

## DOUBLE DATA ENTRY IN MARVIN – OVERVIEW

While the eClinical market is focussing more and more on EDC, there are several common scenarios for DDE and especially hybrid studies where the tight integration MARVIN provides between EDC and DDE exhibits notable advantages.

MARVIN includes Double Data Entry capabilities, including free text entries, comments, review process, query and memo workflow, etc.

Patient ID in Hospital: ADM1002 | Initials: - New event: + Follow-Up Visit Add

**Baseline Visit**

Baseline Visit	Demographics
Base data	Initials ? * BC BC BC
Inclusion criteria	Date of birth * 9/1/1977 1/9/1977 m/d/yy
Exclusion criteria	Patient at least 18 years old * Yes Yes Yes
Patient Mgmt.	Gender * Male Male Male Female
Verification	Next Exit Delete Event

*Data Entry discrepancy resolution during review*

Patient ID in Hospital: GHD2002 | Initials: - New event: + Follow-Up Visit Add

**Baseline Visit**

Patient	Verification												
Patient Mgmt.	Name State State icon												
Verification	<table border="1"> <thead> <tr> <th>Baseline Visit</th> <th>State</th> <th>State icon</th> </tr> </thead> <tbody> <tr> <td>Base data</td> <td>Version 1 ≠ Version 2: Differences found.</td> <td>!</td> </tr> <tr> <td>Inclusion criteria</td> <td>Verified</td> <td>✓</td> </tr> <tr> <td>Exclusion criteria</td> <td>Version 1 ≠ Version 2: Differences found.</td> <td>!</td> </tr> </tbody> </table>	Baseline Visit	State	State icon	Base data	Version 1 ≠ Version 2: Differences found.	!	Inclusion criteria	Verified	✓	Exclusion criteria	Version 1 ≠ Version 2: Differences found.	!
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Base data	Version 1 ≠ Version 2: Differences found.	!											
Inclusion criteria	Verified	✓											
Exclusion criteria	Version 1 ≠ Version 2: Differences found.	!											
	Verify selected Select all verifiable												

*Batch verification process*

## DDE – GENERAL CHARACTERISTICS

- Blind DDE  
Two different users enter data from paper into electronic form independent of one another; neither can see what the other has entered or if there are any discrepancies.
- Dedicated review process  
A third person starts a 'discrepancy resolution' step in which the system identifies the differences between both versions and presents them to the user to be resolved.
- Each item allows predefined formats, free text and investigator comments.
- Automated selection of matching forms, batch verification.
- Attachable “memos” for internal notes and workflow support.
- Automated and manual query workflow, which allows multiple queries per item.
- Enhanced query printing capabilities.
- Full DDE Audit Trail.
- Hybrid use of EDC and DDE is possible – even for one single patient (e.g. when a site switches from DDE to EDC).

Audit Trail: Date of birth						
Date/Time	DDE Type	Value	Reason for Change	User	Query Nr.	Signatures
						Level / User / Date and Time
9/25/2007 8:44 AM (+0200 UTC)	Version 1 - Original	[No value]		Data Entry 1		
9/25/2007 8:44 AM (+0200 UTC)	Version 1 - Text	Dec 1967		Data Entry 1		
9/25/2007 8:44 AM (+0200 UTC)	Version 1 - Comment	[No value]		Data Entry 1		
9/25/2007 8:46 AM (+0200 UTC)	- Original	12/1/1967		Data Entry 2		
9/25/2007 8:47 AM (+0200 UTC)		12/1/1967	Verified	Reviewer 1		

Close window

*Full Audit Trail for DDE process*