Changes for Pharmacy Drug Management

The NCIS Implementation Board have agreed to the following changes in NCIS.MED following user feedback:
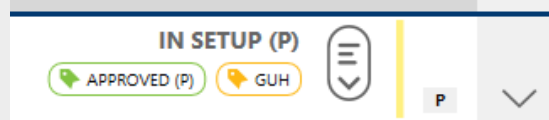
- Flag abbreviations used in Preparation and Dispense Set up
- Permission for pharmacists to only change in the 'calculated dose' of a medication during pharmacist verification
- Permission for Nurse level 1 and level 2 to 'Grant/Withdraw set-up and preparation approval'

Flag abbreviations

The changes to the flag abbreviations used in Preparation and Dispense Set up allows easier differentiation of Products which are in the process of setup for preparation or dispensing versus those that have completed setup
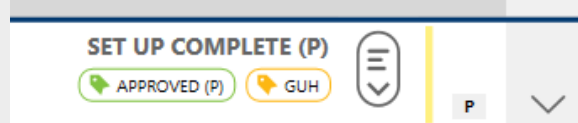
1) Preparation in Set Up

- The abbreviation "Preparation in Set Up" flag has been changed from "Setup (P)" to "In Setup (P)".

- The status will still appear as "Preparation in Set Up"

| 20/11/2020 10:12:16 | Status or flag set | Status 'Preparation in setup' | GrCar /NCIS_Global_Administrator | LAPESP2100 |

- The name "Preparation Set up" has been changed to "Preparation set up complete" and abbreviation flag has been changed from "Set up (P)" to "Setup Complete (P)"

- The status will now appear as "Preparation Set up complete"

| 20/11/2020 10:12:25 | Status or flag set | Status 'Preparation set up complete' | GrCar /NCIS_Global_Administrator | LAPESP2100 |

2) Dispense in Set Up

- The abbreviation "Dispense in Set up" flag has been changed from "Setup (D)" to "In Setup (D)"

- The status will still appear as "Dispense in Set Up"

| 20/11/2020 11:03:01 | Status or flag set | Status 'Dispense in setup' | GrCar /NCIS_Global_Admin |

- The name "Dispense set up" has been changed to "Dispense set up complete" and abbreviation flag has been changed from "Setup (D)" to "Setup Complete (D)"

- The status will now appear as "Dispense Set up complete"

| 20/11/2020 11:04:24 | Status or flag set | Status 'Dispense set up complete' | GrCar /NCIS_Global_Admini |

Pharmacist Dose Management

The Implementation Board have agreed to change permissions for pharmacists to prevent them altering the usual dose or reference of a drug during pharmacist verification. Pharmacist users will still be able to change the calculated dose of a drug to facilitate rounding to a measurable volume or dose banding.

Usual dose or Reference of a drug

- Changing the usual dose box or reference changes the 100% dose of a physician verified drug. For example if the dose of riTUXimab is changed from 375mg/m^2 to an absolute dose of 510mg the dose in the therapy plan will not appear with a percentage deviation even though the pharmacist has changed it.

- In contrast if the calculated dose of a drug is changed during pharmacist verification any changes are reflected as a percentage of the usual dose. In the example riTUXimab is prescribed as 375mg/m^2 = 513.70mg. If the pharmacist changes the calculated dose to 510mg this is reflected as a percentage of 513.70mg in the therapy plan.

Change to pharmacist permissions

- The removal of the permissions which allow the pharmacist to alter the Usual dose or Reference of a physician verified medication will show the verification window as below with the Usual dose and Reference field greyed out

IMPORTANT TO NOTE

The Pharmacist
- Can still clearly see the usual dose and reference used to calculate the dose
- Can change the calculated dose to facilitate rounding and dose banding
- Are unable to change the 100% dose therefore any change made by a pharmacist will be reflected as a percentage change from the usual dose

Nurse approval for preparations

The Implementation Board have agreed to change permissions for nurse users to allow them to apply the "Preparation Approved" flag. This may be of use when high cost or short expiry medications.

Workflow that may be utilised

- Medication planned and physician verified as normal
- Pharmacist Verifies but only set-up approves for high cost or short expiry items
  - This allows the medication to be set-up (add lots and expiries) but it cannot be prepared until the preparation approved flag is set
  - To note – pharmacy verification will still set preparation approved by default so users only need to utilise this workflow if they choose

- When patient is ready for treatment on the ward/day ward the nurse sets preparation approved which allows pharmacy to proceed with preparation.

- This is visualised in the pharmacy setup window as a tick.

Change to nurses permissions

- Nurses will have the additional option to apply the preparation approval flag which can be incorporated into the local workflow for improved drug management

Advantages

Important to note

- **Users should never remove the "set up approved" flag as this prevents the product being in the correct preparation site**
- Communication on NCIS between clinical areas and pharmacy reduces need for phone calls.
- As the preparation approved flag is required for preparation and is visualised in the pharmacy module there is direct communication at the point required in the workflow

Further Information

Any comments or further information, please contact ncis@cancercontrol.ie