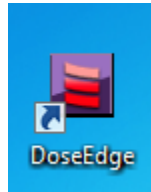# DoseEdge

October, 2012

What is it? Limitations?

- A system to improve patient safety in preparing IV solutions, reducing waste, and improved nurse tracking (minimizing telephone calls to get IV's)

- Right now, this system is unavailable to float nurses, or nurses not permanently assigned to a unit due to HIPAA concerns

- Will not be available on units that are not a location in Cerner, ex OR, PACU, Dialysis, Cath lab

Why?

- This is a means to provide communication and transparency to nursing as to the process of IV medications being prepared.

- This is also a means to reduce the number of telephone calls from nursing.

- The times on the screen are the administration times identified in Cerner, so if it requires changing, send a MedRequest.

Accessing DoseEdge

From your computer desktop, double click the icon displayed below

Enter e-mail User Name and Password

Select "View Status Board"

DOSE**≡**DGE

Aultman Health Foundation

Use

Manage

Track

Situation Board

View status board

Report

The Status Board

Various stages of IV preparation

Assigned Unit

DOSE≡DGE   **Aultman Health Foundation**   Freeze Updates   MA5 Status Board ▼   **Baxa**

MA5 Status Board   Dose Legend:DC, Stat, First Dose, Dilution, Stock, Batch (Minutes indicate time the dose is in this state)

MedRequest 1 hr before needed (Total: 1)	Doses Waiting to be Prepared (Total: 3)	Doses in Process (Total: 0)
SW█████████ **640 Minutes** hydromorphone 10mg (MA5 - 5556-A), PatientID:████████	**DI**█████████████ **42 Minutes** acetaminophen 1,000mg (MA5 - 5524-A), PatientID████████, Admin:00:00	
	HUM██████████████ **42 Minutes** acetaminophen 1,000mg (MA5 - 5504-A), PatientID:████████, Admin:00:00	
	ROS████████ **42 Minutes** acetaminophen 1,000mg (MA5 - 5566-A), PatientID:████████, Admin:00:00	

Doses Waiting for Final Label (Total: 3)	Doses Ready for Delivery (Total: 19)	Doses Delivered to MA5 (Total: 10)
BE████████ **15 Minutes** ceFAZolin 1g (MA5 - 5570-A), PatientID:████████ Admin:23:00	**ADK**████████ **4 Minutes** ampicillin-sulbactam 3g,0.9% sodium chloride 100ml in 100mL (MA5 - 5530-A), PatientID:████████ Admin:00:00	**BUR**██████████████ **324 Minutes** ceFAZolin 1g (MA5 - 5562-A), PatientID████████ Admin:10:00
KEL████████ **18 Minutes** ceFAZolin 2g (MA5 - 5510-A), PatientID:████████, Admin:00:30	**ADK**████████ **118 Minutes** vancomycin 1g (MA5 - 5530-A), PatientID:████████ Admin:21:00	**HIL**████████ **123 Minutes** calcium gluconate 1,000mg,Sodium Chloride 0.9% Soln 50mL (MA5 - 5512-A), PatientID:████████ Admin:13:15
THA████████ **17 Minutes** ceFAZolin 1g (MA5 - 5552-A), PatientID:████████ Admin:00:00	**ADK**████████ **119 Minutes** ampicillin-sulbactam 3g,0.9% sodium chloride 100ml in 100mL (MA5 - 5530-A), PatientID:████████ Admin:18:00	**HIL**████████ **261 Minutes** dextrose 5% in 0.45% nacl 1,000mL,potassium chloride 20mEq (MA5 - 5512-A), PatientID:████████ Admin:11:16
	BEN████████ **112 Minutes** clindamycin 600mg,Dextrose 5% in Water Addva 50mL (MA5 - 5502-A), PatientID:████████ Admin:18:00	**JOH**████████ **240 Minutes** vancomycin 1.25g,Sodium Chloride 0.9% 250mL (MA5 - 5518-A), PatientID████████ Admin:12:00
	BER████████ **92 Minutes** Lactated Ringers 1,000mL,potassium chloride 20mEq (MA5 - 5528-A),	**KEL**████████ **144 Minutes** ceFAZolin 2g (MA5 - 5510-A), PatientID████████ Admin:16:30

What do the boxes mean?
Box 1

DOSE EDGE   **Aultman Health Foundation**   Freeze Updates   MA5 Status Board   **Baxa**

MA5 Status Board   Dose Legend:DC, **Stat**, First Dose, Dilution, Stock, Batch   (Minutes indicate time the dose is in this state)

MedRequest 1 hr before needed (Total: 1)	Doses Waiting to be Prepared (Total: 3)	Doses in Process (Total: 0)

MedRequest 1 hr before needed (Total: 1)

SW█████████   **640 Minutes**
hydromorphone 10mg (MA5 - 5556-A), PatientID:████████████

Doses Waiting to be Prepared (Total: 3)

DI█████
acetaminophe...
Admin:00:00

HUM█████
acetaminophe...
Admin:00:00

ROS█████
acetaminophe...
Admin:00:00

The upper left box indicates items that will need to be Med Requested in CERNER! These items typically are titratables, narcotics, or items with short stability. We ask that you order at least 1 hour prior to you needing it. Note, you can see the patient name, the IV product, the room number, patient ID, and the expected administration time.

Doses Waiting for Final Label (Total: 3)

BE█████   **15 Minutes**
ceFAZolin 1g (MA5 - 5570-A), PatientID:██████   Admin:23:00

KEL█████   **18 Minutes**
ceFAZolin 2g (MA5 - 5510-A), PatientID:██████   Admin:00:30

THA█████   **17 Minutes**
ceFAZolin 1g (MA5 - 5552-A), PatientID:██████   Admin:00:00

Doses Ready for Delivery (Total: 19)

ADK█████████   **4 Minutes**
ampicillin-sulbactam 3g,0.9% sodium chloride 100ml in 100mL (MA5 - 5530-A), PatientID:██████   Admin:00:00

ADK█████████   **118 Minutes**
vancomycin 1g (MA5 - 5530-A), PatientID:██████   Admin:21:00

ADK█████████   **119 Minutes**
ampicillin-sulbactam 3g,0.9% sodium chloride 100ml in 100mL (MA5 - 5530-A), PatientID:██████   Admin:18:00

BEN█████████   **112 Minutes**
clindamycin 600mg,Dextrose 5% in Water Addva 50mL (MA5 - 5502-A), PatientID:██████   Admin:18:00

BER█████████   **92 Minutes**
Lactated Ringers 1,000mL,potassium chloride 20mEq (MA5 - 5528-A),

Doses Delivered to MA5 (Total: 10)

BUR█████████   **324 Minutes**
ceFAZolin 1g (MA5 - 5562-A), PatientID██████   Admin:10:00

HIL█████████   **123 Minutes**
calcium gluconate 1,000mg,Sodium Chloride 0.9% Soln 50mL (MA5 - 5512-A), PatientID:██████   Admin:13:15

HIL█████████   **261 Minutes**
dextrose 5% in 0.45% nacl 1,000mL,potassium chloride 20mEq (MA5 - 5512-A), PatientID:██████   Admin:11:16

JOH█████████   **240 Minutes**
vancomycin 1.25g,Sodium Chloride 0.9% 250mL (MA5 - 5518-A), PatientID██████   Admin:12:00

KEL█████████   **144 Minutes**
ceFAZolin 2g (MA5 - 5510-A), PatientID:██████   Admin:16:30

What do the boxes mean?
Box 2

The upper middle box indicates items currently in the queue to be prepared. The time indicates how long those orders have been in that status as well.

What do the boxes mean?
Box 3

The upper right box indicates items currently being prepared. The time indicates how long those orders have been in that status as well.

What's going on?

The technician preparing the IV is required to scan each component and take a picture of the intermediate steps.

Required Ingredients:				Prepare 1 of 1	
Ingredient	Scanned	Needed		Scan	Scan - any ingredient label.
clindamycin	0 mg	600 mg			
Dextrose 5% in Water Addva	0 mL	50 mL			

clindamycin		600 mg	600 mg
clindamycin 150 mg/mL 4mL (Hospira Inc) #2			4 mL
Dextrose 5% in Water Addva		50 mL	50 mL
Dextrose 5% in Water 50mL (Hospira Inc)			50 mL

Apply — Apply label to Dose.
Dose ✓

Draw — Acquire dose volume fro
✓

Picture — Capture image of produc vial(s))
Display all images

Action — Inject Drawn-Up Syringe

Picture — Capture image of comple
Display all images

Scan — Scan barcode label on c

What do the boxes mean?
Box 4

DOSE EDGE — **Aultman Health Foundation** — Freeze Updates — MA5 Status Board — **Baxa**

MA5 Status Board — Dose Legend:DC, Stat, First Dose, Dilution, Stock, Batch (Minutes indicate time the dose is in this state)
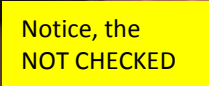
MedRequest 1 hr before needed (Total: 1)

SW███████ — **640 Minutes**
hydromorphone 10mg (MA5 - 5556-A), PatientID:███████

Doses Waiting to be Prepared (Total: 3)

DI███████ — **42 Minutes**
acetaminophen 1,000mg (MA5 - 5524-A), PatientID:███████,
Admin:00:00

HUM███████ — **42 Minutes**
acetaminophen 1,000mg (MA5 - 5504-A), PatientID:███████,
Admin:00:00

ROS███████ — **42 Minutes**
acetaminophen 1,000mg (MA5 - 5566-A), PatientID:███████,
Admin:00:00

Doses in Process (Total: 0)

Doses Waiting for Final Label (Total: 3)

BE███████ — **15 Minutes**
ceFAZolin 1g (MA5 - 5570-A), PatientID:███████, Admin:23:00

KEL███████ — **18 Minutes**
ceFAZolin 2g (MA5 - 5510-A), PatientID:███████, Admin:00:30

THA███████ — **17 Minutes**
ceFAZolin 1g (MA5 - 5552-A), PatientID:███████, Admin:00:00

Doses Ready for Delivery (Total: 19)

ADK███████ —
ampicillin███, Patie███
A), Patie███

ADK███████
vancomycin███

ADK███████
ampicillin███
A), Patie███

BEN███████ — **112 Minutes**
clindamycin 600mg,Dextrose 5% in Water Addva 50mL (MA5 - 5502-A),
PatientID:███████ Admin:18:00

BER███████ — **92 Minutes**
Lactated Ringers 1,000mL,potassium chloride 20mEq (MA5 - 5528-A),

Doses Delivered to MA5 (Total: 10)

███████ — **324 Minutes**
Admin:10:00

███████ — **123 Minutes**
oride 0.9% Soln 50mL (MA5 - 5512-
:15

███████ — **261 Minutes**
tassium chloride 20mEq (MA5 - 5512-
:16

JOH███████ — **240 Minutes**
vancomycin 1.25g,Sodium Chloride 0.9% 250mL (MA5 - 5518-A),
PatientID:███████ Admin:12:00

KEL███████ — **144 Minutes**
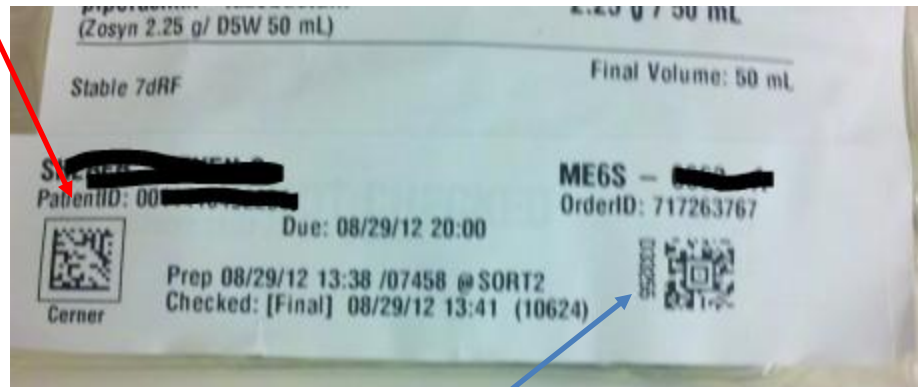ceFAZolin 2g (MA5 - 5510-A), PatientID:███████ Admin:16:30

> The lower left box indicates that the IV has been verified by a pharmacist but is waiting for the final barcoded label. Two barcodes are applied, one for Cerner scanning (left) and one for pharmacy scanning (delivery status). The time indicates how long those orders have been in that status as well.

Picture taking

Final picture – if you receive a product with NOT CHECKED, return to Pharmacy

2 barcodes on final label

- Cerner scan

- Pharmacy scan

What do the boxes mean?
Box 5

The lower middle box indicates that the IV is ready and waiting to be delivered or tubed. The time indicates how long those orders have been in that status as well.

What do the boxes mean?
Box 6

The lower right box indicates that the IV is delivered or tubed. The time indicates how long those orders have been in that status as well. By double clicking on the patient IV box, and clicking on the ScanEvents tab, you can see exactly where to find your IV.

ScanEvents

- Tubed (with time tubed)

- Or Delivered (with time delivered)

Questions

- Refer any questions to:
  - Jim Toohey, M.S., R.Ph.
    - jtoohey@aultman.com
    - 3-2877