

## MAXIMUM LIDOCAINE DOSES FOR INFILTRATION ANESTHESIA

1% Lidocaine = 10 mg Lidocaine per mL

2% Lidocaine = 20 mg Lidocaine per mL

Maximum Dose Lidocaine without Epinephrine – 3-5 mg/kg

Maximum Dose Lidocaine with Epinephrine – 5-7 mg/kg

Agent	Maximum Dose (70 kg adult = 154 lbs) in mg	Maximum Dose in mL
1% Lidocaine w/o Epi	300	30
1% Lidocaine with Epi	500	50
2% Lidocaine w/o Epi	300	15
2% Lidocaine with Epi	500	25

### Lidocaine Toxicity

- CNS – Dizziness, vision changes, h/a, peri-oral paresthesias, change in MS, Sz
- CV – vaso-constriction/-dilation, wide PR, wide QRS, tachycardia, arrhythmias
- Treat with benzo's, IVF, vasopressors, IVFE

## MAXIMUM BUPIVICAINE DOSES FOR INFILTRATION ANESTHESIA

0.25% Bupivacaine = 2.5 mg Lidocaine per mL

Maximum Dose Bupivacaine without Epinephrine – 2 mg/kg

Maximum Dose Lidocaine with Epinephrine – 3 mg/kg

Agent	Maximum Dose (70 kg adult = 154 lbs) in mg	Maximum Dose in mL
0.25% Bupivacaine w/o Epi	140	56
0.25% Bupivacaine with Epi	210	84