Medications – Paediatric -Asthma Orderset

Digital Health CONNECTING BEST CARE

Digital Health Quick Reference Guide

Placing Initial Orders

- 1. Select Orders and Referrals and click +Add.
- 2. Enter **PAED** into the search box to display all paediatric ordersets.
- 3. Select PAED Asthma orderset.



4. The PAED Asthma order set contains multiple phases. Select **OK** then click on each phase under the **View** tab on the left hand side to view the contents.

ED Asthma		
elect Visit and Start Time		
Confirm Patient Care Investigatic	ins Start Date/Time	
09/10/2020 0 1724	A AFDT	
V V 1/24	▼ AED1	
onfirm Phase Action		
Phase	Start Date/Time	Action
Patient Care & Investigations	08/10/2020 17:24 AEDT	Order now 👻
Meds: Initial Management	08/10/2020 17:24 AEDT	Order now 👻
	08/10/2020 17:24 AEDT	Order now 👻
Meds: Intravenous		
Meds: Intravenous Meds: Preventative	08/10/2020 17:24 AEDT	Order now
Meds: Intravenous	08/10/2020 17:24 AEDT	Orderson

5. Select all required orders from the **Patient Care & Investigations** phase.



PATIENT CARE
Oxygen (O2) Therapy Paediatric/Newborn
Non-invasive Ventilation (NIV) Paediatric/Newborn
🗖 🔀 Education Asthma
📓 僗 < Paediatric Asthma Action Plan
Communication Order
🐣 PATHOLOGY
🗖 🛛 🔀 Blood Gas Arterial (ABG)
Blood Gas Capillary (CBG)

6. Select all required orders from the Meds: Initial Management phase.

Note: Some order sentences will filter to the correct dose based on the patient's age

	inhalation)	_	>= 6 years. Administe
ീ	ipratropium (ipratropium 21 mcg/inh pressurised inhalation)	-	Select an order sente
٩	Inhaled Bronchodilator Therapy		
ീ	salbutamol (salbutamol 100 mcg/inh pressurised inhalation)	-	Select an order sente
ീ	ipratropium (ipratropium 21 mcg/inh pressurised inhalation)	-	Select an order sent
3	NEBULISED Therapy		
ീ	salbutamol (salbutamol 5 mg/2.5 mL inhalation solution)	•	5 mg, Nebulised, Neb

Orders For Signature 7. Select to review all orders and complete any mandatory details. Then review the MAR / MAR Summary.

Placing further orders

- Navigate back to the Orders and Referrals and select the View tab. Note the 1. phases you have already signed have been Initiated, and other phases are still Planned.
- The Initiated phases will only display orders that have already been signed. To 2. place further orders from the same phase, click the lightbulb icon to 'reset' the phase to its original view.

Then select orders and sign as usual.

"Meds: Intravenous" Phase

- 1. Select all required orders from the Meds: Intravenous phase
- 2. The Dosage Calculator will launch if a dose is weight-based.
 - Check that the Actual Weight and / or • Adjusted Weight fields are accurate (you may enter values manually if necessary).
 - Check that the Final Dose is calculated correctly (you may override / round the dose manually if necessary).
 - Select Apply Dose.

) Target dose:	10	mg/kg	~		Dose Forms Order Comment	2		_
2) Calculated dose:	220	mg			Max dose 500 mg			
3) Dose Adjustment:	220	mg	100 🗘 %		Dilute to 1 mg/mL (10 mL/kg)			
4) Final dose:	220	mg	10	mg/kg				
i) Standard dose:		mg		mg/kg				
6) Rounding rule:	No rounding			~				
7) Adjust Reason					4			
3) Route:	IV Infusion				√			
3) Rate:		mL/hr			_			~
10) Volume:] mL						
Antonio Data								
neletice Data								
herence bata								
neience Data								
Date of birth:	10/01/2007	. .	(13 Years)					
Date of birth: Sex	10/01/2007 M ~	÷ •	(13 Years)					
Date of birth: Sex: Sthnicity:	10/01/2007 M ~ No ~	<u>.</u> .	(13 Years)				-	
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Date of bith: Sex Ethnicity: Height: Actual weight: Actual weight: Serum creatinine: Ect0 (ext.):	10/01/2007 M ∨ No ∨ 22 22 22 22	cm kg kg umol/L	(13 Years)	Source: Source: Adjusment: Source: Algoethma	Marualy entered 6/10/2020 17.34 22.000 kg Weight N Actual (no adjustment) Marualy entered Schwatz - Unitem	Measured V V]] Missing data	
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Date of bith: Sex Ethnicky: Height: Actual weight: Actual weight: Serum creatinine: CrCI (est.): Body surface area:	10/01/2007 M V No V 22 22	↓ ↓ cm kg kg umol/L	(13 Years)	Source: Source: Adjustment: Source: Algorithm Weight Used for Cr.(1: Algorithm	Manually intered 8/10/2020 17.34 22.000 kg Weight N Actual (no adjustment) Manually extended Schwatz - full term Monteler	Measured v) Missing data Missing data	
Date of bith: Sex :thrichy: teight: Actual weight: Actual weight: actual weight: JCI (est.): JCI (est.):	10/01/2007 M V No V 22 V 22 V	↔ ♥ cm kg kg umol/L	(13 Years)	Source: Source: Adjustment: Source: Algorithm: Weight Used for CrCt Algorithm:	Marually entered Br10/2000 17.34 22.000 kg Weight N Actual (no adjutter) Schwatz - full term Monteler	Measured V V V	Missing data	









Digital Health





Magnesium sulfate is pre-defined to run 0.2 mmol/kg in 20 mL sodium chloride 0.9% over 20 minutes.

Magnesium Sulfate	
magnesium sulfate infusion 0.2 mmol/kg in Sodium	20 mL, IV Infusion, 1 bag(s)
Chloride 0.9% 20 mL BAG BY BAG - PAED	Max dose 8 mmol

Base Solution	Bag Volume		Rate	Infuse Over
sodium chloride 0.9% infusion (BAG BY BAG)	20 mL	6	60 mL/hr	20 min(s)
Additive	Additive Dose		Normalized Rate	Delivers
🗙 magnesium sulfate (additive)	2 mmol	8		

Aminophylline has orders for both a loading dose and a subsequent infusion.

🚱 Aminophylline	0
Loading Dose 10mg/kg (max dose 500mg)	The Loading Dose is pre-defined to run 10 mg/kg over
Dose will <u>autocalculate</u> based on patient's weight	1 hour, with the prescriber required to enter the
Prescriber should <u>enter the bag volume</u> (10 mL/kg)	diluent volume as per instructions
The amiNOPHYLLine infusion 10 mg/kg in Sodium Chloride 0.9% xx mL	mL, IV Infusion, Infuse over: 1 hr(s), 1 bag(s), Indication: LOADING Dose
BAG BY BAG - PAED (LOADING DOSE)	Max dose 500 mg Dilute to 1 mg/mL (10 mL/kg)
Subsequent Infusion 25mg/kg Dose will <u>autocalculate</u> based on patient's weight Prescriber should <u>enter the rate of infusion</u> based on patient's ag Age 1 - 9 years: 2.2 mL/hr (1.1 mg/kg/hr) Age > 9 years: 1.4 mL/hr (0.7 mg/kg/hr)	The Subsequent Infusion is pre-defined to run 25 mg/kg in 50mL sodium chloride 0.9%, with the prescriber required to enter the rate as per instructions
Comparison 25 mg/kg in Sodium Chloride 0.9% 50 mL	50 mL, IV Infusion, mL/hr, Duration: 1 bag(s), Indication: SUBSEQUENT Infusion
BAG BY BAG - PAED (MAINTENANCE)	Enter the rate of infusion based on patient's age: Age 1 - 9 years: 2.2 mL/hr (1

- 3. If aminophylline loading is required, select the Loading Dose order > review Dosage Calculator > Apply Dose
- 4. The Continuous Details tab will then display
- 5. Refer to the instructions in the Order Comments and enter the diluent volume into the Bag Volume field.

Note: Entering the value in mL/kg will trigger the Dosage Calculator to launch again.

aminophylline (additive) 100 mg 0.9% infusion (BAG BY BAG)	+ sodium chloride	mL, IV Ir Max dos	nfusion, Rate: 10 mL/h e 500 mg_Dilute to 1 r	r, 1 bag(s), Indic: ng/n <mark>I</mark> (10 mL/k	ation: LOADING Dose, (g) Target Dose: amino
Subsequent Infusion 75mg/	ka			/	
■ Details for aminophylline (add ■	litive) 100 mg	+ sodium chlorid	e 0.9% infusio	on (BAG E	BY BAG)
🖀 Details 🎁 😵 Continuous Details 🎁 🕻	order Comments 🛛 🛞	Offset Details 🛛 ি Diagnose	25		
	B 14 1				
Base Solution	Bag Volume	Rate	Infuse Over		
sodium chloride 0.9% infusion (BAG BY BAG	10 mL/kg	🔒 10 mL/hr	hr(s)		
Additive	Additive Dose	Normalized Rate	Delivers	Occurrence	
aminophylline (additive)	100 mg	8		EB 💌	
		8			

- 6. Review Dosage Calculator > Apply Dose
- 7. Once the Bag Volume has been entered, the Rate will auto-calculate based on the pre-defined Infuse Over time of 1 hour.

Base Solution	Bag Volume		Rate		Infuse Over
🔤 sodium chloride 0.9% infusion (BAG BY BAG)	100 mL	Ø	100 mL/hr		1 hr(s)
Additive	Additive Dose		Normalized R	ate	Delivers
× aminophylline (additive)	100 mg	8			
2		20			





- If a subsequent aminophylline order is required, select the Subsequent Infusion order > review Dosage Calculator > Apply Dose
- 9. The Continuous Details tab will then display
- Refer to the instructions in the Order Comments and enter the appropriate Rate in mL/hr based on your patient's age

Jider comments
Enter the rate of infusion based on patient's age: Age 1 - 9 years: 2.2 mL/hr (1.1 mg/kg/hr)
Age > 9 years: 1.4 mL/hr (0.7 mg/kg/hr)

Note: Magnesium and Aminophylline are both **bag by bag infusions** with a pre-defined duration of "1 bag(s)". This means when the bag is finished, nursing staff complete the order and it will become discontinued on the MAR / MAR Summary.

11. (Click	Å.	Initiate Now	to Initiate the new	"Meds:	Intravenous"	phase
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12. Select Orders For Signature to review all orders and complete any mandatory details.

Then Sign and review the MAR / MAR Summary.

بر (<mark>اور</mark> ا
aminophylline (additive) 100 mg
sodium chloride 0.9% infusion (BAG BY BAG) 100 mL
100 mL, IV Infusion, Rate: 100 mL/hr, 1 bag(s), First dose 24/12/2020 16:46:00, Indication: LOADING
Dose, Stop date 24/12/2020 17:45:00, Total volume (mL): 100
Max dose 500 mg_Dilute to 1 mg/mL (10 mL/kg)_Target Dose: aminophylline (additive) 10 mg/kg (Ac
Administration Information
amiNOPHYLLine
Sodium Chloride 0.9%
aminophylline (additive) 250 mg
sodium chloride 0.9% infusion (BAG BY BAG) 50 mL
50 mL, IV Infusion, Rate: 1.4 mL/hr, 1 bag(s), First dose 24/12/2020 16:46:00, Indication: SUBSEQUENT
Infusion, Stop date 26/12/2020 04:27:00, Total volume (mL): 50
Enter the rate of infusion based on patient's age: Age 1 - 9 years: 2.2 mL/hr (1.1 mg/kg/hr) Age > 9
Administration Information
amiNOPHYLLine
Sodium Chloride 0.9%
magnesium sulfate (additive) 2 mmol
sodium chloride 0.9% infusion (BAG BY BAG) 20 mL
20 mL, IV Infusion, Rate: 60 mL/hr, 1 bag(s), First dose 24/12/2020 16:46:00, Stop date 24/12/2020
17:05:00, Total volume (mL): 20
Max dose 8 mmol Target Dose: magnesium suitate (additive) 0.2 mmol/kg (Actual Dose: 0.2 mmol/k
Administration information
magnesium sultate
Sodium Chloride 0.9%

"Meds: Preventative" phase

- 1. Select all required orders from the Meds: Preventative phase
- 2. Click Initiate Now to Initiate the new "Meds: Preventative" phase
- 3. Select Orders For Signature to review all orders and complete any mandatory details. Then Sign review the MAR / MAR Summary.

