# 7/29 Follow-Up

## **Updates**

☑ Addressed hrs/min bug with PostLevels Vd calculation.

☑ Added Patient-Specific AUC to progress note in PostLevels.

 $\ensuremath{\square}$  Tried to incorporate "Monitoring Form" digitally into calculator.

## **Next Steps**

□ PostLevels: Levels/Labs helper after inputting levels
□ PatientList: Day of therapy / Timeout to Patient List - Need to add logic for Timeout (48-72 hrs?)
□ User Guide: Edit guide to update information
☐ NewConsult:Add "Transfer to DMC Calculator" for New Consult userform

#### **Details and Screenshots of updates**

### 1.) Bug Fix with Vd calculation when *minutes* are selected

1. Calculator does not calculate accurate **Vd** if infusion time changed to *minutes*.

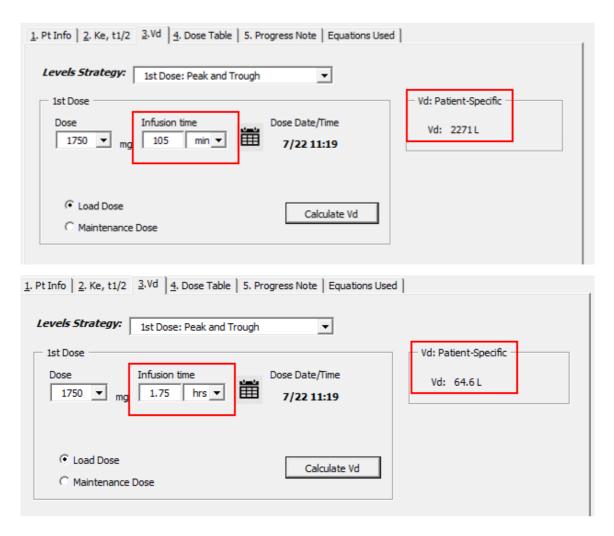
If unable to convert minutes to hours in the equation, maybe we should remove minutes as an options?

Especially since Cerner default vancomycin infusion times (at least at Henderson) is minutes for 1.25gm and 1.75gm doses.

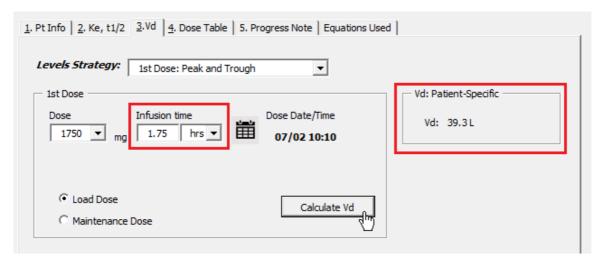
Having the options may cause confusion and lead to inappropriate dose adjustments.

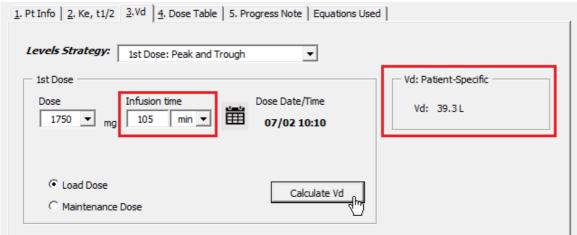
☑ Addressed hrs/min bug with PostLevels Vd calculation.

**Before**: was treating minutes like hours for Vd calculation.



After:





#### **VBA Code**:

```
'Declare Tinf (or infusion time) into memory'
Dim Tinf As Double:

If PostLevels.cmbInfusionTimeUnits = "hrs" Then
    Tinf = CDbl(PostLevels.tbTinf)
'Convert infusion time to hours if dropdown is in "min"
ElseIf PostLevels.cmbInfusionTimeUnits = "min" Then
    Tinf = CDbl(PostLevels.tbTinf) / 60
End If
```

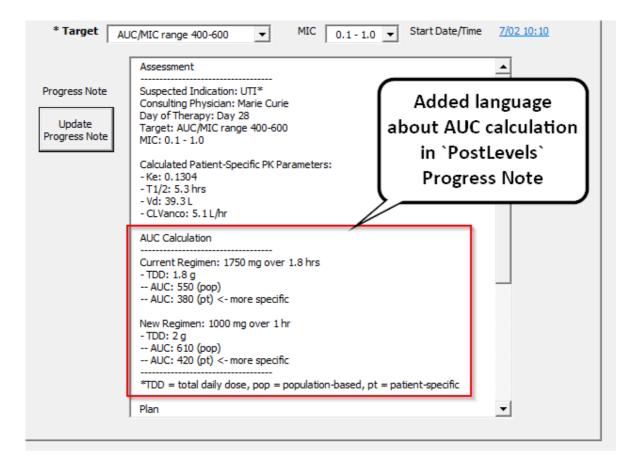
### 2.) Added Patient-Specific AUC to progress note in PostLevels

☑ Added Patient-Specific AUC to progress note in PostLevels.

1. When entering post-dose levels... Is it possible to add the calculated pt specific AUC for the current dose in the progress note?

This way it shows why the dose is being either increased or decreased.

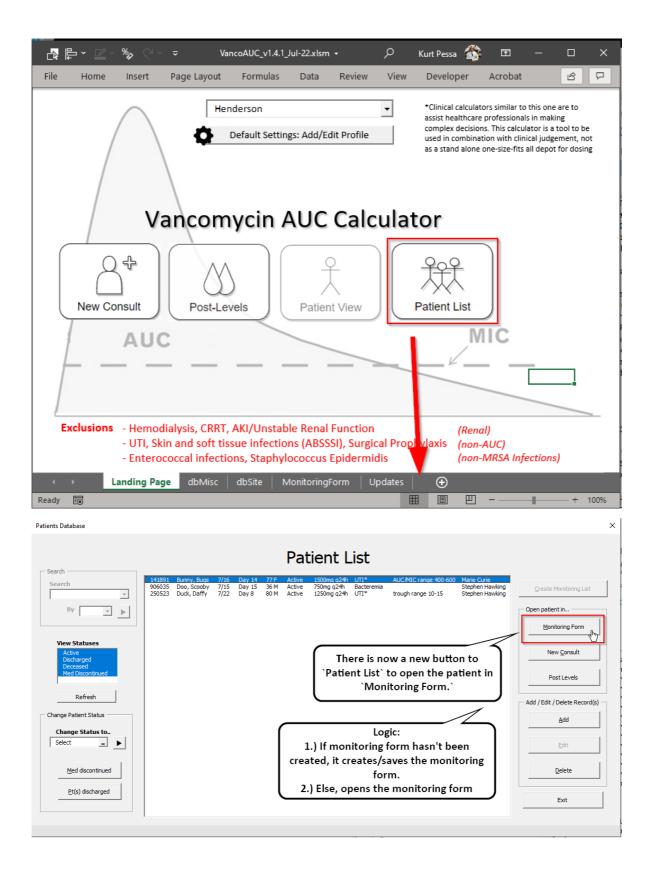
Currently, it only provides the estimated new AUC based on the new vancomycin dose.

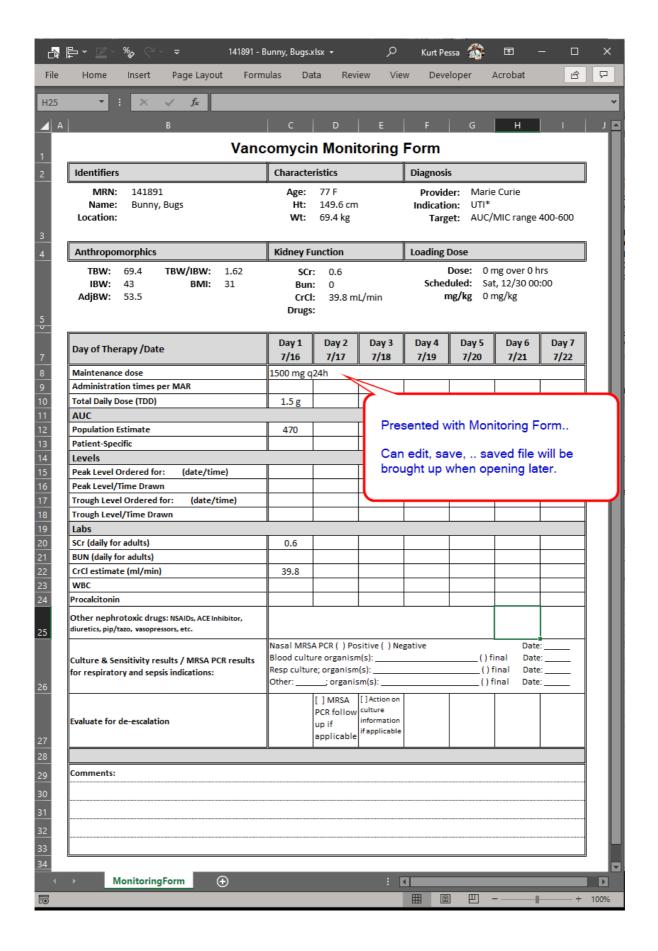


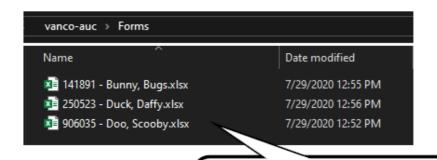
# 3.) Tried to incorporate Monitoring Form into calculator with more accessibility

☑ Tried to incorporate "Monitoring Form" digitally into calculator.

1. When looking at the Patient List







"Forms" Folder is created if not already exists

Monitoring Forms are individually saved as excel files.