

Breezy Blue™ Educational Impact

Reduce Nurse Visits by 39%



- ↓ **39% Nurse Visits** (pre vs. post-pandemic)
- ↑ **35% Enrollment** (2018 vs. 2022)
- ↑ **18% Student Attendance**

Facilitating safe in-person learning during the COVID-19 pandemic led to **reduced learning loss and increased academic success.**



"The results are greater than expected, including increased enrollment, decreased absenteeism, decreased nurse visits, and more contact time between our great teachers and our students."

**Principal, Rebecca Maestas-Sanchez
St. Mary's Catholic School (Albuquerque, NM)**

St. Mary's Catholic School Reduces Nurse Visits with Daily Disinfection

At a Glance:

- St. Mary's Catholic School was determined to continue in-person learning throughout the COVID-19 pandemic. To keep students learning and ensure academic success, St. Mary's needed to be able to disinfect regularly and effectively, even when janitors were hard to find.
- Breezy disinfecting foggers were introduced to St. Mary's to remove over 99.9% of germs in each classroom as well as the gym, cafeteria, teachers' lounge, and offices - all with minimal labor.
- St. Mary's saw a 39% decrease in nurse visits between 2019 and 2023, meaning fewer sick students and more time in the classroom. Nurse visits have been in a steady decline since the school started using Breezy disinfecting foggers, showing the effectiveness of daily disinfection.

Introduction

St. Mary's Catholic School is located in downtown Albuquerque, where dedicated teachers and staff have helped promising students reach their potential for over a century. As a private school, St. Mary's administration strives to be a safe, productive, top-choice school that brings in students from across the city.

In spring of 2020, when the COVID-19 pandemic started, St. Mary's evaluated how it could continue providing its students with a safe environment to learn. The school's administration, led by Principal Rebecca Maestas-Sanchez, prioritized in-person learning time and students' health. The safety measures implemented during the pandemic continued in the following years as a way to prevent and respond to future outbreaks.

Challenges

Disease spread among students and staff is a yearly occurrence, from cold and flu season to novel outbreaks like COVID-19. The spread of illnesses causes students and

staff to miss school or work, leading to a less productive environment, lower test scores, and chronic absenteeism. In 2020, St. Mary's Catholic School began dealing with absences due to illness in addition to several confirmed COVID-19 cases.

St. Mary's also struggled with high turnover rates among janitors. This meant that, in order to reduce costs, cleaning and disinfecting had to be quick and effective. Part of St. Mary's response to COVID-19 was the use of electrostatic sprayers in classrooms, bathrooms, and other common areas. This method of disinfecting was time-consuming, as it required each surface to be sprayed individually. It also inefficiently sprayed disinfectant, adding high recurring costs. St. Mary's school needed an easier tool that would give time back to the custodial team, allowing them to complete more meaningful tasks.

Solution

[Build With Robots, Inc.](#) (BWR) partnered with St. Mary's Catholic School in their mission to provide a healthy learning environment for students throughout the pandemic. At the beginning of 2021, St. Mary's Catholic School was one of the first to trial BWR's Breezy One, the autonomous disinfecting robot. In 2023, Principal Maestas-Sanchez would switch over to Breezy Blue, the disinfecting minibots, for a solution that was just as effective and required even less labor. Breezy Blue is an automated disinfecting fogger that can be operated via a controller or, as in the case of St. Mary's, on a schedule. The school has a Breezy Blue minibot in every classroom, and each is programmed to fog during the night so that students and staff can enter a disinfected school every morning. Both Breezy One and Breezy Blue have the same fogging technology and use the same disinfectant: Breezy BioCare RTU, a [Green Clean Certified](#) disinfectant



that is on the EPA's [List N](#) and [List Q](#) of disinfectants and proven to remove 99.9% of pathogens.

St. Mary's nurse visit data over the years demonstrates the efficacy of Breezy disinfecting products. The chart below compares nurse visits in February through April of 2019 (pre-pandemic), 2021 (height of pandemic), and 2023 (tail-end of pandemic). From 2019 to 2021, nurse visits decreased by **25.6%** as a result of daily disinfection. From 2021 to 2023, nurse visits further decreased by **17.4%** as the pandemic calmed down and St. Mary's made the switch to Breezy Blue. Overall, comparing nurse visits from pre-pandemic (2019) to nurse visits post-vaccines and mask mandates (2023), there was a **38.6%** reduction. Additionally, St. Mary's saw a 35% increase in enrollment between 2018 and 2022 because they were able to stay open. Even with more students, nurse visits dropped, and

absences decreased by 18%.

With Breezy Blue disinfecting classrooms every night, St. Mary's Catholic School is able to achieve its goals of staying open for in-person learning as well as providing a safe environment for students and staff. Plus, minimal labor is needed, so when there is no janitor around, teachers can still take comfort in the fact that every classroom is still being disinfected.



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St. Mary's Catholic School Number of Nurse Visits (February - April)

	2019	2021	2023
February	289	137	175
March	330	261	212
April	309	292	183
Total	928	690	570

	Difference in Number of Nurse Visits	Percent Change
Change 2019 - 2021	-238	-25.6%
Change 2021 - 2023	-120	-17.4%
Change 2019 - 2023	-358	-38.6%

