What is changing:

- A test of change (TOC) using probiotics to decrease the rate of c diff infections (CDI)
- New Kefir and Florastor™ orders are available in EPIC
  - Kefir order is set to auto-verify and is supplied by dietary services

Rationale:

- Two meta-analyses suggest that this approach may have surprisingly robust benefits. Pooled results from 14 trials showed a 71% reduction in C. difficile infections associated with probiotic use in a 2012 study. A more comprehensive analysis of 20 studies found a 66% reduction in infections among patients taking probiotics together with antibiotics (Lomangino,K. *Preventing C. Diff Infections: Are Probiotics the Answer?* Clinical Nutrition Insights,. 39(7): 8-9, July 2014)
- Specific probiotics may modulate the intestinal mucosa by antagonizing pathogens through the production of antimicrobial compounds and chemicals, thereby reducing the rate of nosocomial infection and recurrence of *C. difficile* (Rohde,C.I., Bartolini, V. etal. The Use of Probiotics in the Prevention and Treatment of Antibiotic Associated Diarrhea with Special Interest in Clostridium difficile associated Diarrhea. Nutrition in Clinical Practice. 2009:24(1); 33-40.

Planned "Go-Live" date:

- In IMCU and ICU only – 10/1/2017

Additional Helpful Details:

- New Kefir order in EPIC which will populate on the MAR

probiotic (KEFIR) suppliment 150 mL

Accept | Car

Indications:

☑ Clostridium Difficile Infection

Indications (Free Text):

Order Inst.: Supplied By Dietary Services.

Dose: 150 mL 150 mL

Administer Dose: 150 mL
Administer Amount: 150 mL

Route: Oral Oral Nasogastric

Frequency: THREE TIMES DAILY three times daily

For: Doses Hours Days

Starting: 8/16/2017 Today Tomorrow

First Dose: Include Now As Scheduled At Nurse Discretion

First Dose: **Today 1400** **Until Discontinued**

Scheduled Times: Hide Schedule Adjust Schedule

8/16/17 1400, 2000
8/17/17 0800, 1400, 2000
8/18/17 0800, 1400, 2000

Note Scheduled Times, standard TID medication times

Order has no end date or number of doses, so more times will be scheduled at a later date.

Admin. Inst.: Click to add text

Prod. Admin. Inst.: Supplied By Dietary Services. If administered via feeding tube: Instill 15 mL of free water to flush the tube feeding line before and after KEFIR...

MAR Entry:

probiotic (KEFIR) suppliment 150 mL : Dose 150 mL : Oral : THREE TIMES DAILY :

1400 Due

Product Instructions:
Supplied By Dietary Services. If administered via feeding tube: Instill 15 mL of free water to flush the tube feeding line before and after KEFIR administration.

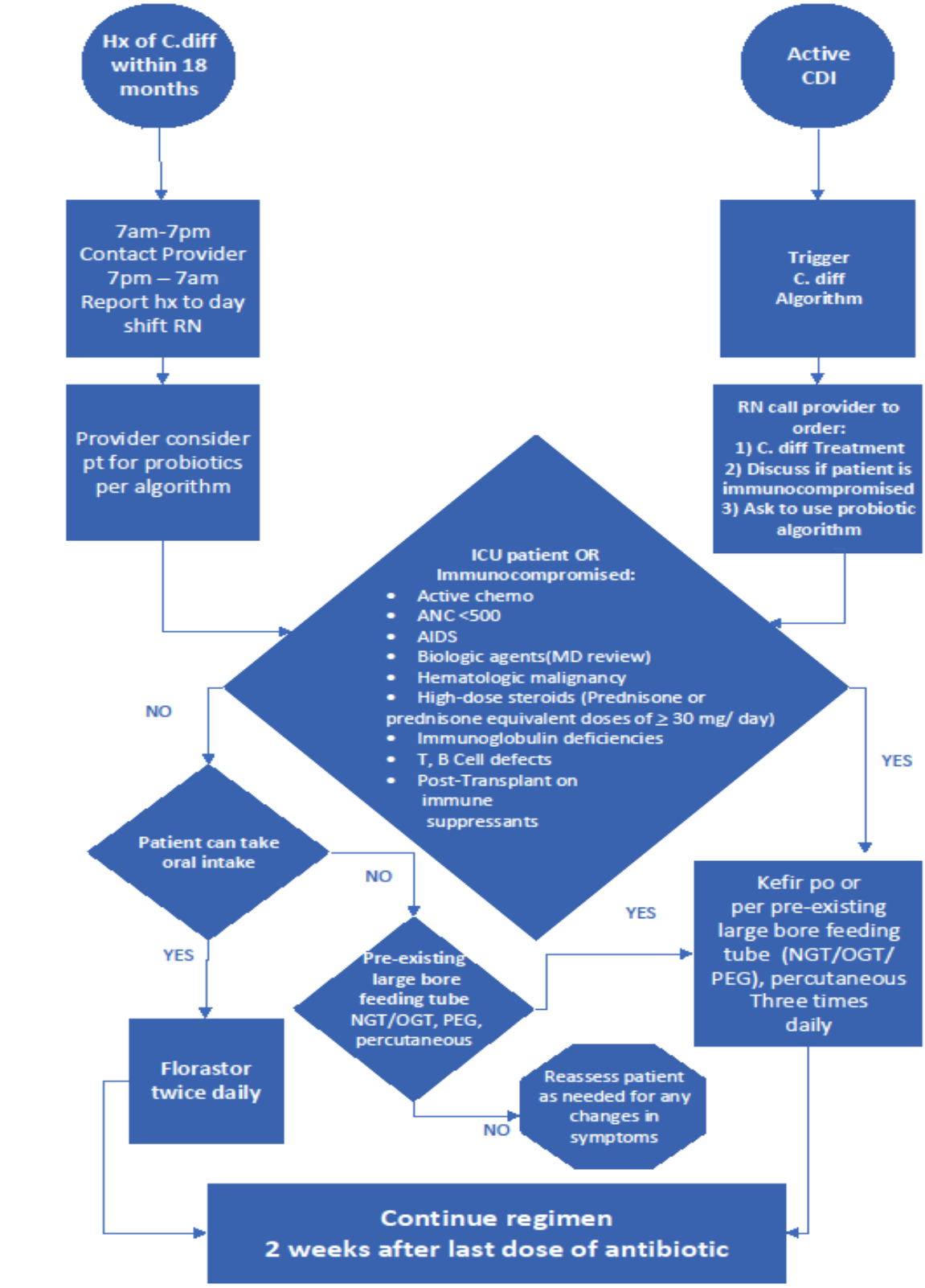
Ordered Admin Amount: 150 mL

Pharmaceutical Class: Antidiarrheals

Next Actions

08/16	08/16	08/17
1400	2000	0800

Frequency: THREE TIMES DAILY
Route: Oral
Order Dose: 150 mL

Adjust Times

Nursing and Physician Workflow to Initiate Probiotic Algorithm for In-Patient Adults Over 18 Years of Age Including Obstetric Patients with C. diff Infection (CDI)