

AED dosage

	Drug	Not Before	Loading	Pediatric Dosage		Adult Dosage	Pediatric Formulations	Adult Formulations
				Starting	Maximum			
FIRST GENERATION	Carbamazepine (Tegretol)			5mg/kg/d (TID)	40mg/kg/day	200 - 800 bid	Susp: 20/ml Chewable tab: 100mg	Tab: IR 200, XR 100, 200,400mg
	Ethosuxamide (Zarontin)	3 years		10mg/kg/d (BID)	45mg/kg/day	500 - 1500 qd	Syr:50/ml Cap: 250mg	Cap: 250mg
	Phenytoin		IV: 20mg/kg PO: 400,300, 300 Q2H	5mg/kg/d (bid)	15mg/kg/d	100 - 200 tid	Susp: 25/ml Chewable tab: 50	Cap: 100, 200, 300mg
	Valproate	6 months	20mg/kg	10mg/kg/d (BID/TID)	60mg/kg/day	250 bid – 60mg/kg	Syr: 50/ml (TID dosing)	Tab (DR) 125, 250, 500 Tab (ER) 250, 500, sprink 12!
	Phenobarbital		20mg/kg	5mg/kg/d (QD)	Target level 10-40		Elixir: 4/ml Tab: 15 – 30 – 60 - 100	
	Clonazepam			25mcg/kg/d (QHS)	1yr: 1mg, >yr: 6mg		Disp: 0.125 – 0.25 – 0.5 – 1 - 2	
SECOND GENERATION	Gabapentin (Neurontin) 1993	3 years		10mg/kg/d (TID)	50mg/kg/day	300 - 2400/d	Syr: 50/ml	Cap: 100, 300, 400 Tab: 600, 800
	Topiramate (Topamax) 1997	2 years		2mg/kg/d (BID)	15mg/kg/day	25 - 200 bid	Sprinkle: 15 – 25	Tab: 25, 50, 100, 200 Trokendi XR: 25, 50, 100, 200
	Lamotrigine Without Valproate	2 years		0.3mg/kg/d (BID) x 2 wks then 0.6mg/kg	15mg/kg/day	25/d – 200 bid With valproate: half dosage	Chewable tab: 2-5-25 Disintegrating: 25-50-100	Tab: 25, 100, 150, 200
	Levetiracetam (Keppra) 1999		20mg/kg	10:20mg/kg/d (BID)	100mg/kg/day	500 - 1500 bid	Syr: 100/ml	Tab: 250, 500, 750, 1000
	Brivacetam (Briviact) 2016					25 – 100 bid	Sus: 10/ml	Tab: 10, 25, 50, 75, 100
	Oxcarbazepine (Trileptal) 2000	2 years		10mg/kg/d (BID)	60mg/kg/day	300 - 1200 bid	Sus: 60/ml	Tab: 150, 300, 600 Oxtellar XR: 150, 300, 600
	Zonisamide (Zonegran) 2000	16 years		2mg/kg/d (QHS)	15mg/kg/day	25 - 200 qd	Cap: 25 – 50 - 100	
Felbamate (Felbatol) 1993	14 years		15mg/kg/d (TID)	45mg/kg/d	400-1200 mg tid	Susp: 125/ml	Tab: 400 - 600	
THIRD GENERATION	Lacosamide (Vimpat) 2009	16 years	10mg/kg	5mg/kg/d (BID)	15mg/kg/day	Mono: 100 - 200 bid Adj: 50 - 200 bid	Syr: 10mg/ml	Tab: 50-100–150-200
	Clobazam (Onfi) 2011	2 years		If <30kg 5mg HS If >30kg 5mg Bid	20mg/day 20mg BID		Susp: 2.5/ml Tab: 10 - 20	
	Perampanel (Fycompa) 2012	12 years		2mg QHS	12mg QHS	2-12 mg bid	Susp: 0.5mg/ml	Tab: 2-4-6-8-10-12
	Tiagabine (Gabitril)	12 years		4mg QHS	32mg QHS	4-32 mg qd	Tab: 2-4-12-16	
	Vigabatrin (Sabril) 2009			50mg/kg/d (BID)	150mg/kg/d	500-1500 mg bid	Sachets: 500mg	Tab: 500mg
	Rufinamide (Banzel)	1 year		10mg/kg/d (BID)	45mg/kg/d	200-1600 mg bid	Susp: 40/ml	Tab: 200 – 400 mg
	Eslicarbazepine (Aptiom)	4 years		200mg (BW 10:20) 300mg (BW 20:40)	600mg 900mg	400-1600 mg qd		Tab: 200, 400, 600, 800
Not for Children	Tiagabine (Gabitril)	12 years		4mg qd	16mg qid	4mg qd – 16mg bid		Tab: 2, 4, 12, 16 mg
	Brivacetam (Briact)	16 years		50mg bid	100mg bid	50-100 mg bid	Susp: 10/ml	Tab: 25, 50, 75, 100