

Humble Kingwood Endoscopy

Element 1: Purpose

Background

During the COVID-19 Pandemic, HCA looked for ways to mitigate PPE shortages. Ambulatory surgery centers (ASCs) participated in FDA approved N95 mask reprocessing through the company Battelle as part of the PPE conservation effort. The process involved daily collection of used N95 masks in a designated collection bin. On a weekly basis, the masks in the collection bin were bagged and sent to the Battelle reprocessing facility. The reprocessed masks are then returned back to the center the following week.

Problem

Our center's initial July 2020 collection data showed our discard rate to be above the suggested discard rate.

Purpose

Reduce the center's baseline discard rate through the review of the N95 mask collection process and staff compliance.

Element 2: Performance Goal

Reduce the center's N95 mask discard rate to < 25%

Element 3: Data Collection Plan

Battelle provided a Reprocessing Dashboard to each center on a weekly basis that included information regarding the total masks collected, total reprocessed/returned, total discarded, along with the center's discard rate and the current national discard rate.

From the Reprocessing Dashboard the center collected the following weekly:

- Number of masks collected
- Number of masks processed
- Number of mask discarded
- Discard rate

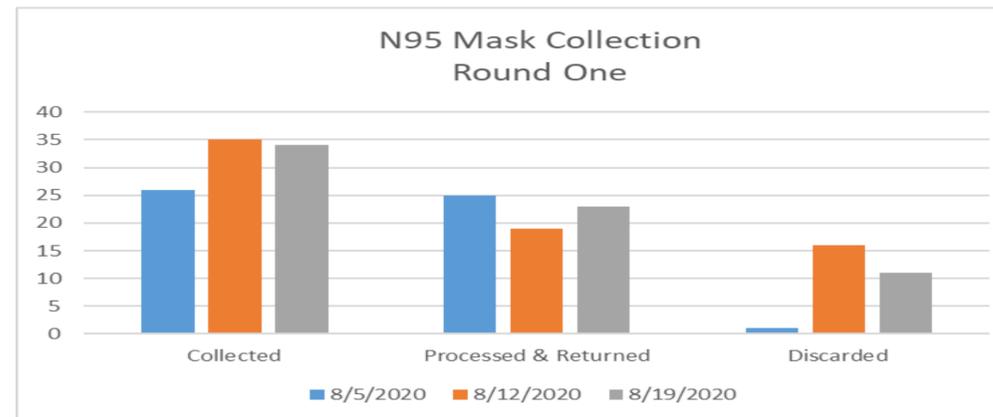
Element 4: Evidence of Data Collection

TOTAL PER WEEK	8/5/2020	8/12/2020	8/19/2020
Collected	26	35	34
Processed & Returned	25	19	23
Discarded	1	16	11
Discard %	3.85	45.71	32.35

Element 5: Data Analysis

Discard rate continues to vary. Our discard percentage rate was calculated by dividing the number of discarded masks by the number of masks collected, then multiplying by 100.

The Dashboard report indicated that the primary reason for discarded masks was due to the masks being soiled with makeup products.



Element 6: Performance Comparison

Our discard goal was < 25%.
Our performance was 29.47%

Element 7: Solutions

- Staff were reminded of the reprocessing requirements and processes for proper N95 mask disposal in the mask collection bin.
- Signs placed as reminders:
 - To avoid wearing make-up or oil based moisturizers.
 - Housekeeping not throw bins away as trash.
- Additional training regarding donning and doffing the masks.
- Tracking and identifying individuals that had high mask discard rates through employee identification numbers on the masks.

Element 8: Re-measure

2nd Round data showed our discard rate to be 17.82%

TOTAL PER WEEK	8/26/2020	9/2/2020	9/9/2020
Collected	39	37	25
Processed & Returned	32	31	20
Discarded	7	6	5
Discard %	17.95	16.22	20.00

Element 9: Additional Solutions

We reduced our center's N95 mask discard rate to <25% and met our goal with a rate of 17.82%

Element 10: Communication

The findings were shared with staff, Medical Executive Committee and Governing Body.