

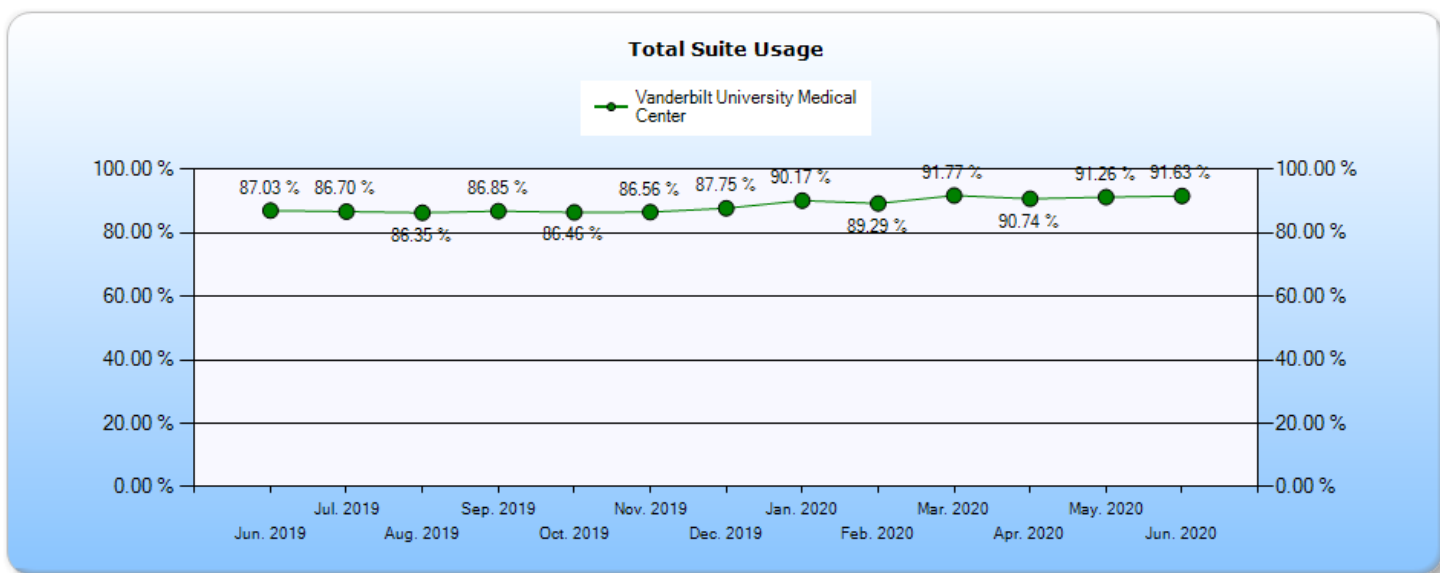
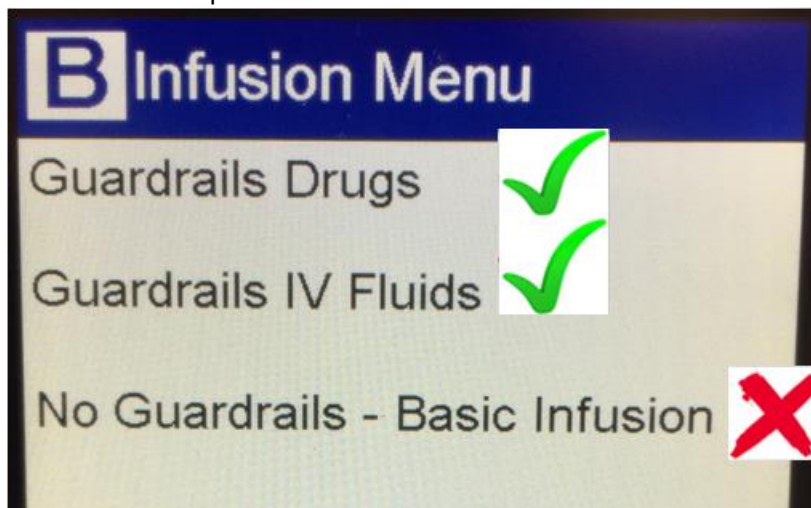
## Medication safety “MUSIC notes”

### Medication Safety Metrics

#### Guardrails compliance (Alaris smart pump)

- **Definition** - % of IV infusions run on a Guardrails file versus total IV infusions administered
- **Impact** – Use of Guardrails files improves patient safety with IV infusions through safety software with soft and hard limits on dose, infusion rate/time and concentration. Many programming errors, some with potential for patient harm, are caught each month as near misses through use of Guardrails files. Basic infusion programming is void of any safety features or transparency of what is infusing.
- **Benchmark > 95%** (new benchmark goal as defined by ISMP hospital best practices 2020-21)

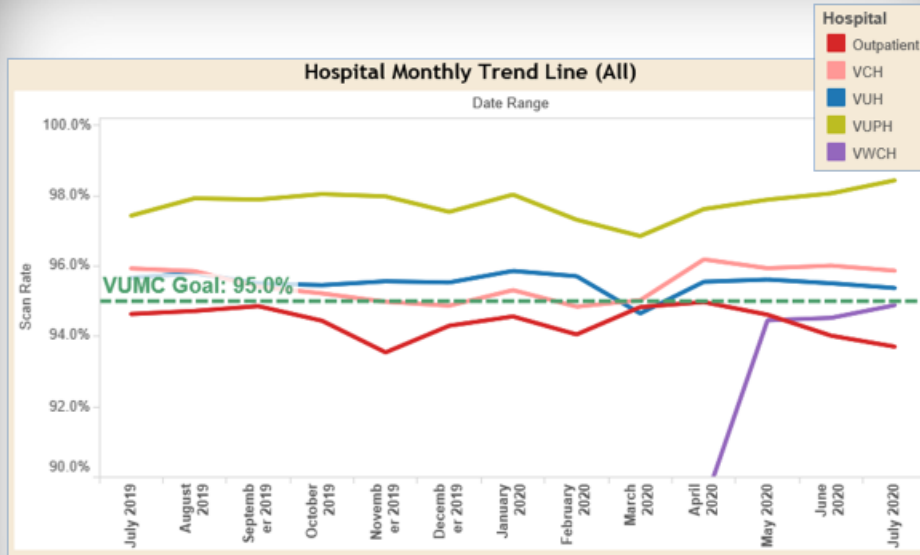
Alaris opt in screen to Guardrails or basic infusion



#### Barcode Medication Administration (BCMA) compliance

- **Definition** - % of administrations where both patient AND medication are scanned in VUMC areas live on BCMA
- **Impact** – BCMA improves patient safety by preventing medication errors in administration by being a systematic double check to the medication order of the 5 rights (patient, medication, dose, route and time).
- **Benchmark > 95%**
- **VWCH line added, strong initial BCMA compliance trending in EPIC**

# Barcode Medication Administration

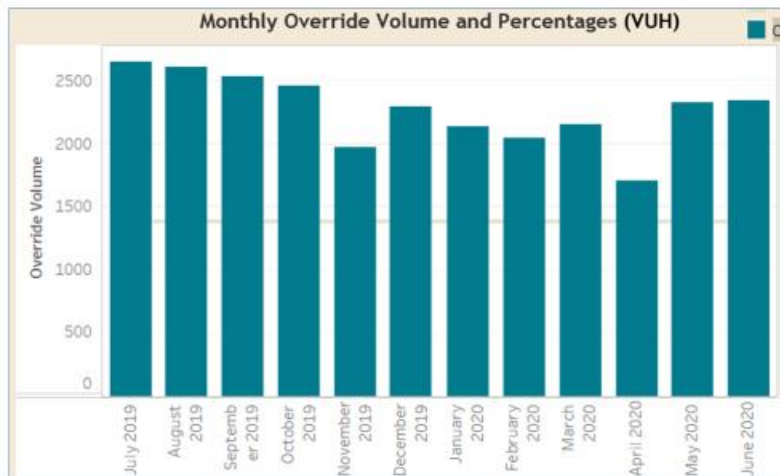


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## Automated dispensing cabinet (ADS) overrides

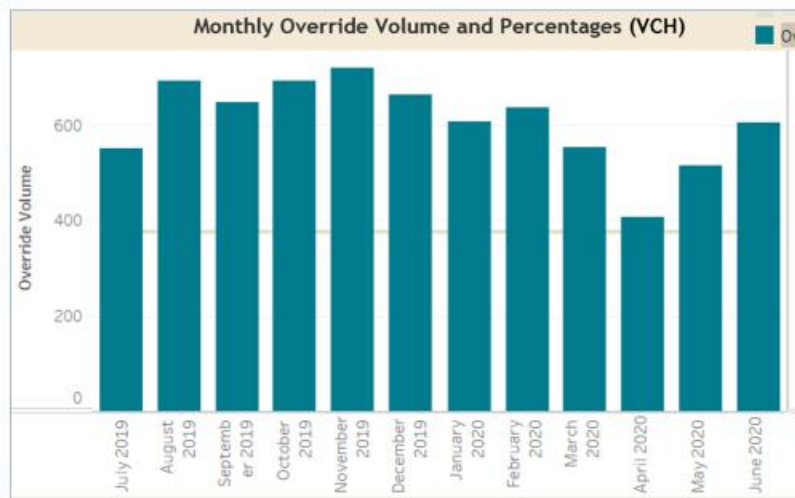
- **Definition** - volume of override accesses of medications in ADC on profile mode
- **Impact** – Override ADC accesses (vending med prior to med order entry and pharmacist review) should be limited to urgent/emergent patient scenarios or direct oversight from a LIP (licensed independent practitioner). Best practice and the safest workflow for the patient is to have medication order entry and pharmacist review precede ADC access for oversight from the provider and pharmacist.
- **Benchmark** – undefined, keep as low as possible

## VUH ADS override volume



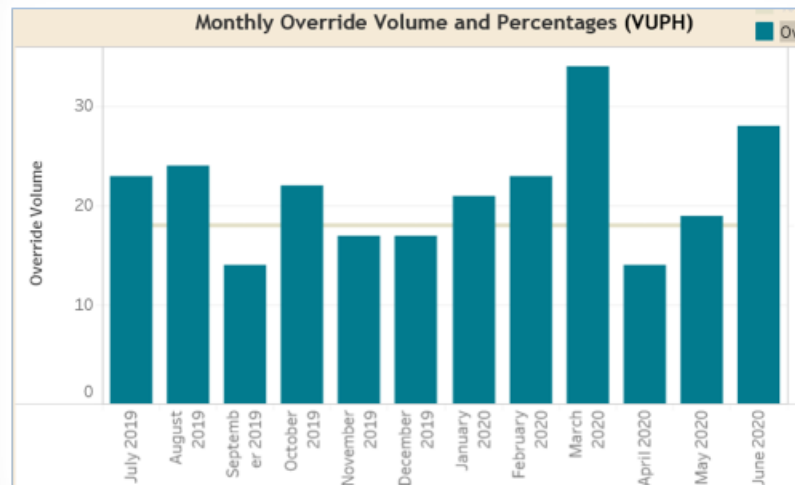
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## VCH ADS override volume



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## VPH ADS override volume



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### Resources

Current Alaris library version name **VUMC 9-33 v 06-2020** (pushed 06/01/20).

Current Alaris library profile pdfs: <https://ww2.mc.vanderbilt.edu/rxintranet/18640>

Alaris Guardrails file request form: <https://redcap.vanderbilt.edu/surveys/?s=WDHMAMYPRC>

BCMA compliance tableau (access limited to nursing and other leaders):

[https://tableau-prod.mc.vanderbilt.edu/#/site/QualitySafetyRiskPrevention/views/BCMA-eStar\\_0/BCMA-NurseManagerDashboard](https://tableau-prod.mc.vanderbilt.edu/#/site/QualitySafetyRiskPrevention/views/BCMA-eStar_0/BCMA-NurseManagerDashboard)

## **Definitions**

**MUSIC** at Vanderbilt is the acronym for the **M**edication **U**se **S**afety **I**mprovement **C**ommittee. MUSIC is a multidisciplinary team of pharmacists, nurses, prescribers and other ancillary colleagues. The purpose of MUSIC is to promote the improvement of quality of patient care through safe and effective medication use. This is accomplished by through many avenues, including process improvement initiatives, surveillance of quality metrics and adverse drug events, medication use evaluations, and support and education of evidence-based medication practices. There are 3 MUSIC groups with varying scope: Children's MUSIC, Adult MUSIC and Enterprise MUSIC.