



# Value Analysis

Pain Reliever	Cost/Use \$USD	Prep Time	Ease for Nursing	Ease for Pharmacist	Duration after Discontinuation	Pain Effectiveness	Ease of Cannulation†	Tips
<u>Buzzy®</u>	\$0.20/ \$2.20 w/ disposable ice wings	1 Minute	***	*****	30 Seconds	**** 1,2,4,5,6,8,10,24,25,26, 27	***** 4,21	Introduce to patient before applying; clean reusable wings between patients
Buffered Lidocaine c 30g	\$2.00	1 Minute	**	***	10 Minutes	*****	***	Nurses personally prefer to LMX; more waste. <sup>13</sup>
Cold Spray	\$0.50	10 Seconds	****	****	30 Seconds	* 4	*	Not recommended under age 18y <sup>9</sup>
<u>DistrACTION® Cards</u>	\$0.01	10 Seconds	*****	*****	N/A	*** 7,11,16, 27	N/A	97% say better phlebotomy experience <sup>11</sup>
EMLA®	\$6.00	60 Minutes	*	***	2 Hours	*****	**	Vasoconstricts until 90 min; improved IV success after 2 hours <sup>3</sup>
J-Tip®	\$3.90 unit/ \$2-5 Pharmacy Filling	1 Minute	***	*	10 Minutes	***** 12,14	***	Warn about loud pop
<u>L.M.X.4®</u>	\$4.00	20 Minutes	*	**	20 Minutes	**** 1	**	Try plastic cling wrap instead of Tegaderm for comfort. <sup>13</sup>
Synera®	\$15.00	20 Minutes	**	**	90 Minutes	*****	*****	Toxic if chewed; hot; best depth (8.11mm)
Zingo®	\$14.00	1 Minute	***	***	10 Minutes	***	**	Most Waste

\*=least | \*\*\*= intermediate | \*\*\*\*\*=best | Non-prescription products underlined | †: (Compared to nothing)

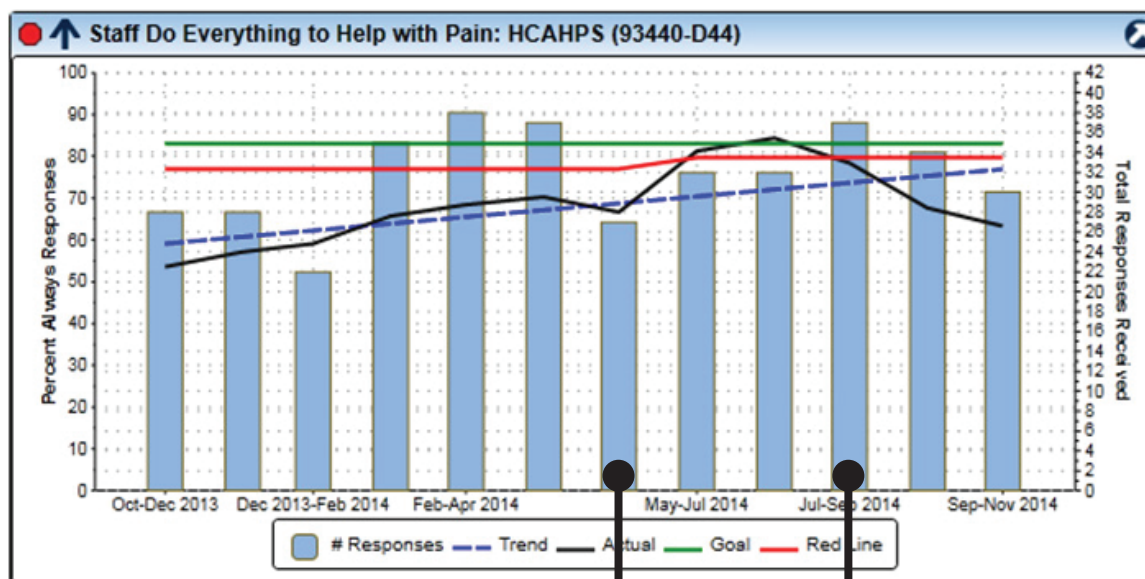


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**Save Time, Same Relief** – Delay in obtaining labs is the major barrier to ED flow. Buzzy® improves IV success on the first stick 3x.<sup>4</sup> An IV with Buzzy takes 3.5 minutes, while an IV with LMX takes 40.5 minutes, but both have equivalent pain relief.<sup>1,25</sup> 81% of phlebotomists found Buzzy made lab draws easier, 0% said it made it harder.<sup>21</sup>

**Improve Patient Satisfaction** – Patients love Buzzy and have mentioned it by name on Press Ganey Surveys (“Tell Buzzy I love him”). In an inpatient trial in an adult ward, using Buzzy raised HCAHPS scores to achieve the 82% positive goal, which fell below goal again when Buzzy was discontinued for a “quiet on the ward” initiative.

**How Buzzy Increases HCAHPS satisfaction scores.** In this adult medical ward, the green line represents the goal of 82% of patients saying the staff “always” do everything to help with pain. The black line represents the actual percentages. After the Buzzy® initiative was introduced, satisfaction with helping with pain crested to an all-time high. A second initiative to quiet the ward replaced the Buzzy® initiative in September.



Buzzy® initiative instituted

“Quiet on the Ward” Initiated, Buzzy removed

**Safety** – Buzzy does not alter lab values when used in compliance with lab collection standards.<sup>2</sup> Vaccines, antibodies, and biologic products are stable to -80F<sup>22</sup>, so injections are not affected by ice. Prolonged application of ice can trigger cold agglutinins when used for phlebotomy.<sup>22, 23</sup> Buzzy is FDA cleared to “control pain associated with injections, venipuncture, IV starts, cosmetic injections” and other pain indicators.



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## Value Analysis

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## Value Analysis

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