

We currently have <7 days of IV Lorazepam on hand due to the national backorder. At this time, all of our remaining IV Lorazepam will be conserved for patients with severe alcohol withdrawal. In the absence of being able to make any changes within TogetherCare, please use the following guidance for all other indications.

Our pharmacists have been instructed to call providers to convert to an alternative route/medication for all IV lorazepam orders placed outside of the CIWA protocol.

CIWA:

- Utilize PO Ativan or Chlordiazepoxide symptom triggered orders off the CIWA order set
- Consider utilizing Chlordiazepoxide 50mg every 6 hours scheduled to mitigate breakthrough withdrawal symptoms

Acute Agitation:

- Utilize x1 doses of non-benzo options first
 - o haldol 2-5mg IV/IM, olanzapine 2.5-10mg IM, ziprasidone 10mg IM
- If an IV benzo is required, utilize IM/IV midazolam 1-2mg every 2 hours as needed

Acute Anxiety:

- If needed, utilize diazepam 5mg IV every 6 hours as needed (range 2-10mg)
- For procedural anxiety: Diazepam 2-10mg IV x1 given 5 to 15 minutes prior to procedure

Seizure Activity:

- Utilize diazepam IV 5-10mg (infuse at a rate of 5 mg/minute), repeat every 3 to 5 minutes as needed

Comfort Care:

- Utilize sublingual lorazepam whenever possible
- If IM is required, utilize midazolam IM 1-2mg every 2 hours as needed
- If IV is required, utilize midazolam IV (same dosing as IM) or diazepam IV 2-10mg every 3 to 6 hours as needed (MDD: 40mg)

Drug Information

Approximate Dose Equivalency:

Lorazepam IV/PO 1mg = Midazolam IV 2mg = Diazepam IV 5-8mg = Chlordiazepoxide PO 25mg

Pharmacokinetic Information:

Agent	Onset of Action (IV)	Duration of Action (IV)	Onset of Action (IM)	Duration of Action (IM)	Half-Life	Active Metabolites	Standard IV dosing range
Lorazepam	5-20 mins	6-8 hrs	15-30 mins	6-8 hrs	8-15 hrs	No	0.25-4mg
Diazepam	1-5 mins	0.5-1 hour	Slow and erratic, avoid	n/a	20-120 hrs	Yes <i>*decrease dose and interval in patients with hepatic impairment</i>	2-10mg
Midazolam	1-5 mins	<2 hrs	5-15 mins	<2 hrs	3-11 hrs	Yes	0.25-2mg

Please note:
The maximum IV midazolam dose allowed in non-critical care units is 2mg