





NCIS Guide Merge Functionality

Document/Version no: NCISTRAIN46/1 Date: 23/02/2023 Review Date: 23/02/2025

1. Background

In the administration of patient information, duplicate healthcare records can occur for various reasons. Where a duplicate record for a patient is identified, a merge process may be carried out to align the information for that patient to a single record. This process can be required for paper records (the patient chart), PAS records and where relevant, for the patient record held within NCIS.

For a patient with a duplicate record in NCIS, the user carrying out the merge will need to review the NCIS case(s) and identify the appropriate merge scenario. This Quick Guide outlines merge types and the steps required to perform an NCIS merge for each scenario.

2. Merge Scenarios

Merging records is always a systematic process. Records will need to be defined as either Major (the surviving record) or Minor (the non-surviving record). Records should only be merged on NCIS once any required merge steps in the Patient Administration System (PAS) have been completed. The steps required for each merge generally fall into one of the following scenarios:

Scenario 1: PAS Merge Only				
Patient Merge in PAS without existing NCIS Record	Records are merged within PAS and an update is			
	sent to the NCIS Master Patient Index (MPI).			

Patient Merge with Existing NCIS Record, Triggered in PAS

Scenario 2.1: The Minor Record is not known to NCIS but the Major record is registered in NCIS

Scenario 2.2:The Major Record is not known to NCIS but the Minor Patient is registered in NCIS

Scenario 2.3: Both the Major and Minor Records are associated with registered cases in NCIS

Where PAS records have been delivered to the MPI and NCIS cases have been registered using one or more of these records.

A Minor Record/Case is the record with the identifier and demographic details that will no longer appear following the merge.

A Major Record/Case is the record with the identifier and demographic details that will remain following the merge.

Scenario 3: NCIS Merge Only

Single PAS record, multiple NCIS cases - Patient Merge Process in NCIS

Some relevant considerations:

- Do the cases both have the same diagnosis recorded?
- Are the cases to be merged linked?
- Are the cases to be merged at the same hospital in NCIS.Chart?

Where multiple NCIS cases have been registered using a single PAS record.

Document/Version no: NCISTRAIN46/1 Date: 23/02/2023

Review Date: 23/02/2025

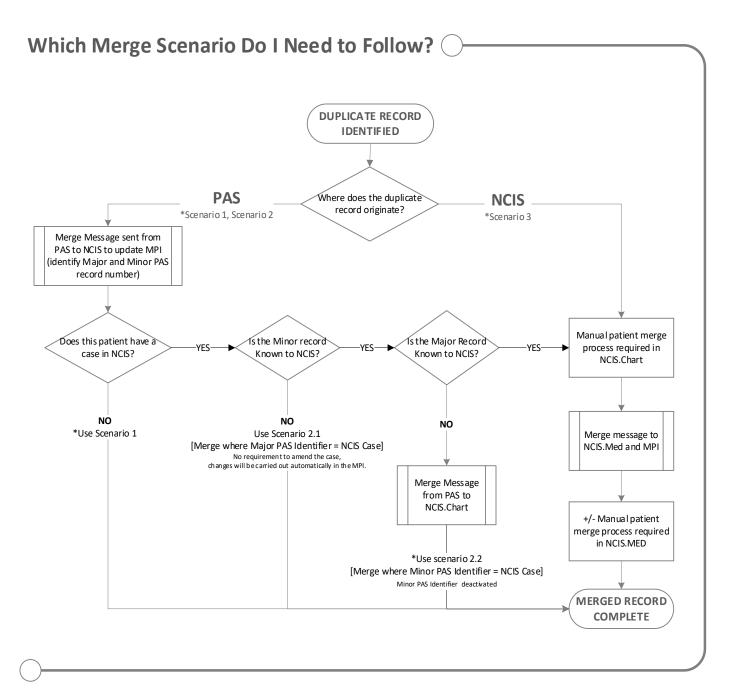


Figure 1: Merge types

Document/Version no: NCISTRAIN46/1 Date: 23/02/2023 Review Date: 23/02/2025

Scenario 1: PAS Merge (with or without NCIS Case)

Two or more records exist in PAS for the same individual person. Each PAS record will have a PAS Identifier. The relationship between each PAS record and the corresponding MPI record is relevant whether or not a case has been created in NCIS.

1. A search in NCIS will display what records are in the MPI based on their PAS Identifier (MRN/Local ID). Before a PAS merge takes place, you will see both records in the MPI search in NCIS.



Figure 2: MPI search return

- 2. Determine which record in PAS will become the Major (surviving) Record and which will be the Minor (non-surviving) Record.
- 3. Perform a PAS merge.
- 4. Following the merge of the Major and Minor PAS records, a Merge message will be delivered to the NCIS Master Patient Index (MPI) from PAS.
- 5. Once this has occurred, an MPI search will result in only the Major record being shown. The Minor record will no longer be seen in the MPI search result in NCIS.

Scenario 2: PAS Merge with NCIS Case(s)

Two or more records exist in PAS for the same individual person. At least one of the PAS records was used to register a case in NCIS.

A search in NCIS will display what records are in the MPI based on their PAS Identifier (MRN). Check which record to be merged is associated with an NCIS case. You will need to plan your NCIS merge depending on the relationship between the case in NCIS and the PAS identifier. The record that has an NCIS case will display both a PAS identifier and an NCIS ID.

Scenario 2.1: Merge where the Major PAS Identifier is associated with the NCIS Case Two or more PAS records, and a single NCIS record

- 1. The Major (surviving) Record is associated with the NCIS case.
- 2. Perform a PAS merge.
- 3. Following the merge of the Major and Minor PAS records, a Merge message will be delivered to the NCIS Master Patient Index (MPI) from PAS.
- 4. Once this has occurred, an MPI search will result in only the Major record being shown.
- 5. No further action is required in NCIS.

Scenario 2.2: Merge where the Minor PAS Identifier is associated with the NCIS Case Two or more PAS records, and a single NCIS record

- 1. The Minor (non-surviving) Record is associated with a case in NCIS.
- 2. Perform a PAS merge.
- 3. Following the merge of the Major and Minor PAS records, a Merge message will be delivered to the NCIS Master Patient Index (MPI) from PAS.
- 4. Once this has occurred, it will result in an update to NCIS.Chart, the MPI and NCIS.MED.
- 5. The Minor PAS identifier will be deactivated.
- 6. In some situations a HIS match is also required to be completed to ensure the major record PAS demographics are in NCIS.

Document/Version no: NCISTRAIN46/1 Date: 23/02/2023 Review Date: 23/02/2025

Scenario 2.3: Merge where both the Major and Minor PAS Identifiers are associated with NCIS Cases

Two or more PAS records, each with an associated NCIS record

- 1. Identify the Major PAS identifier and the Major NCIS Case and plan your required merge steps accordingly.
- 2. Perform a PAS merge.
- 3. Following the merge of the Major and Minor PAS records, a Merge message will be delivered to the NCIS Master Patient Index (MPI) from PAS.
- 4. Once this has occurred, an MPI search will result in an update to NCIS.Chart, the MPI and NCIS.MED.
- 5. The Minor PAS identifier will be deactivated.
- 6. Follow the process for an NCIS merge (see Scenario 3) to align the NCIS records to the Major (surviving) patient identifier.

Scenario 3: NCIS Merge

Two or more records exist in NCIS for the same individual person.

Scenario 3.1: Merge where both cases have the same diagnosis recorded

Before completing the merge steps, it is important to review NCIS records' in both NCIS Chart and NCIS Med and working through the anticipated merged record contents.

Following the merge of the Major and Minor PAS records, a merge message will be delivered to the NCIS Master Patient Index (MPI) from PAS.



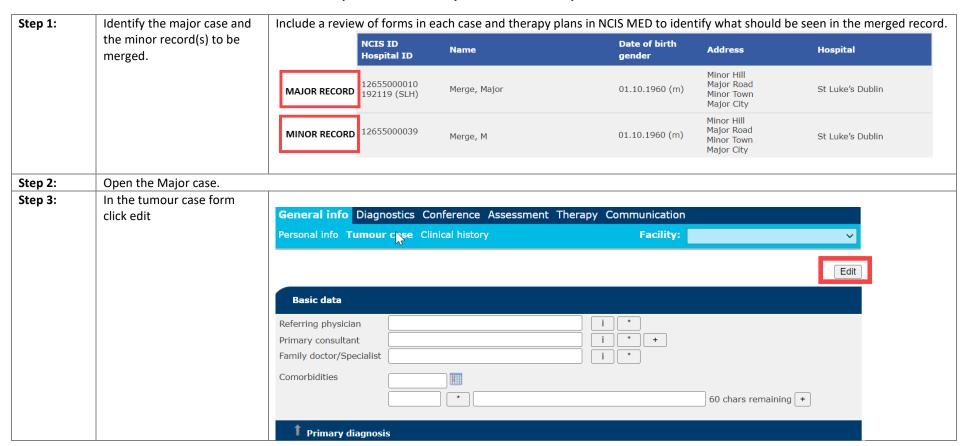
Figure 3: Worklist merge notification (in Worklist menu)

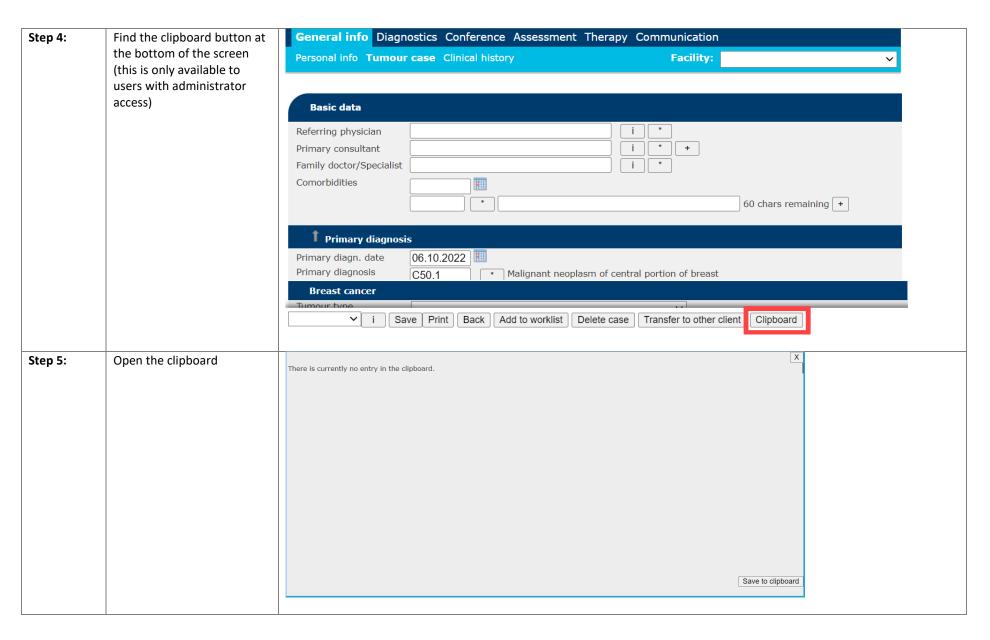


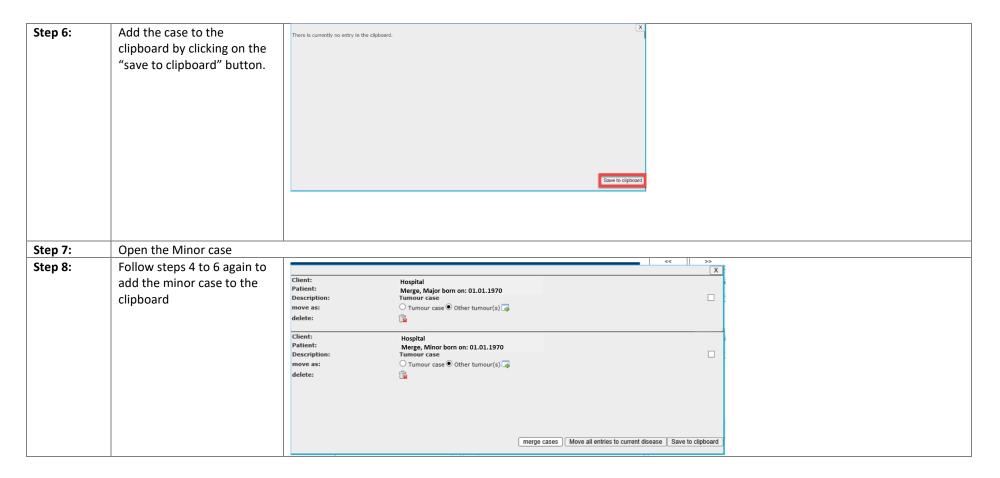
Figure 4: Worklist merge notification (in patient's tumour case banner)

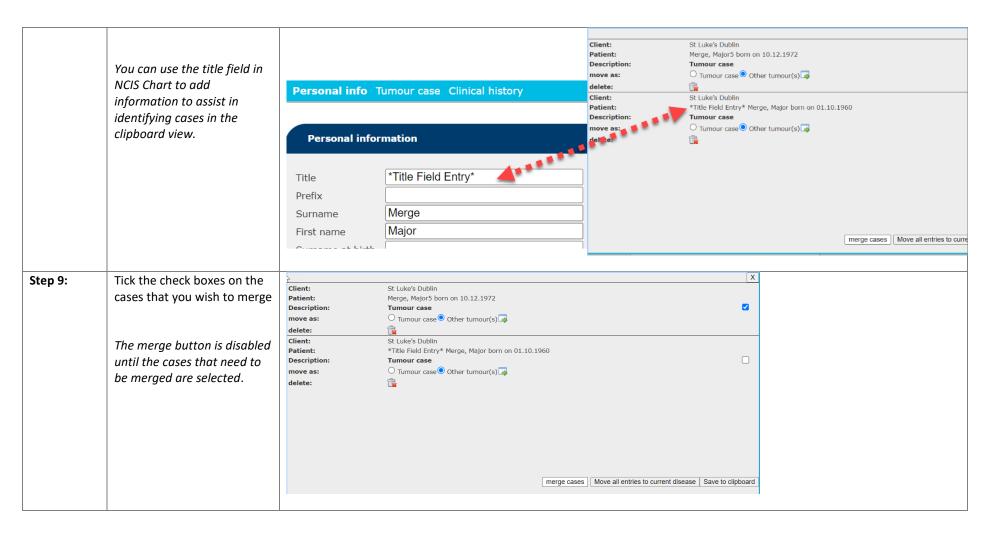
Process for an NCIS Chart Merge

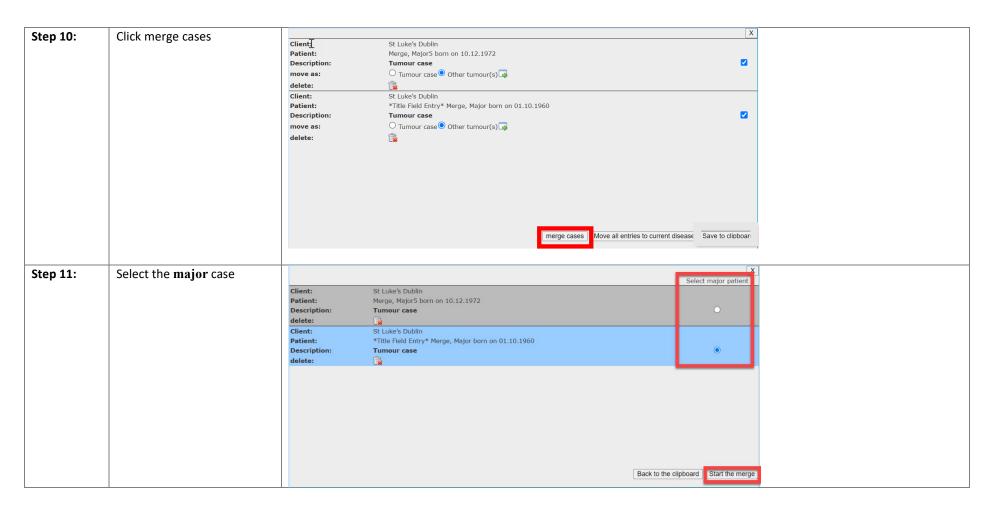
Where there are two or more cases for the same patient in NCIS, the clipboard can be used to merge the cases together in NCIS Chart. The Clipboard is visible to Local Administrator users. Please note: the clipboard should only be used from the patient's tumour case screen.

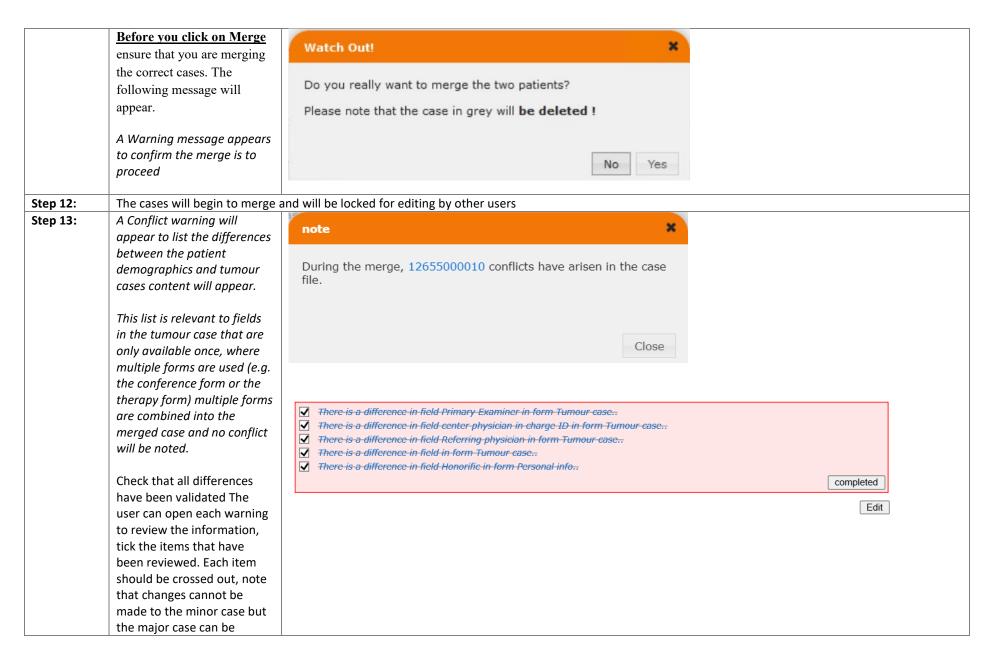












Date: 23/02/2023 Review Date: 23/02/2025

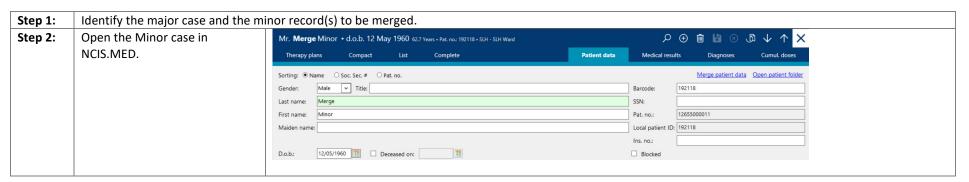
	modified where a change is				
	required.				
	Note: a user should not click close or leave the case view until the merge is complete. This will interrupt the merge.				
Step 14:	Complete the merge by clicking o	on completed			
_	ty in form Personal info				
	r address in form Personal info				
	nt is captured multiple times with	h the same date.			
			completed		

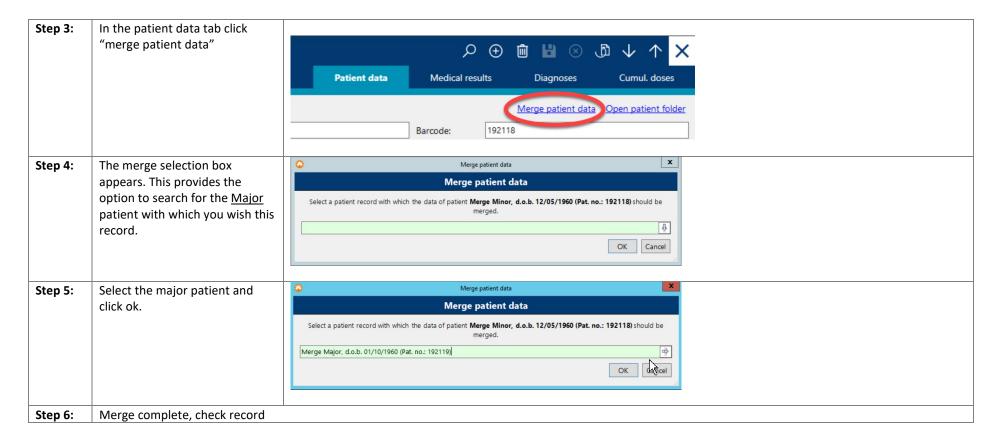
Checks:

- After the merge in NCIS.Chart is completed, search for the patient and ensure there is only one linked entry.
- > If the patient has more than 2 entries to begin with you will need to repeat the process as only 2 records can be merged at a time.
- > Check NCIS Med to ensure there are no duplicates in this section

NCIS MED Merge

If the two records being merged in NCIS chart have each got a counterpart record in NCIS MED the merge in NCIS.Chart should be replicated in NCIS.Med. However it is possible to complete a merge in NCIS.Med also. This functionality is available to Local Administrator users. **Please note: the merge option in NCIS.MED should only be used when the user is not in patient context.**





Trouble shooting merges:

Scenario 1:	Scenario 2:		
Patient has two or more records on NCIS. Record One has a Local ID and an NCIS ID (this is often not the preferred local ID) Additional Record(s) has NCIS ID only.	Patient has two or more records on NCIS Both records have the same local ID.		
More than one record for the patient on PAS, Demographic information changed after an entry has been created on NCIS – This causes an unlinking and an additional record for the patient with an NCIS ID but no Local ID. (If the patient has only one entry on PAS it is likely that there has been a change to the demographic information and the unlinked records can then be resolved on NCIS using HIS Match and then merged to tidy up the additional cases)	Patient has had a new case created instead of an existing case opened. This can sometimes occur if the user double clicks at the point of creating the first case.		
CHECK - That this is the same patient by checking the date of birth, name and address.	- Demographic Information for any discrepancy. - PAS to ensure there is only one patient		