

In the event of 25% Dextrose Injection pre-filled 10 mL syringe shortage, the below chart may be used for administration of Dextrose via D10W 250 mL bag. For any child less than 19 kg, the dose of D10W should be withdrawn from the IV bag and administered with the use of a syringe or should be administered judiciously via a buretrol.

Please be aware that large volume infusions of D10 could possibly lead to hyponatremia and hyponatremic seizures.

****Below dosing for the event of a code situation only. Reduced dosing necessary for non-code situations.****

Color/Weight	Dextrose Dose (0.5 g/kg)	10% Dextrose Pre-mix bag (5-10 mL/kg/dose of D10W)
3 kg	1.5 g	15 mL
4 kg	2 g	20 mL
5 kg	2.5 g	25 mL
6 - 7 kg	3.25 g	30 mL
8 - 9 kg	4.25 g	40 mL
10 - 11 kg	5.25 g	50 mL
12 – 14 kg	6.5 g	65 mL
15 – 18 kg	8.25 g	80 mL
19 – 23 kg	10.4 g	105 mL
24 – 29 kg	13 g	130 mL
30 – 36 kg	16.5 g	165 mL

Kleinman ME, Chameides L, Schexnayder SM, et al. Part 14: Pediatric Advanced Life Support: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2010;122(18)(suppl 3):876-908.

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****Below dosing for the event of hypoglycemia, non-code situations.**

Alternative dosing required for code situations – access crash cart for dosing guidelines.**

Age/Weight	Dextrose Dose (0.25 – 0.5 g/kg) maximum single dose 25 g	10% Dextrose Pre-mix bag
Neonatal		2 mL/kg
Infants and children up to 12 years		2.5 – 5 mL/kg (max 250 mL)
Adolescents ≥ 12 years		2.5 – 5 mL/kg (max 250 mL)

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