

## Suspension of single Laboratory interfaces with NCIS



### Further Information

Any comments or further information, please contact [ncis@cancercontrol.ie](mailto:ncis@cancercontrol.ie)

- Following review of the value of single hospital Laboratory Information System (LIS) interfaces providing medical results to NCIS by the Implementation Group it has been decided to suspend the use of LIS interfaces with NCIS
- This decision will be reviewed in the future depending on
  - Improvements to the handling of medical results in NCIS MED (BD CATO)
  - Standard LIS interface from MedLIS

### Background

Medical Results are used in NCIS Med (BD CATO) for dose calculations and for facilitating cycle postponement and dose modification based on decision support rules built into the national SACT regimens in NCIS.

Medical results can be entered manually or delivered by interface using HL7 messaging from local hospital laboratory information systems (LIS).

The NCIS Implementation Group previously made a decision to remove cycle postponement and dose modification rules based on the 8 medical results from the national regimen build in NCIS. This was due to the challenge in building rules which are timely and relevant to the common workflow in Ireland.

All hospitals to date with one exception have decided not to interface their LIS with NCIS due to challenges identified in how the results are handled in NCIS. The single hospital that did interface has subsequently turned it off since the decision to remove decision support.

The NCIS Implementation Group, therefore have decided going forward not to offer a LIS interface to hospitals as part of their NCIS implementation project.

**The medical results may still be entered manually where required for dose calculation**

### Rationale for Decision

Cycle postponement and dose modification rules have been removed from the national regimen build therefore limiting the functional use of the medical results within NCIS.

There are known issues in how Medical Result values are handled by NCIS Med (BD Cato). These include

- Timing of Cycle Postponement and Dose Modification Rules do not match clinical workflows
- Authorisation rather than specimen date is used by NCIS Med (BD CATO) therefore display Date and Time may not match LIS
- Non-Numerical values cannot be displayed in NCIS Med (BD Cato)
- Where a result cannot be displayed, it is possible a previous result could be used if there is a previous result within the permissible age.
- Only test level comments can be displayed not specimen level

The NCIS Office will continue to liaise with the NCIS vendor, BD, to progress changes required to mitigate against these known issues. With improvements, the intention is to reintroduce the decision support rules back into the NCIS regimens on a phased and targeted basis