does the patient have a current DNAR in place? If yes be clear why you are ringing	Examples of symptoms you might describe:  Falls – are there injuries?  Confused, disorientated, dizzy, unsteady  Drowsy or hard to rouse  Hot / flushed /sweating. Cold / clammy / shivering / pale  Breathing harder or faster, slower or shallower  Complaining of pain, grimacing, posture indicating pain if unable to communicate - describe where pain is  Weakness in legs or arms / facial differences  Coughing / bringing up phlegm / wheezing  Vomiting / nausea - how long for  Change in urinary continence / Smelly urine, blocked or problem with catheter  Change in bowel habit /Diarrhoea  Not eating or drinking / loss of appetite  Bleeding from what area?
A	What actions have you already taken? Is the patient in a safe place?     Has the person lost consciousness? Be very clear is it a true loss of consciousness? If yes how long for in minutes.     Are there any obvious signs of injury or bleeding?	Examples of assessment actions you might describe:  First aid options used /Recovery position  Pressure on bleeding area  BP, Pulse, respiration rate, temperature, urine analysis - give results
R	RECOMMENDATION  Explain what you need - be specific about the request and timeframe  Make suggestions i.e. ECP or Dr or advice only  Clarify expectations  Note: an ambulance can take from 9 – 60 minutes depending on urgency	Review by GP urgently     Ambulance     Call back from Clinical Advisor     Clarify what is happening as a result of call – when you can expect a visit or ambulance





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### SBAR COMMUNICATION TOOL- AIDE MEMOIRE

FINAL

If an ambulance is sent these are suggestions of what do whilst waiting for the ambulance to arrive?

Reassure the resident and stay with them, continue to monitor for signs of deterioration which may mean a further call to the service. Ask another staff member to follow the check list. Do you need an escort? Do you need to ask senior management to attend the home?

In no particular order:-

- 1. Inform relatives.
- 2. Prepare the RED BAG; Photocopy medication charts and bag all medication. Is there any in the fridge, room or cupboards?
- 3. Photocopy main care plan details or grab sheet making sure the details are up to date. Especially where you have allergies or special instructions around other medical conditions. Include copy of DNAR form. Is there any special information which may help staff to communicate or deliver care for the resident, (i.e. strategies to adopt when the patient is anxious especially with dementia residents)? Are there any triggers which are not recorded?
- 4. Prepare an overnight bag for the resident. Remember to take items that may offer reassurance. Maintaining the residents' dignity is paramount so having their own belongings may help.





## **SBAR** link to assist in e-learning

SBAR Communication in Care Homes - e-Learning for Healthcare (e-lfh.org.uk)



# Thank you

**Any questions?** 





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