

Propofol dosing for pediatric age groups to 3 Ce levels

Bolus (mg/kg) and infusion rates (µg/kg/min) by age group and effect-site target (Ce, µg/ml)

Age group	0-1 mo			1-3 mo			3-6 mo			6-12 mo			12-36 mo			3-12 yrs			13-21 yrs		
Ce target (µg/ml)	2	3	4.5	2	3	4.5	2	3	4.5	2	3	4.5	2	3	4.5	2	3	4.5	2	3	4.5
Bolus mg/kg	3	3.5	4	3	3	4	2.5	3	4	2.5	3	4	2.5	3	4	2.5	3	4	2	3	4
Infusion 0-15 min µg/kg/min	150	183	238	150	200	260	183	200	260	200	208	270	200	217	282	230	250	325	184	200	260
Infusion 16-30 min µg/kg/min	100	167	217	133	183	238	167	192	250	167	200	260	167	200	260	181	217	282	146	175	228
Infusion 31-60 min µg/kg/min	83	150	195	117	167	217	133	175	238	142	183	238	150	192	250	143	183	238	122	156	203
Infusion 61-120 min µg/kg/min	67	133	173	108	158	205	117	167	217	133	175	238	142	183	238	129	167	217	115	149	194
Infusion 121-180 min µg/kg/min	NA	117	152	NA	150	195	NA	158	205	NA	167	228	NA	175	228	NA	150	195	NA	143	186
Infusion 181-300 min µg/kg/min	NA	100	130	NA	133	173	NA	150	195	NA	158	217	NA	167	217	NA	142	185	NA	136	177

Note: After a sevoflurane mask induction, the bolus dose should be infused over minutes — allowing the sevoflurane level to decrease to prevent hypotension.

Educational reference only. Verify all dosing against your institution's protocols, current drug references, and the individual patient. Not a substitute for clinical judgment.