
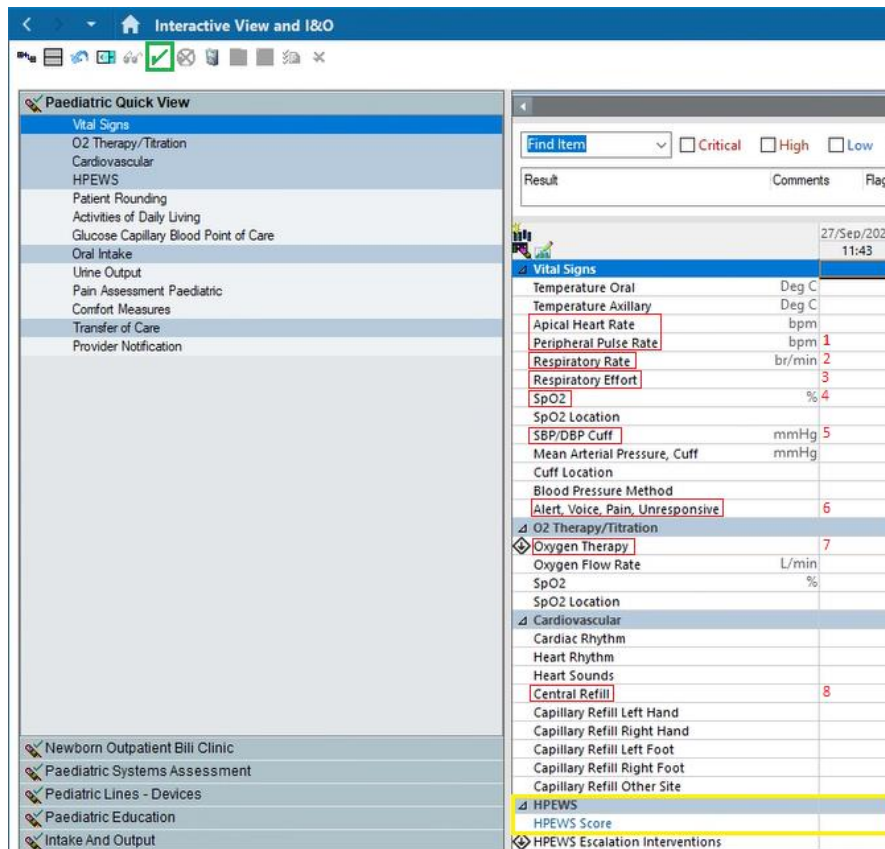


HPEWS

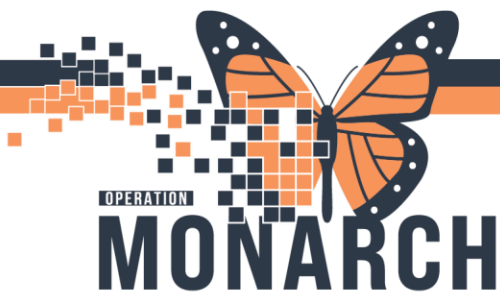
Hamilton Pediatric Early Warning System (HPEWS) will be generated once the following assessments are documented:

1. Pulse/Heart Rate
2. Respiratory Rate
3. Respiratory Effort
4. Oxygen Saturation
5. Systolic Blood Pressure
6. Alert, Voice, Pain, Unresponsive
7. Oxygen Therapy and/or FiO2
8. Central Refill

To Document the required assessments and obtain an HPEWS score, navigate to the **Pediatric Quick View** band in the **Interactive View and I&O** section. Once documentation has been completed, click on the green checkmark to sign it. Click on the Refresh icon  to the top right to retrieve the HPEWS score indicated in the yellow box seen below.



Result	Comments	Flag
27/Sep/2024 11:43		
Vital Signs		
Temperature Oral	Deg C	
Temperature Axillary	Deg C	
Apical Heart Rate	bpm	
Peripheral Pulse Rate	bpm	1
Respiratory Rate	br/min	2
Respiratory Effort		3
SpO2	%	4
SpO2 Location		
SBP/DBP Cuff	mmHg	5
Mean Arterial Pressure, Cuff	mmHg	
Cuff Location		
Blood Pressure Method		
Alert, Voice, Pain, Unresponsive		6
O2 Therapy/Titration		
Oxygen Therapy		7
Oxygen Flow Rate	L/min	
SpO2	%	
SpO2 Location		
Cardiovascular		
Cardiac Rhythm		
Heart Rhythm		
Heart Sounds		
Central Refill		8
Capillary Refill Left Hand		
Capillary Refill Right Hand		
Capillary Refill Left Foot		
Capillary Refill Right Foot		
Capillary Refill Other Site		
HPEWS		
HPEWS Score		
HPEWS Escalation Interventions		



TIP SHEET

HOSPITAL INFORMATION SYSTEM (HIS)

HPEWS Scoring and Discern Alerts

HPEWS Scores will be indicated using a colour system **Green (0-2)**, **Yellow (3-5)**, **Orange (6-9)**, and **Red (>9)**. A **green (0-2)** score will not generate a discern alert as there is no action required. In the **Discern Alert** images below, note the **HPEWS Score** and the **Nursing Interventions** (in red text) that must be completed. To close the Discern Alert, click on the Red X as noted in the bottom right screenshot.

YELLOW RISK - HPEWS

NAME: ZZZTEST, PAEDSCDU
 DATE: 27 September, 2024 12:24:53 EDT
 MRN: 11054035
 BIRTH DATE: 02 May, 2020
 AGE: 4 Years
 LOCATION: SCS; SC 4BB; SC4B05

HPEWS Score (3)

HPEWS Score 3-5

Initiate Nursing Interventions:

1. HPEWS repeated within 90 minutes.
2. If patient remains in Yellow, notify Charge Nurse, RT if applicable, and MD on-call (MD to attend in <4 hours).
3. Continue q90minutes HPEWS unless otherwise specified by MD.
4. Consider continuous monitoring (cardiac monitor or continuous oxygen saturations as ordered).

HPEWS Criteria:

Respiratory Rate: 20 br/min - **2 points**
 Respiratory Effort: MILD - **1 points**
 Oxygen Saturation: 99% - **0 points**
 Oxygen Therapy: ROOM AIR - **0 points**
 Heart Rate: 104bpm - **0 points**
 Systolic/Diastolic BP: 100/ 70mmHg - **0 points**
 Central Refill: LESS THAN 3 SECONDS - **0 points**
 AVPU: ALERT AND RESPONSIVE - **0 points**

RED RISK – HPEWS

NAME: ZZINA, UNITTESTVIEWSIX
 DATE: 27 September, 2024 12:12:10 EDT
 MRN: 11000742
 BIRTH DATE: 15 February, 2024
 AGE: 7 Months
 LOCATION: SCS; SC 4BA; SC4BCDU

HPEWS Score (10)

HPEWS Score >9

Initiate Nursing Interventions:

1. Notify Charge Nurse.
2. Call MD on-call (MD to attend in <15 minutes).
3. Notify RT.
4. Continuous monitoring (cardiac monitor or continuous oxygen saturations as ordered).
5. 1:1 nurse to patient ratio.
6. Vital signs q15 minutes unless otherwise specified by the MD.
7. HPEWS repeated with 30 minutes.
8. If patient remains in Red, the MD, RT, and Charge Nurse must be notified again.

HPEWS Criteria

Respiratory Rate: 22 br/min - **2 points**
 Respiratory Effort: SEVERE - **3 points**
 Oxygen Saturation: 94% - **0 points**
 Oxygen Therapy: ROOM AIR - **0 points**
 Heart Rate: 124bpm - **0 points**
 Systolic/Diastolic BP: 100/ 70mmHg - **0 points**
 Central Refill: GREATER THAN 5 SECONDS - **3 points**
 AVPU: RESPONDS TO PAINFUL STIMULI - **2 points**

ORANGE RISK – HPEWS

NAME: INI THREE, WSSEVEN
 DATE: 27 September, 2024 12:20:58 EDT
 MRN: 11000871
 BIRTH DATE: 01 January, 2016
 AGE: 8 Years
 LOCATION: SCS; SC 4BA; SC4B01

HPEWS Score (6)

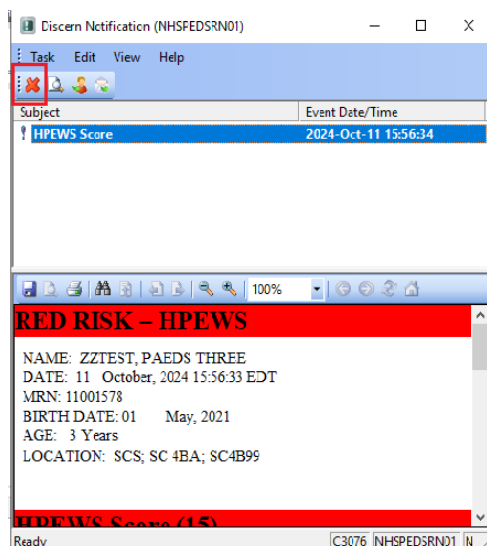
HPEWS Score 6-9

Initiate Nursing Interventions:

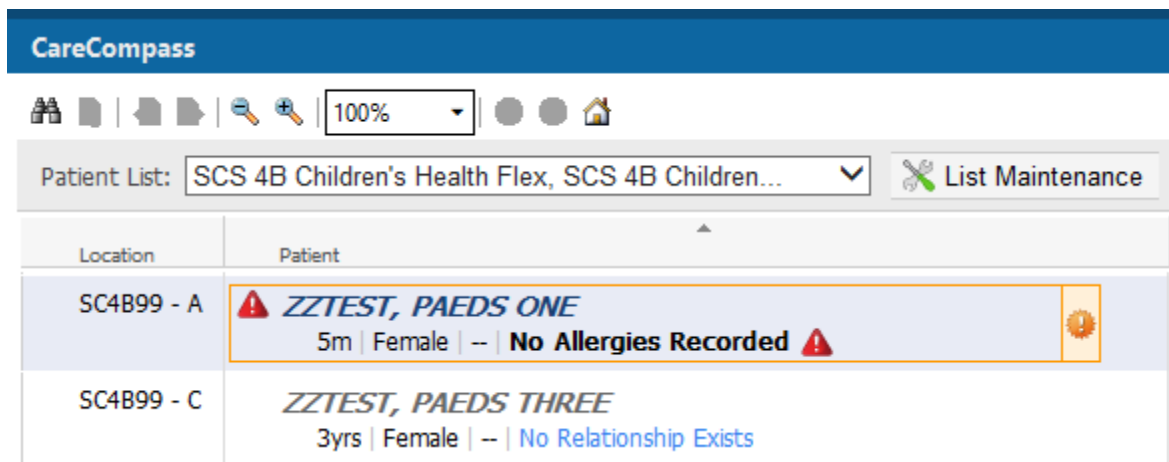
1. Notify Charge Nurse.
2. Call MD on-call (MD to attend in <2 hours).
3. Notify RT if applicable.
4. Continuous monitoring (cardiac monitor or continuous oxygen saturations as ordered).
5. Charge Nurse to review nurse to patient ratio
6. Vital signs 15-60 minutes unless otherwise specified by the MD.
7. HPEWS repeated with 60 minutes.
8. If patient remains in Orange, the MD, RT, and Charge Nurse must be notified again.

HPEWS Criteria

Respiratory Rate: 24 br/min - **1 points**
 Respiratory Effort: NORMAL - **0 points**
 Oxygen Saturation: 99% - **0 points**
 Oxygen Therapy: ROOM AIR - **0 points**
 Heart Rate: 106bpm - **1 points**
 Systolic/Diastolic BP: 100/ 70mmHg - **0 points**
 Central Refill: 3-5 SECONDS - **2 points**
 AVPU: RESPONDS TO VERBAL STIMULI - **2 points**



In **CareCompass**, a New Results/Orders icon (orange exclamation mark) will appear around the patient's name indicating that there is a new item to review when an HPEWS score is 3 or higher.



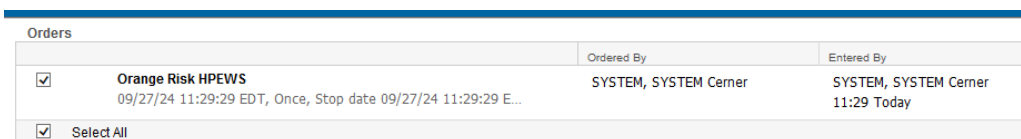
CareCompass

100%

Patient List: SCS 4B Children's Health Flex, SCS 4B Children... List Maintenance

Location	Patient
SC4B99 - A	ZZTEST, PAEDS ONE 5m Female -- No Allergies Recorded
SC4B99 - C	ZZTEST, PAEDS THREE 3yrs Female -- No Relationship Exists

Click on the New Results/Orders icon to open the Items for Review menu, and the HPEWS Risk will appear as seen below.



Orders	Ordered By	Entered By
<input checked="" type="checkbox"/> Orange Risk HPEWS 09/27/24 11:29:29 EDT, Once, Stop date 09/27/24 11:29:29 E...	SYSTEM, SYSTEM Cerner	SYSTEM, SYSTEM Cerner 11:29 Today
<input checked="" type="checkbox"/> Select All		

Click on the box next to the HPEWS notification and select

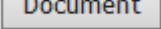
Mark as Reviewed

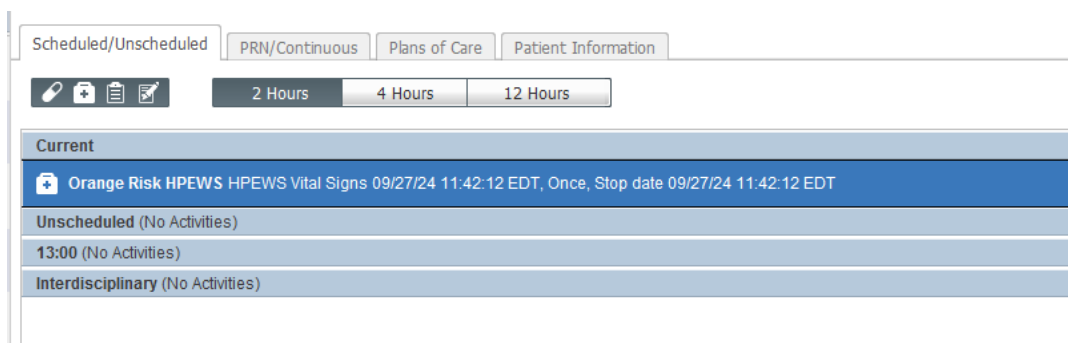
To document the reassessment and interventions completed click on the arrow in the red box as seen in the screenshot below to open the **Activities and Interventions** window.

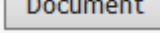


SC4B10 - A **HPEWS, SIXTOTWELVEYEARS**
6yrs | Female | -- | No Known Medicati...

Within the Activities and Interventions window, the HPEWS task will be listed. Select the

HPEWS task to highlight it, and then select the  button on the bottom right of the window.



After selecting the  button, you will be directed to the **Interactive View and I&O** mPage to document the reassessment and interventions that have been completed depending on the HPEWS score.

