

Reference	Source of Evidence	Key findings and considerations
<p>The ANZCOR (Australian and New Zealand Committee on Resuscitation) Guidelines November 2021, from http://resus.org.au/guidelines/ (accessed 6th July, 2023)</p>	<p>International Guidelines</p>	<p>The initial and any subsequent dose by the intravenous or intraosseous route is 10mcg/kg, (10 micrograms/kg) with a maximum single dose of 1mg. 1 [Class A; Expert Consensus Opinion]. In special circumstances such as beta-blocker use or poisoning, larger doses may be used but are otherwise not recommended.</p> <p>If hypovolemia is suspected as the cause of cardiorespiratory arrest, intravenous or intraosseous crystalloid may be used initially for resuscitation1 [Class A] as a bolus of 10-20mL/kg. Additional boluses or colloid solution should be titrated against the response.</p> <p>(https://www.anzcor.org/home/paediatric-advanced-life-support/guideline-12-2-paediatric-advanced-life-support-pals/ see 12.1, 12.2, 12.3</p>
<p>Moylan, A., Topjian, A., Nation, K., Ohshimo, S., Bronicki, R. A., Kadlec, K. D., Knight, L. J., McCormick, T. N., Morgan, R. W., Roberts, J. S., Tabbutt, S., Thiagarajan, R., Walsh, B., Raymond, T., Chan, M., Duff, J. P., Joyner, J. B. L., Lasa, J. J., Levy, A., . . . de Caen, A. R. (2020). Pediatric life support: 2020 International consensus on cardiopulmonary resuscitation and emergency cardiovascular care science with treatment recommendations.</p>	<p>International consensus with treatment recommendations</p>	<p>Recommends the initial dose of epinephrine in pediatric patients with non-shockable in-hospital cardiac arrest and out-of-hospital cardiac arrest be administered as early in the resuscitation as possible. Maintain current interval of Adrenaline 10mcg/kg every 2nd cycle.</p>
<p>Recher M, Canon V, Lockhart M, Lafrance M, Hubert H and Leteurtre S (2022) High dose of epinephrine does not improve survival of children with out-of-hospital cardiac arrest: Results from the French National Cardiac Arrest Registry. Front. Pediatr. 10:978742. doi: 10.3389/fped.2022.978742</p>	<p>Multicentre cohort study</p>	<p>There was no association between patients receiving a high dose or standard dose of epinephrine with the 30-day survival or survival status at hospital discharge. Therefore maintain current interval of Adrenaline 10mcg/kg every 2nd cycle.</p>