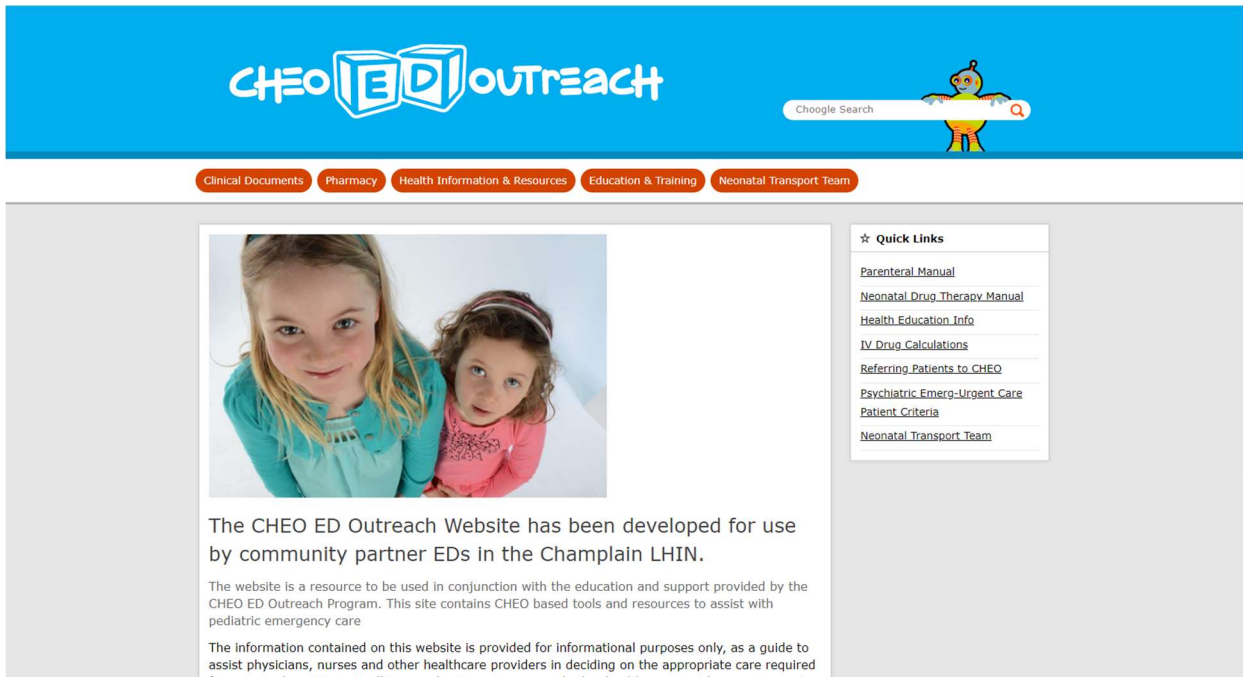


CHEO Outreach Manual—Analgesia/Sedation

There is a useful IV Drug Calculation tool on the CHEO Outreach website. Below is a step-by-step guide to accessing and using the tool.

Visit the CHEO Outreach website at <https://outreach.cheo.on.ca/home>



Once on the CHEO Outreach website navigate to the menu on the right side of the page. Here you will see quick links for various manuals and tools. Click on “IV Drug Calculations”



CHEO Outreach—Drug Dosage Calculation Programs

Once you click on this link you will be brought to the Drug Dosage Calculation Programs where you will see a list of possible calculators.

The screenshot shows the CHEO Outreach website interface. At the top, there is a blue header with the CHEO Outreach logo and a search bar. Below the header, there are navigation tabs for Clinical Documents, Pharmacy, Health Information & Resources, Education & Training, and Neonatal Transport Team. The main content area is titled 'Drug Dosage Calculation Programs' and includes a disclaimer about the calculator's use. A list of calculator categories is provided, with 'Analgesia/Sedation' highlighted in a red box. A sidebar on the left contains a list of documents, with 'Drug Dosage Calculation Programs' selected.

Select the calculator you would like to use:

The screenshot shows the 'Emergency Drug Calculator' for 'ANALGESIA/SEDATION DRUGS'. The page title is 'Emergency Drug Calculator ANALGESIA/SEDATION DRUGS'. The page includes a disclaimer: 'This printout is a guideline only, not a physician order'. Below the disclaimer, there are input fields for Patient Name, Date, Patient Weight, Entered by, and Verified by. A 'Perform Calculations' button is visible. Below the button, there is a table with columns for Drug, Concentration, Dose, Volume, Notes, and Admin Notes. The table shows 'Fentanyl - Low Dose (1 mcg/kg)' with a concentration of 50 mcg/mL and a note 'Undiluted. Over 3-5 min.'.

The name of the calculator you are using will display at the top of the page. The only required information to use the calculator is a name (which you can add an 'X' instead of the name if it is unknown) and the weight of the patient (the weight must be added in the the "Patient Weight" field and in the "Verify Weight" field).

Emergency Drug Calculator

ANALGESIA/SEDATION DRUGS

Advanced Directives
 Yes No

This printout is a guideline only, not a physician order

Dose calculations intravenous unless otherwise specified

Patient Name: *	<input type="text" value="Jane Doe"/> <small>(If unknown, enter as Patient X, etc.)</small>	Date:	<input type="text" value="June 8, 2021"/>
Patient Weight: *	<input type="text" value="20"/> kg	Entered by:	<input type="text"/> Initials
Verify Weight: *	<input type="text" value="20"/> kg	Verified by:	<input type="text"/> initials

Perform Calculations >

Drug	Concentration	Dose	Volume	Notes	Admin Notes
ANALGESIA/SEDATION					
Analgesics					
Fentanyl - Low Dose (1 mcg/kg)	50 mcg/mL				Undiluted. Over 3-5 min.
Fentanyl - High Dose (2 mcg/kg)	50 mcg/mL				Undiluted. Over 3-5 min.
Ketamine (1 mg/kg)	10 mg/mL				Undiluted. Over ≥ 1 min

Emergency Drug Calculator

ANALGESIA/SEDATION DRUGS

Advanced Directives
 Yes No

This printout is a guideline only, not a physician order

Dose calculations intravenous unless otherwise specified

Patient Name: *	<input type="text" value="Jane Doe"/> <small>(If unknown, enter as Patient X, etc.)</small>	Date:	<input type="text" value="June 8, 2021"/>
Patient Weight: *	<input type="text" value="20"/> kg	Entered by:	<input type="text"/> Initials
Verify Weight: *	<input type="text" value="20"/> kg	Verified by:	<input type="text"/> initials

Perform Calculations >

Drug	Concentration	Dose	Volume	Notes	Admin Notes
ANALGESIA/SEDATION					
Analgesics					
Fentanyl - Low Dose (1 mcg/kg)	50 mcg/mL				Undiluted. Over 3-5 min.
Fentanyl - High Dose (2 mcg/kg)	50 mcg/mL				Undiluted. Over 3-5 min.
Ketamine (1 mg/kg)	10 mg/mL				Undiluted. Over ≥ 1 min
Morphine - Low Dose (0.05 mg/kg)	2 mg/mL			Initial Maximum Dose 5 mg	Dilute to ≤ 2 mg/mL in NS. Over 4-5 min
Morphine - High Dose (0.1 mg/kg)	2 mg/mL			Initial Maximum Dose 5 mg	Dilute to ≤ 2 mg/mL in NS. Over 4-5 min
Sedatives					

Once you have input the values in these fields click "Perform Calculations" and you will then be provided with the required medications and all relevant information you may need. There is also an option in the upper right-hand corner to print the sheet if you need it.