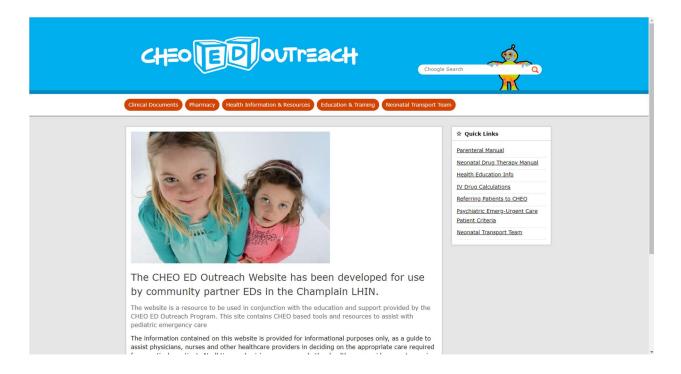
## CHEO Outreach Manual—Analgesia/Sedation

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"



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.

|  | Realth Information & Resources Education & Training Neonatal Transport Team   |  |
|--|---|--|
| Home » Pharmacy  | 🖨 Print   |  |
| CHEO Dosage Guideline Pocket<br>Card<br>Making Meds Taste Better<br>Parenteral Manual<br>Drug Dosage Calculation<br>Programs<br>Age Options<br>Neonatal Drug Therapy Manual<br>CHEO Antimicrobial Guidelines | <ul> <li>Drug Dosage Calculation Programs</li> <li>This section provides a weight based drug calculator for pediatric dosages. By selecting the appropriate drug program and entering patient weight, recommended dosages are presented. These drug programs are provided for informational purposes for qualified health care professionals. The hospital will not assume responsibility for the continued currency of the information, any errors or omissions, and/or any consequences arising from use of the information outside of CHEO. CHEO has taken reasonable steps to ensure dose accuracy. However, changes in drug therapy can occur. Hospitals and healthcare practitioners should confirm and follow the doses and product information set out by the drug manufacture.</li> <li>Pediatric Drug Infusions</li> <li>PALS/Anaphylaxis</li> <li>Status Epilepticus</li> <li>Status Epilepticus</li> <li>Analgesia/Sedation</li> <li>Respiratory</li> <li>Neonatal Resuscitation Drugs</li> <li>Neonatal Intensive Care Unit Drug Infusion Calculator</li> <li>Resolution Intensive Care Unit Drug Infusion Calculator</li> </ul> |  |

Select the calculator you would like to use:

| CHEO                              |                      | ovtrea  | ach                 | Choogle S               | Search                        |  |
|-----------------------------------|----------------------|---|---------------------|-------------------------|-------------------------------|--|
| <br>Clinical Documents Pha        | armacy Health Inform | ation & Resources                             | ducation & Training | Neonatal Transport Tear | m                             |  |
| Home                              |                      |   |                     |                         | 🖨 Print                       |  |
| ANALGESIA<br>This printout is a   | Drug Calculato       | RUGS<br>a physician orde<br>ss otherwise spec |                     | June 8, 2021            | Advanced Directives<br>Yes No |  |
| Patient Weight:*                  | [                    | kg  | Entered by:         |                         | Initials                      |  |
| Verify Weight:                    |                      | kg  | Verified by:        |                         | initials                      |  |
| Perform Calculatio                | Concentration Dose   | Volume Notes                                  |                     |                         | Admin Notes                   |  |
| ANALGESIA/SEDAT                   | ION                  |   |                     |                         |                               |  |
| Analgesics                        |                      |   |                     |                         |                               |  |
| Fentanyl - Low Dose<br>(1 mcg/kg) | 50 mcg/mL            |   |                     |                         | 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).

Home n Print **Emergency Drug Calculator** Advanced Directives Yes No ANALGESIA/SEDATION DRUGS This printout is a guideline only, not a physician order Dose calculations intravenous unless otherwise specified Patient Name:\* Jane Doe Date: June 8, 2021 (If unknown, enter as Patient X, etc.) Patient Weight:\* Entered by: 20 kg Initials Verify Weight:\* 20 kg Verified by: initials Perform Calculations Admin Notes Drug Concentration Dose Volume Notes ANALGESIA/SEDATION Analgesics Fentanyl - Low Dose Undiluted. Over 3-5 min. 50 mcg/mL (1 mcg/kg) Undiluted. Over 3-5 min. Fentanyl - High Dose 50 mcg/mL (2 mcg/kg) Undiluted. Over ≥ 1 min Ketamine 10 mg/mL (1 mg/kg)

| ANALGESIA  | Drug Calcı<br>/SEDATIO |                  | UGS      |  |              | Advanced Directives<br>Yes No                   |
|--|------------------------|------------------|----------|--|--------------|---|
| This printout is a   | guideline only         | /, not a p       | ohysicia | n order  |              |   |
| Dose calculations  | intravenous            | unless o         | otherwis | e specified  |              |   |
| Patient Name:*   | Jane Doe               |                  |          | Date:  | June 8, 2021 |   |
|  | (If unknown, ente      | er as Patient X, | etc.)    |  |              |   |
| Patient Weight:"   | 20                     |                  | kg       | Entered by:  |              | Initials  |
| Verify Weight:*  | 20                     |                  | kg       | Verified by:   |              | initials  |
| Perform Calculation  | Concentration          | Dose             | Volume   | Notes  | A            | dmin Notes                                      |
| ANALGESIA/SEDATIO  |                        |                  |          |  |              |   |
| Analgesics   |                        |                  |          |  |              |   |
| Fentanyl - Low Dose<br>(1 mcg/kg)                          | 50 mcg/mL              |                  |          |  | Un           | diluted. Over 3-5 min.                          |
|  |                        |                  |          |  |              |   |
| Fentanyl - High Dose<br>(2 mcg/kg)                         | 50 mcg/mL              |                  |          |  | Un           | diluted. Over 3-5 min.                          |
|  | 50 mcg/mL<br>10 mg/mL  |                  |          |  |              | diluted. Over ≥ 1 min.<br>diluted. Over ≥ 1 min |
| (2 mcg/kg)<br>Ketamine                                     |                        |                  |          | Initial Maximum Dose 5 mg                              | Un           |   |
| (2 mcg/kg)<br>Ketamine<br>(1 mg/kg)<br>Morphine - Low Dose | 10 mg/mL               |                  |          | Initial Maximum Dose 5 mg<br>Initial Maximum Dose 5 mg | Un           | diluted. Over ≥ 1 min                           |

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 righthand corner to print the sheet if you need it.