

Clinical Outcomes

Nozin® NOVASM programs utilize a proven approach to help reduce the risk of infections, to improve care and to lower costs. These programs include the use of **Nozin® Nasal Sanitizer® antiseptic** and are supported by the independent clinical studies cited below.

AdventHealth North Pinellas, FL

96%
DECREASE
in MRSA bacteremia
hospital-wide

Introduced universal nasal decolonization with Nozin for all inpatients in place of screening and contact precautions for MRSA colonized patients. Pre-op nasal decolonization for all surgical patients. Reduced incidence of all-cause SSI for all surgical procedures (from 3/4,313 to 0/4,872 procedures). Saved \$104k.

Arden S. *Op Forum Infect. Dis.* 2019. 6(S2), S268

12 MO.

AdventHealth Tampa, FL

\$1.4m
SAVINGS

Introduced universal nasal decolonization with Nozin for all inpatients, replacing targeted screening, isolation, and decolonization with mupirocin for MRSA colonized patients. Retained low MRSA bacteremia rate and reduced contact precautions. Saved \$1.4m.

Whitaker J. *Op Forum Infect. Dis.* 2019. 6(S2), S25

12 MO.

Frederick Health, MD

51%
REDUCTION
in *S aureus* SSI
replacing PVP-I

Introduced hospital-wide universal nasal decolonization for all inpatients. Replaced pre-op povidone iodine with Nozin pre- and post-op. Maintained 96% compliance rate. Reduced use of contact precautions. Saved \$223k.

Landis-Bogus K and Belani A. *Am. J. Infect. Control.* 2019. 47(S6), S39

17 MO.

Jackson North Medical Center, FL

74%
DECLINE
in MRSA bacteremia

Compared to screen and isolate in the ICU only, a hospital-wide universal decolonization bundle reduced bacteremia by 74%. Significant decrease in the SIR after the introduction of Nozin.

Jimenez A et al. *Op Forum Infect. Dis.* 2019. 6(S2), S268

30 MO.

AdventHealth Wesley Chapel, FL

98%
REDUCTION
in total hip SSI

Introduced universal nasal and body decolonization for all high-risk patients, replacing targeted screening and contact precautions. Nozin pre- and post-op decolonization replaced screening and decolonization with mupirocin for all orthopedic surgical patients. Maintained rate of zero SSI in total knee replacement. Reduced use of contact precautions. Saved \$200k.

Stegmeier H. *Op Forum Infect. Dis.* 2019. 6(S2), S446

12 MO.

Methodist University Hospital, TN

100%
REDUCTION
in MRSA bacteremia

Introduced universal nasal decolonization with Nozin in a tertiary-care adult intensive care setting, reduced MRSA bacteremia by 100% during study period from baseline rate of 0.2404 to 0. Found that this approach may be a safe and effective alternative to nasal antibiotic that avoids antibiotic resistance risks.

Reeves L et al. *Infect Control Hosp Epidemiol.* 2020. 41(S1)

7 MO.

Universal Health Services Inc., PA

88%
DECREASE
in isolation days

Safely replaced contact precautions (CP) for high-risk MRSA-colonized patients with targeted nasal and body decolonization, leading to significant cost savings and staff satisfaction without any increase in MRSA transmission.

Christie J et al. *Am. J. Infect. Control.* 2020. 48(8), 922-924

10 MO.



Scan for references & more at
nozin.com/clinical-outcomes/

Nozin
LEADER IN NASAL DECOLONIZATION.

Marshall Medical Center, CA

\$64k
SAVINGS
maintaining
low MRSA rates

Introduced daily nasal decolonization with Nozin to MRSA patients (history, colonized or active). Reduced use of contact precautions. Maintained low MRSA infection rates throughout the study.

Deatherage N. Am. J. Infect. Control. 2016. 44(S6), S101-S102

12 MO.

Northwest Healthcare, AZ

64%
REDUCTION
in spine fusion SSI

Replaced nasal povidone iodine with Nozin, paired with existing preoperative CHG bathing, for all spine fusion and laminectomy patients. Reduced spine fusion SSI by 64% and laminectomy SSI by 100%. Estimated cost avoidance of \$164,000 associated with infections prevented.

Candray K. Open Forum Infect Dis. 2020. 7(S1), S479

3 MO.

Riverside University Health Medical Center, CA

63%
REDUCTION
all-cause SSI

Universal preoperative decolonization protocol replaced povidone iodine-based nasal antiseptic with Nozin, paired with preoperative existing CHG bathing. Results include a 63% reduction of all-cause SSI and \$589,420 cost-savings from infections prevented.

Gnass S. Open Forum Infect Dis. 2020. 7(S1), S479

6 MO.

Bayfront Health Seven Rivers, FL

59%
REDUCTION
all-cause SSI

Introduced universal nasal decolonization for all preoperative patients added to existing CHG bathing protocol. Reduced all-cause SSI by 59% from average monthly baseline rate of 0.61 to 0.25. Represents an estimated cost avoidance of \$457k. 86% of hospital staff reported increased satisfaction.

Cernich C. Am J Infect Control. 2020. 48(S8), S50

6 MO.

Baylor Scott & White Orthopedic and Spine Hospital – Arlington, TX

81%
REDUCTION
in *S aureus* SSI

Introduced a comprehensive nasal decolonization program with Nozin for spine surgery patients, combined with existing CHG bathing protocol. Achieved reduction in *S aureus* SSI in spine surgery from 1.76 to 0.33 per 100 surgeries.

Mullen A et al. Am J Infect Control. 2017. 45(5), 554-556

15 MO.

WV University School of Medicine, WV

79%
REDUCTION
in SSI

Introduced pre- and post-op nasal decolonization with Nozin for total joint arthroplasty patients.

Bostian P et al. Poster presented at American Association of Orthopedic Surgeons (AAOS) Annual Conference. 2018.

7 MO.

Wellstar Cobb Hospital, GA

100%
REDUCTION
in total hip and total knee SSI

Added nasal decolonization with Nozin to existing preoperative CHG bath for total hip and knee replacement surgeries. Nasal decolonization continued post-op for length of stay. Reduced total hip SSI rate from 0.91 to 0.00 and total knee SSI from 0.36 to 0.00 per 100 procedures. \$400K avoided annually, associated with joint SSI prevention.

Franklin S. Am. J. Infect. Control. 2020. 48(12), 1501-1503

12 MO.

Medical University of SC Hospital, SC

99%
REDUCTION
in *S aureus* nasal carriage

Nasal application of Nozin was effective in reducing *S aureus* and total bacterial carriage, suggesting the usefulness of this approach as a safe, effective, and convenient alternative to antibiotic treatment.

Steed L et al. Am. J. Infect. Control. 2014. 42(8), 841-846

12hr
PERSISTENCE

In Vitro study demonstrates twelve-hour efficacy.

nozin.com/in-vitro



Scan for references & more at
nozin.com/clinical-outcomes/

Nozin
LEADER IN NASAL DECOLONIZATION.