
Question

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Using Lookup or Exists on Repeating Fields in Ensemble Business rule

I have a project to only filter certain pathology results into a downstream system.

Within a HL7 router and business I was planning on using a lookup table and either the exists() or Lookup(), but am having issues when using it with repeating fields or segments.

For example if I perform the analysis per stated segment using {} brackets this will work, as each stated repeat is assessed:

```
(HL7.{PIDgrpgrp(1).PIDgrp.PID:PatientIdentifierList(1).ID} DoesNotStartWith "ICE")&&((Lookup("Sunquest.Lorenzo.OBR4Whitelist",HL7.{PIDgrpgrp(1).ORCgrp(1).OBR:UniversalServiceIdentifier.identifierST},,)= "1")||(Lookup("Sunquest.Lorenzo.OBR4Whitelist",HL7.{PIDgrpgrp(1).ORCgrp(2).OBR:UniversalServiceIdentifier.identifierST},,)= "1")||(Lookup("Sunquest.Lorenzo.OBR4Whitelist",HL7.{PIDgrpgrp(1).ORCgrp(3).OBR:UniversalServiceIdentifier.identifierST},,)= "1"))
```

However if I try to use () I do not get very far as the second part of this rule does not evaluate as true:

```
(HL7.{PIDgrpgrp(1).PIDgrp.PID:PatientIdentifierList(1).ID} DoesNotStartWith "ICE")&&(Lookup("Sunquest.Lorenzo.OBR4Whitelist",HL7.(PIDgrpgrp(1).ORCgrp().OBR:UniversalServiceIdentifier.identifierST},,)= "1"))
```

I've seen in another post ([Link](#)) that the repeating fields cannot be handled out of the box with these functions.

If this is the case I guess the next step is to write my own utility function to handle these.

Any advice would be appreciated.

Regards

Stuart

[#Business Rules](#) [#HL7](#) [#Ensemble](#)

Source

URL: <https://community.intersystems.com/post/using-lookup-or-exists-repeating-fields-ensemble-business-rule>