



## OVERVIEW

Polaris analyzed the RN staffing hours Emergency Department for St. John's hospital. Specifically, we studied the patient demand as well as registered nurse allocation by shift. Polaris focused on optimizing for savings opportunities with a target staff-to-patient ratio of 1 to 4 within the context of an average compensation of \$35 an hour and average weekly hours of 40 per nurse.

## CURRENT STATE

Based on the last 3 months of historical data (Sep 2021 - Nov 2021), we have estimated your anticipated cost to be \$1.1M annualized, assuming 20 scheduled staff per week.

AVERAGE MONTHLY VOLUME	1,300
AVERAGE DAILY VOLUME	74
HIGH-VOLUME DAY OF THE WEEK	Tuesday (86 visits)
LOW-VOLUME DAY OF THE WEEK	Saturday (52 visits)

## FUTURE STATE

Polaris leverages cutting-edge AI technology to process hundreds of variables and builds thousands of staffing models in a fraction of human time to discover and create savings opportunities in healthcare scheduling. Below is what was found for the emergency depart for St. John's hospital when considering a staff-to-patient ratio of 1 to 4:

HOURLY SHIFT DURATION	POTENTIAL SAVINGS OPPORTUNITY
8 to 12	\$344K
10 to 12	\$288K
12	\$228K