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Question

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## How to Count the Number of OBX groups in a message using objectscript alone

Dear All,

I am currently working on a project to record ORU^R01 into a global for a particular set of tests.

I have multiple OBX repeats that need to go into a specific fields withing one row/ record on the global.

I am having trouble finding a way to either count or loop though the OBX's correctly in ObjectScript often with the counter being undefined.

I have done this this way, as I am building upon an existing class to populate this global.

The latest iteration of my obx looping code is below:

```
// handle repeating obx's by setting count of value
    set segcnt = pMsg.SegCountGet()
    ///count no of obx repeats
    for segmentIndex = 1:1:segcnt{
        IF pMsg.FindSegment("OBX",segmentIndex,.sc)='',"$$$ISOK(sc) {
            set obxcnt = obxcnt+1}
    }

    for obxIndex=1:1:obxcnt {
        // Check for OBX-3.1 = "CodeA" f
        IF GetValueAt("OBX("_obxIndex_"):3.1") = "SARS" {
            set CovRes.Ward = "CodeA"
            set tResultAB = $ZSTRIP(GetValueAt("OBX("_obxIndex_"):5(1))),
"<>W")

            IF tResultAB = "Positive" {
                set CovRes.TotalAbPositive = 1
            }
            elseif tResultAB = "Negative" {
                set CovRes.TotalAbPositive = 0
            }
        }
        // Check for OBX-3.1 = "CodeB"
        elseif GetValueAt("OBX("_obxIndex_"):3.1") = "CodeB" {
            set tResultAB = $ZSTRIP(GetValueAt("OBX("_obxIndex_"):5(1))),
"<>W")

            If tResultAB = "Positive" {
                set CovRes.IgGPositive = 1
            }
        }
    }
```

Please could someone assist.

Regards

Stuart

[#HL7](#) [#ObjectScript](#) [#Ensemble](#)

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Source

URL: <https://community.intersystems.com/post/how-count-number-obx-groups-message-using-objectsript-alone>