

IV MAID® Statistics and Useful Information

Initial pre and post-implementation of two performance improvement initiatives have shown a time savings of ~3-6 minutes per flush administration. This time savings is from travel time of clinicians obtaining the necessary flush supplies before going to the patient room. With the IV MAID® on the patients IV Pole, this time is greatly decreased, almost eliminated. The calculations below are with an estimated 3 doses of medication per patient per day – at a 3 minute time savings:

Time saving per flush administration	Time saving per 24 hour period patient (SASH Method)	Average RN salary	Financial savings in labor per day per patient
3 minutes	27 minutes (3 doses x 3 flushes x 3 minutes each)	\$40.00/ hour	\$18.00

Those 36 minutes saved can be devoted to direct patient care.

Type of disinfecting device	Active Ingredient	Cost per box	Cost each
Alcohol Prep Pad	Isopropyl alcohol, 70%	200/ \$1.28	\$0.0064*
chlorhexidine	2% chlorhexidine gluconate/ 70% isopropyl alcohol	100/ \$9.50	\$0.095*
Swab cap	Isopropyl alcohol, 70%	2400/ \$600.00	\$0.25*

*pricing taken from a large hospital system in the Midwest

Another consideration: if clinicians consistently scrubbed the hubs for the correct amount of time? Would we have to spend more \$ on a specific product, or be able to choose which product is best based on patients outcomes and within our budget?

Type of disinfecting device	Cost each	Number used/ 1 day/ patient (3 doses each using SASH method)	Cost per 1 day	Cost per year per occupied bed
Alcohol Prep Pad	\$0.0064*	12	\$0.0768	\$28.03
Chlorhexidine Prep Pad	\$0.095*	12	\$1.14	\$416.10
Swab cap	\$0.25*	3 swab caps + 9 alcohol preps	\$0.75 + \$0.0576=\$0.81	\$295.65

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