

<p>PRESENTATION</p> <p>Pre-filled syringe or ampoule containing 1 milligram of adrenaline (epinephrine) in 1ml (1:1,000) ADM.</p> <p>Pre-filled syringe containing 1 milligram of adrenaline (epinephrine) in 10ml (1:10,000) ADX.</p>	<p>INDICATIONS</p> <p>Cardiac arrest</p> <p>Anaphylaxis</p> <p>Life threatening asthma with failing ventilation and continued deterioration despite nebuliser therapy.</p>
<p>ACTIONS</p> <p>Adrenaline is a sympathomimetic that stimulates both alpha- and beta-adrenergic receptors. As a result the myocardial and cerebral blood flow is enhanced during CPR and CPR becomes more effective due to increased peripheral resistance maintaining a central blood reserve.</p> <p>Reverses allergic manifestations of acute anaphylaxis.</p> <p>Relieves bronchospasm in acute severe asthma.</p>	<p>CONTRA-INDICATIONS</p> <p>Do not give repeated doses of adrenaline in hypothermic patients.</p>
<p>CAUTIONS</p> <p>Severe hypertension may occur in patients on beta-blockers and half doses should be administered unless there is profound hypotension.</p> <p>For patients taking tricyclic anti-depressants (e.g. amitriptyline, imipramine) half doses of adrenaline should be administered for anaphylaxis.</p>	

DOSAGE AND ADMINISTRATION**1. Cardiac arrest****Route:** IV/ET rapid bolus**Concentration** – 1 milligram in 10ml (1:10,000)

AGE	DOSE	VOLUME
Adult	1 milligram (IV)	10.0ml
Adult	3 milligrams (ET)	30.0ml
11 years	350 micrograms	3.5ml
10 years	320 micrograms	3.2ml
9 years	290 micrograms	2.9ml
8 years	260 micrograms	2.6ml
7 years	230 micrograms	2.3ml
6 years	210 micrograms	2.1ml
5 years	190 micrograms	1.9ml
4 years	160 micrograms	1.6ml
3 years	140 micrograms	1.4ml
2 years	120 micrograms	1.2ml
18 months	110 micrograms	1.1ml
12 months	100 micrograms	1.0ml
9 months	90 micrograms	0.90ml
6 months	80 micrograms	0.80ml
3 months	60 micrograms	0.60ml
1 month	44 micrograms	0.44ml
Birth	N/A	N/A

REPEAT every 3-5 minutes of ongoing cardiac arrest.**2. Anaphylaxis****Route:** IM antero-lateral aspect of thigh or upper arm.**Concentration** – 1000 micrograms in 1ml (1:1,000)

AGE	DOSE	VOLUME
Adult	500 micrograms	0.50ml
6 years-<12 years	250 micrograms	0.25ml
6 months-<6 years	120 micrograms	0.12ml
<6 months	50 micrograms	0.05ml

REPEAT every 5 minutes as clinically indicated.**NOTE:** 250 micrograms in pre-pubertal children even if >12 years of age.**3. Asthma****Route:** SC/IM – antero-lateral aspect of thigh or upper arm.**Concentration** – 1000 micrograms in 1ml (1:1,000)

AGE	DOSE	VOLUME
Adult	500 micrograms	0.5ml
Child	Not indicated	

REPEAT after 5 minutes if clinically indicated.