

PROJECT

- Incontinence Associated Dermatitis (IAD) is defined as “an inflammation of the skin that occurs when urine or stool encounters the perineal or peri-genital skin (Mcnicol, Ayello, Phearman, Pezzekka, & Culver, 2018)
- According to Center for Medicare and Medicaid Services (2020), there is a 5.7% incidence of IAD in long term care facilities
- According to McNicol, Ayello, Phearman, Pezzekka, & Culver, (2018), 47% of patient within the hospital are incontinent and of that number of patients, 46% of patients develop IAD
- There is an external urinary management system designed to help manage urinary incontinence in female patients. It is composed of a silicone adhesive pad that keeps the device in place, an ultra-soft wicking fabric that absorbs and diverts urine away from skin, a Flex-Fit Core that contours to the patient's anatomy, and a tapered plastic end cap that gently sits in perineal area to secure device in position and creates a seal for suction.

PRE-DATA

Oct 2019 through Feb 2020

- # of patients that were incontinent: **25**
- # of patients that were incontinent that developed IAD: **19**
- % of incontinent patients developed IAD: **76%**

Average Per Month (derived from data above)

- # of patients that were incontinent: **5**
- # of patients that were incontinent that developed IAD: **3.8**
- % of incontinent patients developed IAD: **76%**

INTERVENTIONS

- Identify female patients in ICU who are incontinent
- Determine if patients are ambulatory - if not, select for the external urinary incontinence device
- Apply the external urinary incontinence device and monitor patient twice per shift to make sure IAD doesn't develop

LITERATURE SUPPORT

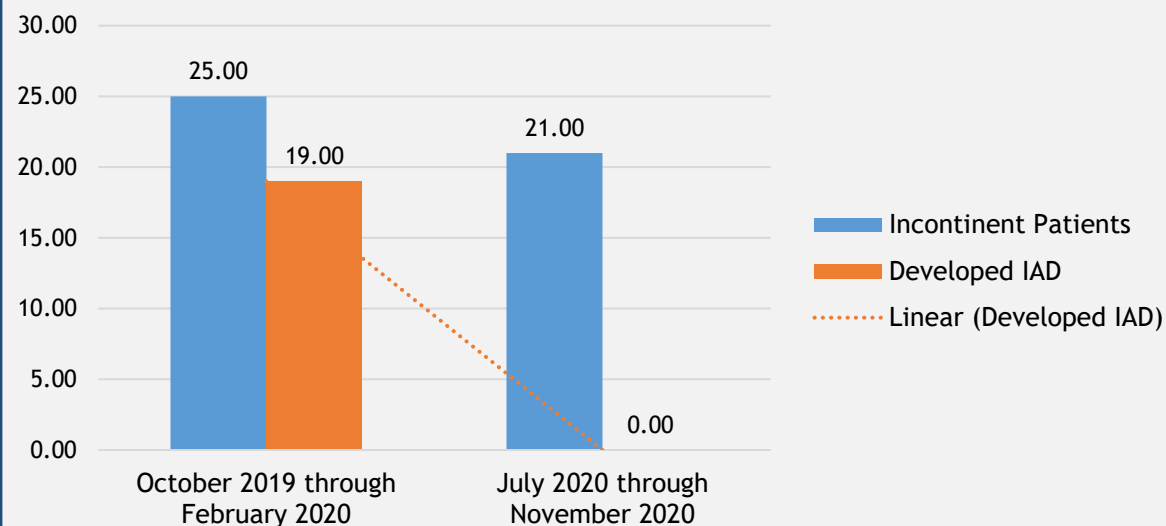
- Gray, M. (2010). Optimal Management of Incontinence-Associated Dermatitis in the Elderly. Am J Clin Dermatol 11, 201-210
- Beeson, T., Davis, T. (2018) Carmen Urinary Management with an External Female Collection Device, Journal of Wound, Ostomy and Continence Nursing. 45 (2), p. 187-189

The Use of an External Urinary Incontinence Device to Prevent Incontinence Associated Dermatitis (IAD)

MEASUREMENT POINTS

Date	Score	Date	Score
July 2020	<ul style="list-style-type: none"> # of patients that were incontinent: 5 # of patients that were incontinent that developed IAD: 0 % of incontinent patients developed IAD: 0% 	Aug 2020	<ul style="list-style-type: none"> # of patients that were incontinent: 6 # of patients that were incontinent that developed IAD: 0 % of incontinent patients developed IAD: 0%
Sep 2020	<ul style="list-style-type: none"> # of patients that were incontinent: 4 # of patients that were incontinent that developed IAD: 0 % of incontinent patients developed IAD: 0% 	Oct 2020	<ul style="list-style-type: none"> # of patients that were incontinent: 3 # of patients that were incontinent that developed IAD: 0 % of incontinent patients developed IAD: 0%
Nov 2020	<ul style="list-style-type: none"> # of patients that were incontinent: 3 # of patients that were incontinent that developed IAD: 0 % of incontinent patients developed IAD: 0% 		

Comparison of Incontinent Patients that Developed IAD Before & After External Urinary Incontinence Device Implementation



Wound Care (Skin Champions)

CCC Team Members

Person 1
Person 2
Person 3
Person 4
Person 5
Person 6
Person 7
Person 8
Person 9



IMPLEMENTATION DATE

JULY 1st 2020

CONCLUSION & NEXT STEPS

- Based on the data, female patients that are incontinent and immobile greatly benefit from the use of this external incontinence management system to prevent incontinence associated dermatitis
- The next step is to implement this device in the medical surgical units for applicable patients