

CCG logo here

# A common language across healthcare:

using RESTORE2 & NEWS2 to identify the physically deteriorating  
patient in Care/Nursing Homes

## Training Pack

RESTORE2 uses NEWS2 reproduced from the Royal College of Physicians. National Early Warning Score (NEWS) 2: Standardising the assessment of acute illness severity in the NHS. Updated report of a working party. London: RCP, 2017. The NEWS2 charts must be reproduced in full colour and high resolution only.

RESTORE2 and its components must not be modified/amended in any way.

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**Joint national winner for  
'Excellence in Primary Care'**

Endorsed by Steven Brine MP for Winchester & Chandler's Ford

# What is

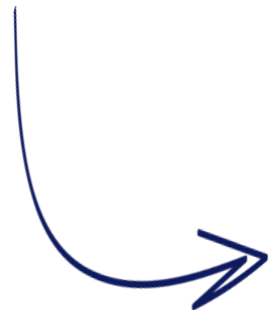
## **RESTORE2**

Recognise early soft-signs, Take observations, Respond, Escalate

- **RESTORE2 is a physical deterioration and escalation tool for care/nursing homes**
- It is designed to support homes to:
  - Recognise when a resident may be deteriorating or at risk of physical deterioration
  - Act appropriately according to the residents care plan
  - Obtain a complete set of physical observations to inform escalation and conversations with health professionals
  - Speak with the most appropriate health professional in a timely way
  - Provide a concise escalation history to health professionals to support their professional decision making
  - Get staff and residents the right support in the right timescale

# The Triad of Clinical Outcomes

Support carers to recognise physical deterioration early



early detection

Provide a standardised assessment tool and a common language across healthcare



timeliness of response

competency of clinical response

Enable staff to communicate concisely with clinical decision makers to get an effective response



# Objectives and Aims

## Objective

- To provide staff with an overview of the RESTORE2 tool and the necessary skills and knowledge to apply the tool in practice

## Aims

- To provide an understanding of the advantages of applying the RESTORE2 tool to recognise and react to the deteriorating patient
- Train staff on the steps and processes of applying the RESTORE2 tool in practice, including soft signs, recording observations, escalation and communication
- Provide staff with skills required to apply the RESTORE2 tool to their practice to ensure early and appropriate intervention
- Undertake scenarios to ensure that staff are comfortable with using the tool

# Why do your residents need

**RESTORE2**

Recognise early soft-signs, Take observations, Respond, Escalate

# Case Study Lost Opportunities

- 10am Resident Y developed 'flu like symptoms - referred to the local GP practice who diagnosed a chest infection – prescribes antibiotics



Oxygen saturations  
91% in air

Not engaging in rehab

More lethargic than  
previously

Chance to repeat  
observations and  
recognise potential  
for deterioration

NEWS would have  
been 3 if measured

Nursing Home – GP



# Case Study Lost Opportunities

- 5pm Antibiotics have not arrived
- 00.10am Resident developed a fever and elevated heart rate and the nursing home contacted the Out of Hours GP service who advised paracetamol and fluids



worsening clinical picture

OOH GP did not do a NEWS

advised to wait until morning for antibiotics

NEWS would have been 8 if measured

Nursing Home – GP – Out of Hours GP



# Case Study Lost Opportunities

- 03.30am Home contacted Out of Hours again because of concerns around falling blood pressure and oxygen levels in the blood



worsening clinical picture

Effects of paracetamol in reducing temperature not appreciated

NEWS would have been 7 if measured

Nursing Home – GP – Out of Hours GP

# Case Study Lost Opportunities

- 04.00am Home call 999 as so concerned about the resident.
- The resident died in the emergency department at 09.30am due to sepsis



*root causes*

*no-one recognised  
how sick the resident  
was*

*response from  
healthcare services  
was inadequate*

*home were unable to effectively  
communicate their concerns to  
healthcare professionals*

*low mortality*



NEWS Score	Mortality
0	0.5%
<5	5.5%

*high mortality*



NEWS Score	Mortality
≥5	22%
≥7	27%
≥9	38%

Nursing Home – GP – Out of Hours GP – 999 - Hospital

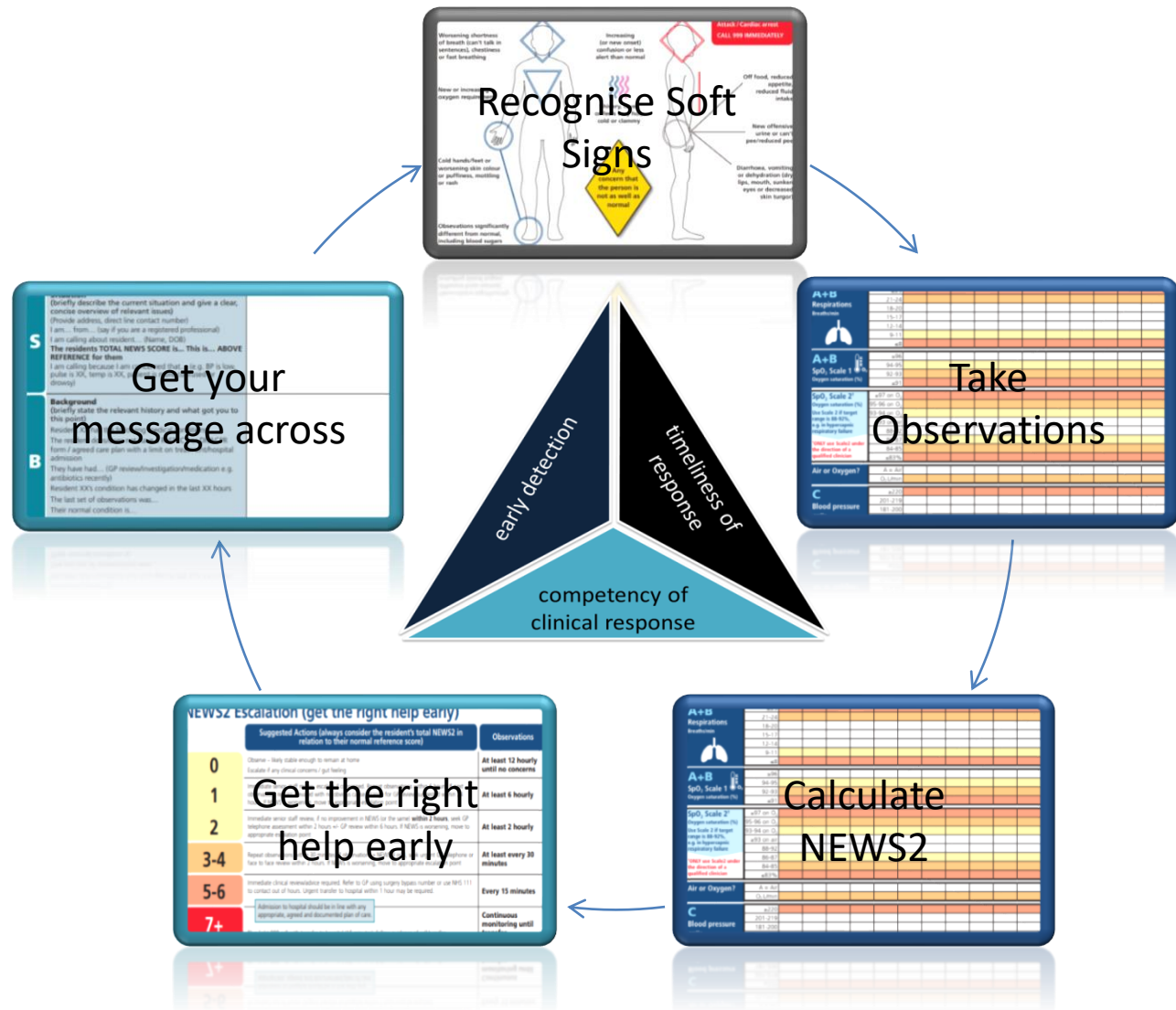
A black and white photograph of a person in a hospital gown standing and using a metal walker. The person is wearing a white wristband. The room has a wooden floor and a window with blinds in the background. A bed is partially visible on the right side of the frame.

# How do you use

## RESTORE<sup>2</sup>

Recognise early soft-signs, Take observations, Respond, Escalate

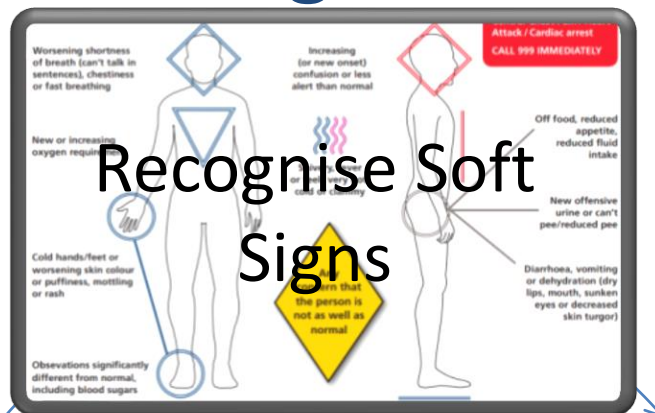
- RESTORE2 combines soft signs with NEWS2, a clear escalation pathway designed around care homes and an SBARD communication tool and Action Tracker





# Identifying the soft signs of deterioration

## Recognise Soft Signs



## Get your message across

**S** (Briefly describe the current situation and give a clear, 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 NEWS2** is... This is... **ABOVE**

**B** **Background**  
Briefly state the relevant history and what got you to this point.  
Resident's condition...  
Type of agreed care provided...  
They have had... GP review/investigation/treatment e.g. antibiotics recently  
Resident XXX's condition has changed in the last XX hours  
The last set of observations was...  
Their normal condition is...

## Take Observations

A+B	
Respirations	12-20
SpO <sub>2</sub> Scale 1	94-98
SpO <sub>2</sub> Scale 2	92-94
Air or Oxygen?	As per chart
C	
Blood pressure	110-180

## Get the right help early

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

Score	Suggested Actions (always consider the resident's total NEWS2 in relation to their normal reference score)	Observations
0	Observe - they stable enough to remain at home	At least 12 hourly until no concerns
1	Observe if any clinical concerns / get help	At least 6 hourly
2	Immediate clinical review if no response to NEWS2 or if the resident shows signs of deterioration	At least 2 hourly
3-4	Repeat observations and consider escalation to hospital	At least every 30 minutes
5-6	Immediate clinical review required. Refer to GP using urgent response number or call 999 if in contact out of hours, urgent transfer to hospital within 1 hour may be required	Every 15 minutes
7+	Emergency response required. Refer to hospital within 1 hour	

## Calculate NEWS2

A+B	
Respirations	12-20
SpO <sub>2</sub> Scale 1	94-98
SpO <sub>2</sub> Scale 2	92-94
Air or Oxygen?	As per chart
C	
Blood pressure	110-180

# Making NEWS accessible

# + SBARD

Worsening shortness of breath (can't talk in sentences), chestiness or fast breathing

New or increasing oxygen requirement

Cold hands/feet or worsening skin colour or puffiness, mottling or rash

Observations significantly different from normal, including blood sugars

Increased or new onset pain

## Soft Signs

## NEWS2

Take observation + calculate NEWS		Authorising clinician		Signature & Date		ACVPU KEY		A		Alert awake & responding	
A+B	Respirations	15-20	21-24	25-30	31-34	35-39	40-44	45-49	50-54	55-59	60-64
A+B	SpO <sub>2</sub> Scale 1	94-95	92-93	90-91	88-89	86-87	84-85	82-83	80-81	78-79	76-77
A+B	SpO <sub>2</sub> Scale 2	95-96	93-94	91-92	89-90	87-88	85-86	83-84	81-82	79-80	77-78
C	Blood pressure	180	160	140	120	100	80	60	40	20	0
P	Pain	1	2	3	4	5	6	7	8	9	10
E	Temperature	38.1-39.0	37.1-38.0	36.1-37.0	35.1-36.0	34.1-35.0	33.1-34.0	32.1-33.0	31.1-32.0	30.1-31.0	29.1-30.0
U	Unresponsive	1	2	3	4	5	6	7	8	9	10
NEWS TOTAL											
Next observation due (Hrs)											
Escalation of care (Hrs)											
Initial											

**Suggested Actions (always consider the resident's total NEWS2 in relation to their normal reference score)**

**0** Observe – likely stable enough to remain at home. Escalate if any clinical concerns / gut feeling.

**1** Immediate senior staff review, escalate if 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 worsening, move to appropriate escalation point.

**2** Immediate senior staff review, if no improvement in NEWS (or the same) within 2 hours, seek GP telephone assessment within 2 hours +/- GP review within 6 hours. If NEWS is worsening, move to appropriate escalation point.

**3-4** 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.

**5-6** Immediate clinical review/advice required. Refer to GP using surgery bypass number or use NHS 111 to contact out of hours. Urgent transfer to hospital within 1 hour may be required.

**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



## Does Your Resident Have Soft-Signs?

Worsening shortness of breath (can't talk in sentences), chestiness or fast breathing

New or increasing oxygen requirement

Cold hands/feet or worsening skin colour or puffiness, mottling or rash

Observations significantly different from normal, including blood sugars

Worse than normal lethargy or withdrawal or anxiety/agitation/apprehension or not themselves

Increasing (or new onset) confusion or less alert than normal

Shivery, fever or feels very hot, cold or clammy

Any concern that the person is not as well as normal

## NEW ONSET OF:

Stroke (facial / arm weakness, speech problems)

Central Chest Pain / Heart Attack / Cardiac arrest

CALL 999 IMMEDIATELY

Off food, reduced appetite, reduced fluid intake

New offensive urine or can't pee/reduced pee

Diarrhoea, vomiting or dehydration (dry lips, mouth, sunken eyes or decreased skin turgor)

# When to call 999

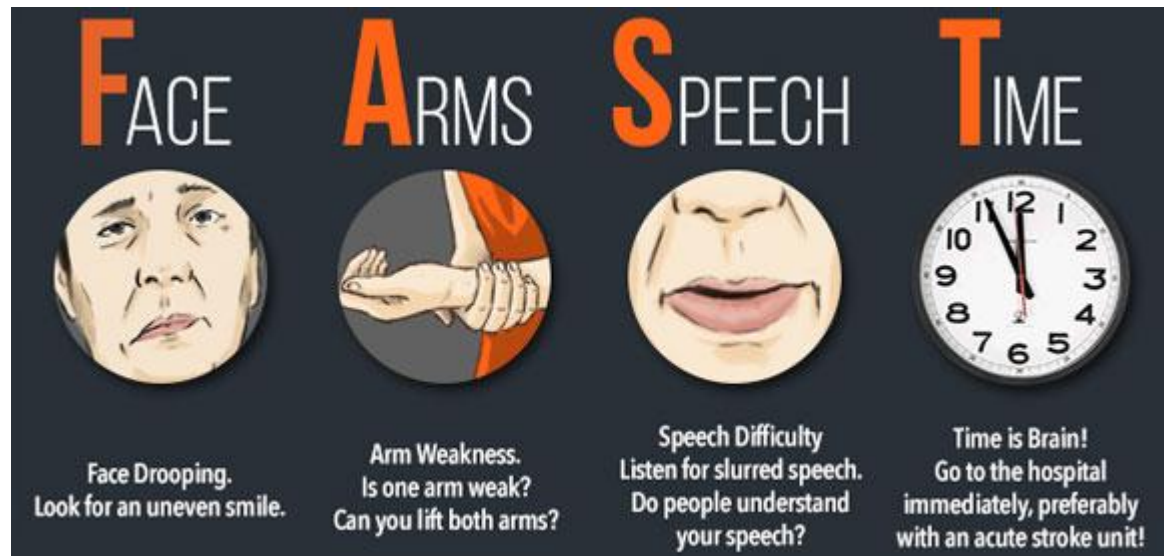
## NEW ONSET OF:

Stroke (facial / arm weakness, speech problems)

Central Chest Pain / Heart Attack / Cardiac arrest

CALL 999 IMMEDIATELY

- A stroke is a brain attack. It happens when the blood supply to part of the brain is cut off. Without blood brain cells can be damaged or die – do not use RESTORE2 but call 999



# When to call 999

## NEW ONSET OF:

Stroke (facial / arm weakness, speech problems)

Central Chest Pain / Heart Attack / Cardiac arrest

CALL 999 IMMEDIATELY

- All chest pain should be investigated. Get immediate medical help if you think someone is having a heart attack– do not use RESTORE2 but call 999

## Call 999 if you have sudden chest pain that:

- spreads to your arms, back, neck or jaw
- makes your chest feel tight or heavy
- also started with shortness of breath, sweating and feeling or being sick

You could be having a heart attack. Call 999 immediately as you need immediate treatment in hospital.

# Understanding your resident

- Homes are encouraged to understand what is normal for the resident and work with GP's or other teams (e.g. frailty teams) to define when another health professional would want to be informed of an event – this should include knowing what a normal set of physical observations looks like for the resident
- Any escalation should be with reference to the residents wishes and advanced care plan – if a plan does not exist it should be created with the resident or the appropriate person with Power of Attorney (health and welfare)
- Essential that there is evidence of a documented Capacity Assessment where Best Interests Decisions are being made and that decisions are made with others and are clearly articulated

# Understanding your resident

## Reference NEWS2 (What's normal for this resident)

Edward is normally fit and active but is often mildly confused in the mornings before breakfast. Normally NEWS score is 0 but in the morning Edward may trigger the AVPU scale – only call a GP if the confusion continues to lunchtime. Edward is for full treatment and admission to hospital if required. Edward becomes agitated when he is becoming unwell which is a good soft sign for him.



Print name: Dr. Davids

Date: 12/4/18

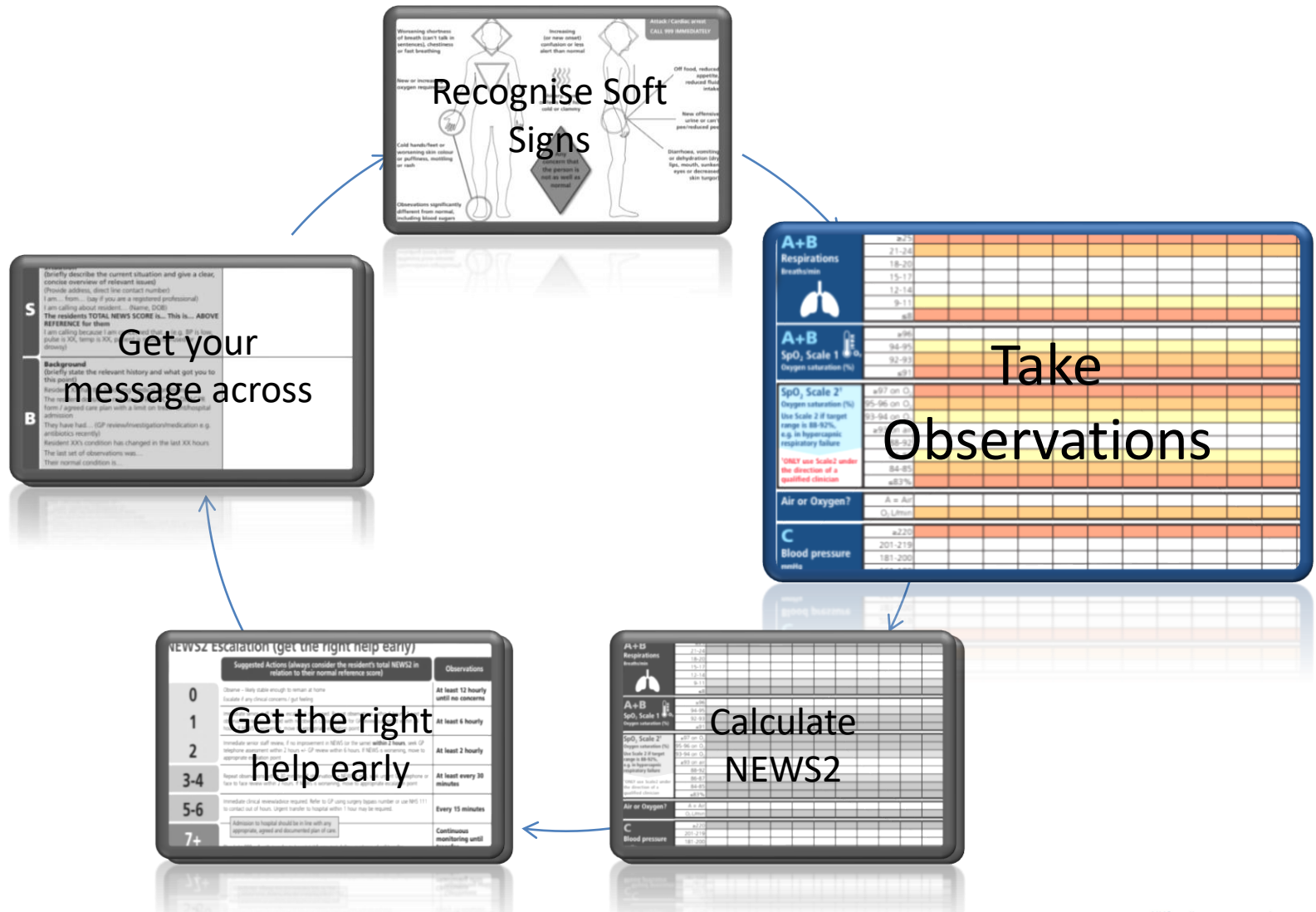
Signature: DDAVIDS

What is the resident normally like? What observations are reasonable and safe for them? When would your 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

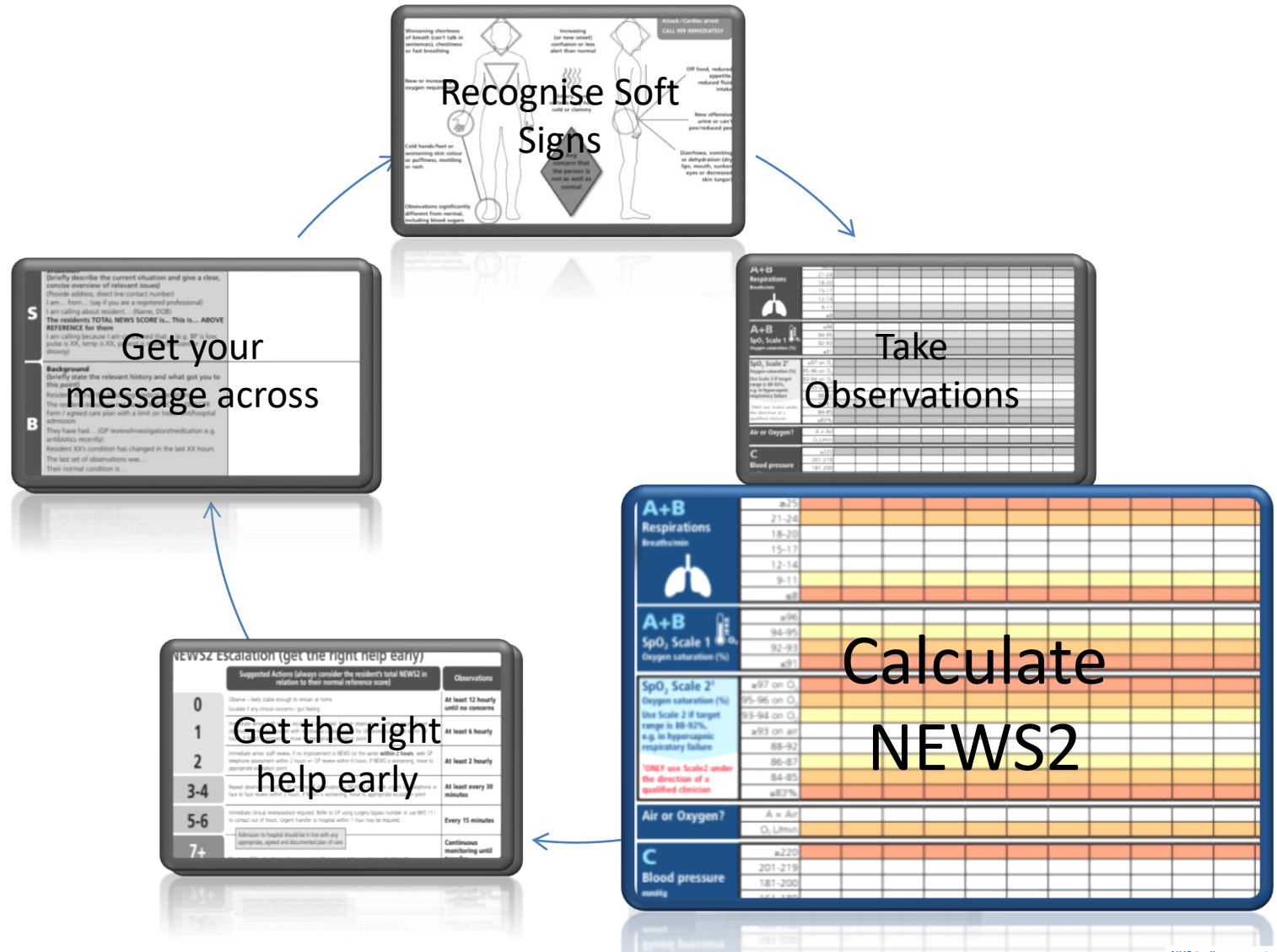
- All residents should have had the opportunity to discuss their end of life preferences in advance of any crisis
- RESTORE2 must be used in conjunction with the expressed wishes of the resident e.g. treatment escalation plans or advanced care plans.
- RESTORE2 can be used in residents with an agreed limit of treatment (e.g. not for hospital admission, not for resuscitation or not for intravenous antibiotics) to identify recoverable deterioration amenable to treatment. It is also useful for anticipating end of life to inform conversations with residents and their relatives - once the resident is on an EOL care pathway, RESTORE2 should be discontinued.

# Take Observations



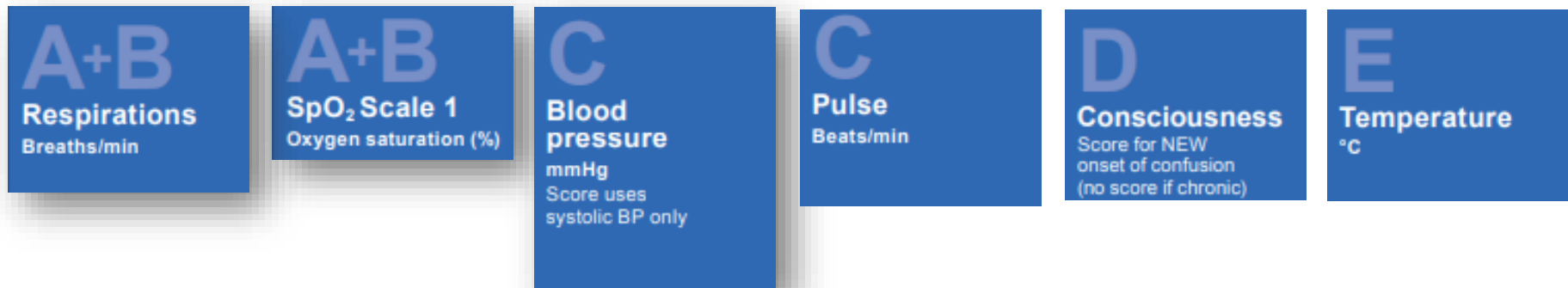


# Calculate NEWS2



# Physical Observations

- Validated tool widely used in acute care comprising six biological measurements:
  - Respiration Rate
  - Oxygen Saturations
  - Temperature
  - Systolic Blood Pressure
  - Heart Rate
  - Level of Consciousness (defined by ACVPU)



- Staff need to have had the appropriate training in taking physical observations
- Homes need to invest in quality equipment for observations and ensure that this is serviced and calibrated regularly
- Staff must take and document complete observations
- Recording should be made in black pen, be clear, dated, timed and signed

NEW

Authorising  
clinician

Signature &  
Date

**SpO<sub>2</sub> Scale 2†**  
Oxygen saturation (%)  
Use Scale 2 if target range is 88-92%, e.g. in hypercapnic respiratory failure

**†ONLY use Scale 2 under the direction of a qualified clinician**

[illegible]

## Air or Oxygen?

[illegible]

C

### Blood pressure

mmHg  
Score uses  
systolic BP only

[illegible]

**ACVPU  
KEY**

**A**

**Alert**  
awake &  
responding,  
eyes open



C

**Confusion**  
New onset of  
confusion  
(Do not score  
if chronic)

Pulse  
Beats/m

[illegible]

V

**Verbal**  
moves eyes /  
limbs or  
makes sounds  
to voice



D

## Consciousness

Score for NEW onset  
of confusion  
(no score if chronic)

[illegible]

F

Temperature

°C

[illegible]

U

Unresponsive  
unconscious

NEWS TOTAL

Next observation due (Hrs)

Escalation of care Y/N

Initials

## NEW (No Baseline)

# Respiration Rate

- RR is the most important parameter but the least recorded
- RR is thought to be the most sensitive indicator of a patient's physiological well-being
- RR reflects not only respiratory function as in hypoxia or hypercapnia, but cardiovascular status as is pulmonary oedema and metabolic imbalance i.e. DKA
- Elevated RR is a powerful sign of acute illness and distress, in all patients
- Generalised pain and distress
- Sepsis remote from the lungs
- CNS disturbance and metabolic disturbances such as metabolic acidosis
- Reduced RR is an important indicator of CNS depression and narcosis
- **Always take RR over 60 seconds**

Physiological parameter	Score						
	3	2	1	0	1	2	3
Respiration rate (per minute)	≤8		9–11	12–20		21–24	≥25


# SpO<sub>2</sub> Scoring scales

- NEWS2 has two scoring scales for SpO<sub>2</sub>

The new SpO<sub>2</sub> scoring Scale 2 is only for patients with a prescribed oxygen saturation requirement of 88–92% (e.g. in patients who normally retain Carbon Dioxide and need to do this to drive their respiratory effort (hypercapnic respiratory failure))

- This should only be used in patients **confirmed to have hypercapnic respiratory failure on blood gas analysis** on either a prior, or their current, hospital admission
- The decision to use the new SpO<sub>2</sub> scoring Scale 2 should be made by a competent clinical decision maker and should be recorded in the patient's clinical notes
- In all other circumstances, the regular NEWS SpO<sub>2</sub> scoring scale (Scale 1) should be used
- For the avoidance of doubt, the SpO<sub>2</sub> scoring scale not being used should be clearly crossed out

# SpO<sub>2</sub> Scoring scales

<div>Authorising clinician</div> <div>Signature &amp; Date</div>	<b>A+B</b> <b>SpO<sub>2</sub> Scale 1</b>  Oxygen saturation (%)		≥96											1	
			94-95												2
			92-93												3
			≤91												3
	<b>SpO<sub>2</sub> Scale 2†</b> Oxygen saturation (%) Use Scale 2 if target range is 88-92%, e.g. in hypercapnic respiratory failure †ONLY use Scale 2 under the direction of a qualified clinician		≥97 on O <sub>2</sub>											3	
			95-96 on O <sub>2</sub>												2
			93-94 on O <sub>2</sub>												1
			≥93 on air												
			88-92												
			86-87												1
84-85														2	
≤83%														3	
<b>Air or Oxygen?</b>		A = Air													
		O <sub>2</sub> L/min												2	



# Level of Consciousness

- Measured via ACVPU  
(alert, new confusion, voice, pain, unresponsive)
- Alert – patient is active, responsive, interacting with people and surroundings, answers questions etc.
- New onset or worsening confusion is now included which excludes residents with confusion as part of their normal disease process
- Voice – responds to voice but not spontaneously interacting, may be drowsy, keeps eyes closed, may not speak coherently
- Pain – not alert and does not respond to verbal stimuli, responds to painful stimulus
- Unresponsive – unresponsive, unconscious

Physiological parameter	Score						
	3	2	1	0	1	2	3
Consciousness				Alert			CVPU

**ACVPU  
KEY**

**A**

**Alert**  
awake &  
responding,  
eyes open

**C**

**Confusion**  
New onset of  
confusion  
(Do not score  
if chronic)

**V**

**Verbal**  
moves eyes /  
limbs or  
makes sounds  
to voice

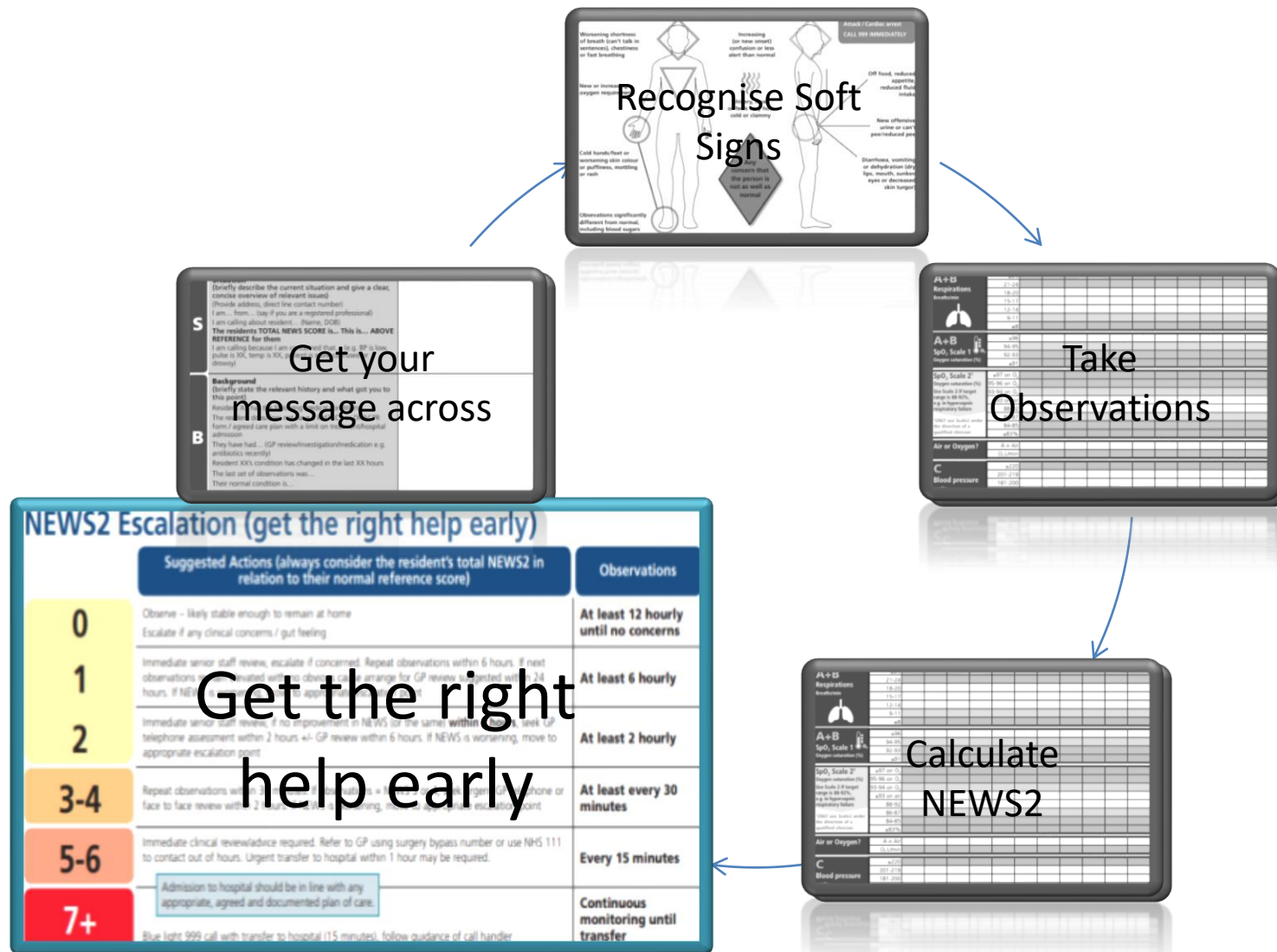
**P**

**Pain**  
responds  
only to  
painful  
stimuli

**U**

**Unresponsive**  
unconscious

## Escalation – get the right help



# Escalation – get the right help

Removes the element of personal interpretation

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	At least 12 hourly until no concerns	
1	Immediate senior staff review, escalate if 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 worsening, move to appropriate escalation point.	At least 6 hourly	
2	Immediate senior staff review, if no improvement in NEWS (or the same) <b>within 2 hours</b> , seek GP telephone assessment within 2 hours +/- GP review within 6 hours. If NEWS is worsening, move to appropriate escalation point.	At least 2 hourly	
3-4	Single Observation 3	Repeat observations within <b>30 minutes</b> . If <b>observations = NEWS +3 or more</b> , 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 review/advice required. Refer to GP using surgery bypass number or use NHS 111 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.	Continuous monitoring until transfer	
	Blue light 999 call with transfer to hospital (15 minutes), follow guidance of call handler		

# Get your message across

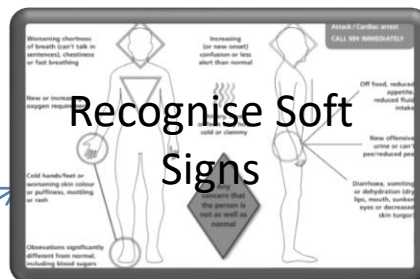
**S**

**Situation**  
(briefly describe the current situation and give a clear, 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... This is... ABOVE REFERENCE for them**  
I am calling because I am concerned that... (e.g. BP is low, pulse is XX, temp is XX, patient is... drowsy)

**B**

**Background**  
(briefly state the relevant history and what got you to this point)  
Resident...  
The resident...  
form / agreed care plan with a limit on treatment/hospital admission  
They have had... (GP review/investigation/medication e.g. antibiotics recently)  
Resident XX's condition has changed in the last XX hours  
The last set of observations was...  
Their normal condition is...

Get your message across



Recognise Soft Signs

**A+B**

**Respirations**

15-20
12-15
10-12
8-10
6-8

**A+B**

**SpO2, Scale 1**

95-100
92-95
90-92
88-90
85-88

**SpO2, Scale 2**

95-100
92-95
90-92
88-90
85-88

**Air or Oxygen?**

At or Above
Below

**C**

**Blood pressure**

120-160
90-110
60-90

Take Observations

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

**Suggested Actions (always consider the resident's total NEWS2 in relation to their normal reference score)**

Score	Suggested Actions	Observations
0	Observe - Only stable enough to remain at home	At least 12 hourly until no concerns
1	Isolate if any clinical concerns, particularly	At least 4 hourly
2	Immediate senior staff review, if no improvement in NEWS2 or the score within 2 hours, seek GP/urgent care team advice	At least 2 hourly
3-4	Report observations to senior staff, if no improvement in NEWS2 or the score within 2 hours, seek GP/urgent care team advice	At least every 30 minutes
5-6	Immediate clinical review required. Refer to GP using urgent response number or call NHS 111 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.	Continuous monitoring until transferred

Get the right help early

**A+B**

**Respirations**

15-20
12-15
10-12
8-10
6-8

**A+B**

**SpO2, Scale 1**

95-100
92-95
90-92
88-90
85-88

**SpO2, Scale 2**

95-100
92-95
90-92
88-90
85-88

**Air or Oxygen?**

At or Above
Below

**C**

**Blood pressure**

120-160
90-110
60-90

Calculate NEWS2

# SBARD Escalation Tool and Action Tracker

(get your message across)

## REMEMBER TO SAY:

The residents TOTAL NEWS SCORE is... This is... ABOVE REFERENCE for them

- SBARD is a structured method for communicating critical information that requires immediate attention and action
- Five steps:
  - Situation
  - Background
  - Assessment
  - Recommendation
  - Decision

		1	Notes (including date and time of escalation)
S B A R --	<b>Situation</b> (briefly describe the current situation and give a clear, 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) <b>The residents TOTAL NEWS SCORE is... This is... ABOVE REFERENCE for them</b> I am calling because I am concerned that... (e.g. BP is low, pulse is XX, temp is XX, patient is more confused or drowsy)		
	<b>Background</b> (briefly state the relevant history and what got you to this point) Resident XX has the following medical conditions... The resident does/does not have a ReSPECT or DNACPR form / agreed care plan with a limit on treatment/hospital admission They have had... (GP review/investigation/medication e.g. antibiotics recently) Resident XX's condition has changed in the last XX hours The last set of observations was... Their normal condition is...		
	<b>Assessment</b> (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.) <b>OR</b> I am not sure what the problem is but the resident is deteriorating <b>OR</b> I don't know what's wrong but I am really worried		
	<b>Recommendation</b> (what actions are you asking for? What do you want to happen next?) I need you to... Come and see the resident in the next XX hours <b>AND</b> Is there anything I need to do in the meantime? (e.g. repeat observations, give analgesia, escalate to emergency services)  <b>Decision</b> (what have you agreed)	<b>Actions I have been asked to take</b> (initial & time when actions completed)	Initials

**West Hampshire**  
Clinical Commissioning Group

*TheAHSNNetwork*

XX hours, and  
take XX action.

Wessex

Patient Safety Collaborative

NHS Parliamentary Awards

2019



# Case Studies

## RESTGRE2

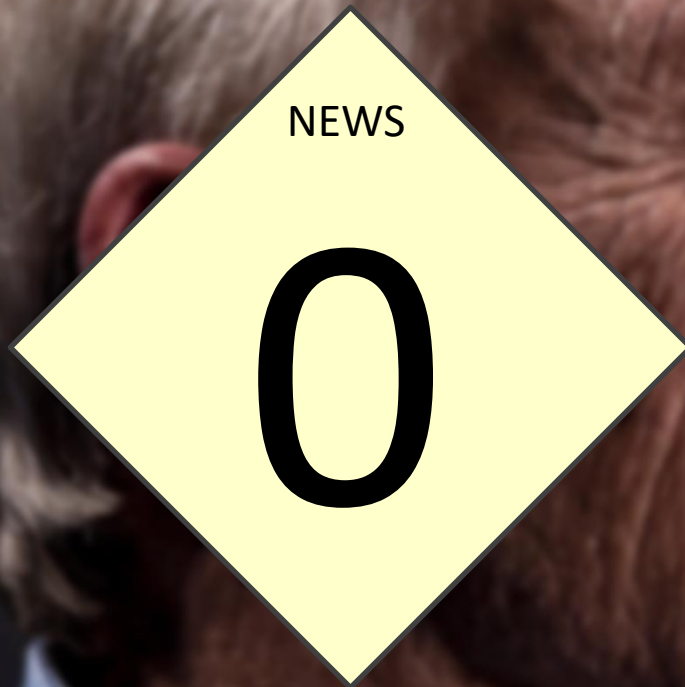
Recognise early soft-signs, Take observations, Respond, Escalate



# Case Study

## RESTORE2 in a Nursing Home

- Resident has a normal NEWS2 score of 0



*Completing monthly observations means the staff recognise what is "normal" for the resident*

Use of the Reference box (what's normal for the resident) makes staff aware of needs specific for the resident

Nursing Home

# Case Study

## RESTORE2 in a Nursing Home

- Staff noticed a change in the residents general condition “soft signs” which prompted observations and highlighted the need for review

*low temperature*

*off food*

*increased lethargy*

*not taking fluid and medications*

*Clear story to tell GP with physiology using SBARD*

NEWS

4

Nursing Home – Recognising change and escalating concerns

# Case Study

RESTORE2 in a Nursing Home

- GP reviewed and regular monitoring maintained, with the addition of blood sugar readings due to residents medical history

NEWS

4

clear, objective  
evidence of  
condition and  
deterioration

Respect form in  
place to help  
formulate plan of  
care

Family kept  
informed and  
included in  
discussions

Good visual  
representation of  
residents condition

Nursing Home – GP Review



# Case Study

## RESTORE2 in a Nursing Home

- The resident was reviewed, considered for end of life care and anticipatory medications put in place
- Resident able to stay in home and be cared for by a familiar team

*'the home staff felt the RESTORE2 tool complimented their clinical judgement resulting in timely review and avoidance of hospital admission'*

*'the incident has highlighted the importance of recognising soft signs and how a fully informed and followed process can populate an appropriate plan of care*

*Right place, right time, right care*

**Nursing Home – GP – No hospital admission needed**

# Case Study

## RESTORE2 in a Nursing Home

- Resident admitted for respite care following a fall and treatment for rib pain and a chest infection



*Home don't know the resident and what's normal for them*

*Home does have a reference point for normal physiology*

Nursing Home

# Case Study

## RESTORE2 in a Nursing Home

- 2 days after admission staff and the residents family noticed small changes with the residents “soft signs”



breathlessness

off food

increased lethargy

looking pale

Clear story to tell GP  
service with  
physiology

Nursing Home – Out of Hours GP



# Case Study

## RESTORE2 in a Nursing Home

- OOH reviewed but the resident deteriorated further that evening. Following GP review and liaison with the hospital team admission was recommended for assessment and oxygen administration

clearer handoff  
between services



clear, quantifiable  
evidence of  
deterioration

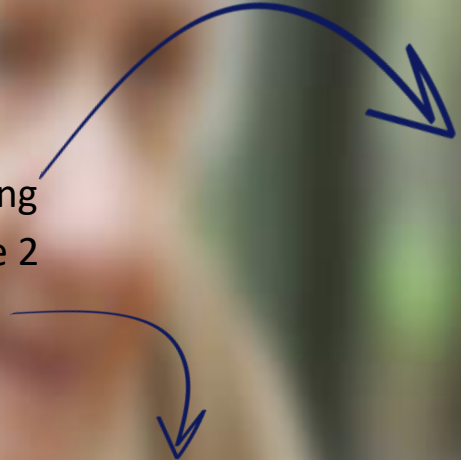
transferable records  
of physiology

Nursing Home – OOHGP – Ambulance Service - Hospital

# Case Study

## RESTORE2 in a Nursing Home

- The resident was discharged from hospital following treatment for chest sepsis & pulmonary oedema after 4 days , returned to the nursing home for further respite and home 2 weeks later



‘the incident has also highlighted to the care home staff the importance of soft signs and how changes can be an early indicator of deterioration’

‘the home staff felt the RESTORE2 tool enhanced their confidence in being able to request a GP review and communicating the reasons for this’

Nursing Home – OOHGP – Ambulance – Hospital – Nursing Home - Home

# Using RESTORE<sup>2</sup>

lets do some scenarios



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Recognise early soft-signs, Take observations, Respond, Escalate

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# Case Study 2

Charlie

# Charlie

Charlie is 67 yrs old

Admitted to home as unable to cope and has reduced mobility

Full capacity No respiratory problems

Observations

Resps 16 per minute

Sats 96%

BP 125/90

P88

ACVPU= A

T 37

# Normal News2 Score

- Normal NEWS 2 Score “0”
- Monthly observations stable for first 3 months of his stay



## Soft Signs

One morning you notice that Charlie is reluctant to eat his breakfast and feels he needs to go back to bed for a rest

When you check on Charlie an hour later you feel his hands are colder than normal

**WHAT DO YOU DO ?**

# Observations and reassess news

Observations

NEWS2

Reps 20

Sats 95%

Score 2

BP 115/80

P95

A- Alert

**WHAT DO YOU DO?**

T 37.5

# Escalation plan



Refer to escalation plan

2 hrly obs

Request senior staff review  
Repeat observations 2 hrly

No change

NEWS2 score 2

**Document , Document ,  
Document**

**What do you do ?**

# Refer to escalation plan

Repeat observations

Reps 22

Stats 95%

Bp 115/70

P 95

Alert

T 38

NEWS2 score now 4

What do you do ?

**Refer to escalation plan**

## Next step

- Repeat observations every 30 minutes
- Seek Urgent GP advice
- how would you give the information to the GP

# SBARD

- **Situation**

I am ringing because I am concerned regarding one of my residents

Charlie has been with the home for 3 months and is generally fit and well

I became concerned as he is off his food and unusually lethargic

His reference/normal NEWS2 score is 0

We have been monitoring his observations over the day and his NEWS2 Score has risen to 4

- **Background**

Charlie is 67yrs old and alert with full capacity

He is on medication for hypertension but no other medication

He has not required medical review since joining the home

His last set of observations are : Reps 22, Stats 95%, Bp 115/70, P 95

Alert ,T 38



# SBARD

- **Assessment**

I am not sure what the problem is but he is deteriorating

Recommendation

Please could you visit to review Charlie ?

Is there anything I can do whilst I am waiting for you ?

GP- Advice please give 1g of paracetamol and continue with observations

- **Decision**

GP – will visit in the next two hours after surgery

Continue with observations and call back if Charlies condition changes before the GP arrives

Document .Document .Document

# Outcome

- Charlie is reviewed by GP
- Antibiotics prescribed (UTI )
- To continue observations in line with the escalation tool until returned to Charlies “Normal”

# Reflection

- What did you do ?
- Recognised soft signs
- Used SBAR to communicate your concerns
- Achieved a GP review in a timely manner